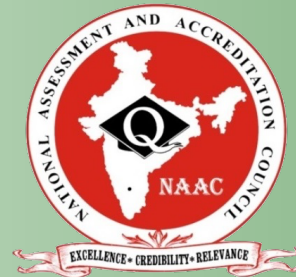




# North-Eastern Hill University

Self-Study Report 2015

National Assessment and Accreditation Council (NAAC)



**NAAC**

Self-Study Report  
2015



**North-Eastern Hill University**

Shillong - 793 022, Meghalaya  
INDIA



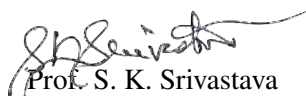
## Foreword



North-Eastern Hill University (NEHU), Shillong (Meghalaya) is submitting the Self Study Report for the Third Cycle towards the assessment and accreditation by the National Assessment and Accreditation Council (NAAC). North-Eastern Hill University was established in 1973 as the first Central University in the North-Eastern region of the country to disseminate and advance knowledge of the people for their intellectual, academic and cultural upliftment.

The Self Study Report (SSR) has been prepared by the Internal Quality Assurance Cell (IQAC), after collecting and compiling detailed inputs about various criteria, at the departmental and institutional level. In a span of over four decades of its existence, NEHU has been striving hard to achieve academic excellence in educational, social and cultural fields.

All the stakeholders have sincerely contributed to the preparation of this exhaustive report and I deeply appreciate their fruitful contributions.

  
Prof. S. K. Srivastava  
Vice - Chancellor





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# Acronyms

- AC Academic Council. 202, 235, 237  
ACM Association for Computing Machinery. 779  
ADA Aeronautic Development Agency. 53, 151, 777  
AICTE All India Council for Technical Education. 163, 786  
AIESEC Association International des Etudiants en Sciences Economiques et Commerciales. 183  
AMC Annual Maintenance Contract. 169  
AP Access Point. 156
- B.Tech. Bachelor of Technology. 28, 774, 794  
BARC Bhabha Atomic Research Centre. 52  
BCUD Board of College and University Development. 236  
BME Bio-Medical Engineering. 774  
BOM Board of Management. 232  
BOS Board of Studies. 20, 21, 235, 476  
BPS Board of Professional Studies. 235
- CAS Centre of Advanced Study. 72, 73, 577  
CBCS Choice Based Credit System. 23, 24, 30, 248, 357, 419, 499, 692, 701, 717, 794  
CDC College Development Council. 236  
CDD Campus Development Department. 199  
CFL Compact Fluorescent Light. 240, 245
- DAE Department of Atomic Energy. 74, 176, 668  
DBT Department of Biotechnology. 72, 160, 163, 176, 573, 576, 757, 758, 760  
DeitY Department of Electronics & Information Technology. 53, 58, 151, 549, 777, 780, 798  
DHCP Dynamic Host Configuration Protocol. 168, 242  
DHE Department of Higher Education. 231  
DNS Domain Name System. 168, 242  
DPE Department with Potential for Excellence. 72  
DRDO Defence Research Development Organisation. 76  
DST Department of Science and Technology. 72, 73, 176, 545, 583, 584, 757, 758  
DSW Dean of Students' Welfare. 43, 190, 191, 202, 231, 235
- EC Executive Council. 235  
ECE Electronics and Communication Engineering. xv, 52, 151, 186, 774, 777, 778, 780  
EE Electrical Engineering. 774

- ERP Enterprise Resource Planning. 168  
ETD Electronic Thesis and Dissertations. 166
- FIST Fund for Improvement of Science & Technology Infrastructure. 72, 73
- Gbps Giga bits per second. 157, 242  
GoI Government of India. 53, 151, 232, 582, 583, 780  
GPF General Provident Fund. 237
- HoD Head of Department. 247  
HP Hewlett-Packard. 242
- IAEA International Atomic Energy Agency. 52, 559  
IBM International Business Machines. 242  
ICSSR Indian Council of Social Science Research. 413  
ICT Information and Communications Technology. 165, 169, 242, 248, 345  
IEEE Institute of Electrical and Electronics Engineers. 58, 160, 779  
IEL IEEE/IET Electronic Library. 160  
IIITH International Institute of Information Technology, Hyderabad. 52, 151, 778  
IISc. Indian Institute of Science. 53, 151  
IIT Indian Institute of Technology. 52, 151, 778  
INDEST Indian National Digital Library in Engineering and Science and Technology. 163  
INFLIBNET Information and Library Network. 163, 166  
IP-PBX PBX with Internet Protocol. 242  
IQAC Internal Quality Assurance Cell. iii, 231, 234, 239, 243  
ISCA Indian Science Congress Association. 779  
ISR Institutional Social Responsibility. v, 143  
IT Information Technology. xv, 164, 186, 774, 794, 798, 800  
IUC Inter University Centres. 166
- JRF Junior Research Fellowship. x, 175, 178, 179, 196, 197
- KVPY Kishore Vaigyanik Protsahan Yojana. 176
- LAN Local Area Network. 161, 165, 783  
LDAP Lightweight Directory Access Protocol. 242  
LED Light Emitting Diode. 240  
LNCS Lecture Notes in Computer Science. 160
- M.Phil. Master of Philosophy. 28, 192, 193, 194, 197, 248  
M.Tech. Master of Technology. 28, 194, 774, 794  
MCIT Ministry of Communications & Information Technology. 53, 151  
MEMS Micro- ElectroMechanical Systems. 53, 71, 151, 777

- MHRD Ministry of Human Resource Development. 169, 231, 232  
MoU Memorandum of Understanding. 247, 248
- NAAC National Assessment and Accreditation Council. iii, 238  
NCC National Cadet Corps. 143  
NDVN NEHU Voice and Data Network. 12, 168, 242  
NEC North Eastern Council. 413, 490, 546  
NEHU North-Eastern Hill University. iii, 1, 5, 9, 23, 25, 37, 38, 52, 53, 151, 164, 166, 175, 178, 183, 185, 190, 199, 233, 234, 235, 236, 237, 238, 244, 245, 246, 247, 568  
NEHUAA North-Eastern Hill University Alumni Association. 189  
NEHUSU North-Eastern Hill University Students' Union. 197, 198, 202  
NEHUTA North-Eastern Hill University Teachers' Association. 231  
NEICoD North-East India Centre of Diversities. 241  
NEIGRIHMS North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences. 1, 52, 233, 417  
NER North-East Region. 167  
NERC North Eastern Regional Centre. 413  
NICfW National Integration Camp for Women. 200  
NIT National Institute of Technology. 52, 151  
NKN National Knowledge Network. 157, 162, 169, 170, 242, 762, 805  
NPD Nuclear Physics Division. 52  
NPMASS National Program on Micro and Smart Systems. 53, 58, 71, 151, 777, 778, 780, 798  
NSS National Service Scheme. 143, 145, 200, 243, 567
- OBC Other Backward Class. 178, 192, 193, 194  
OECD Organisation for Economic Cooperation and Development. 160  
OPAC On-line Public Access Catalogue. 159, 161, 162, 163, 164, 168
- P&S Purchase and Store. 170  
PG Post Graduate. 14, 163, 165, 192, 193, 194, 242, 249  
Ph.D. Doctor of Philosophy. 28, 160, 177, 192, 193, 194, 196, 197, 247, 248  
PRO Public Relation Officer. 235  
PVC Pro Vice-Chancellor. 157
- RCD Radio Chemistry Division. 52  
RFID Radio-Frequency IDentification. 159, 162, 164, 167  
RTI Right to Information Act. 235
- SAIF Sophisticated Analytical Instrument Facility. 12, 84  
SAP Special Assistance Programme. 72  
SC Schedule Caste. 175, 178, 192, 193, 194, 243, 417  
SSR Self Study Report. iii

ST	Schedule Tribe. 175, 178, 192, 193, 194, 243, 417
TT	Table Tennis. 156
UG	Under Graduate. 14, 41, 163, 165, 192, 193, 194, 242
UGC	University Grants Commission. 20, 42, 72, 73, 163, 166, 175, 236, 242, 248, 249, 546, 558, 577
UPE	University with Potential for Excellence. 162
UPS	Uninterrupted Power Supply. 163
USIC	University Science Instrumentation Centre. 84
VC	Vice-Chancellor. 157, 232
Wi-Fi	Wireless Fidelity. 84, 165, 169, 178, 242, 617, 783, 807
YRC	Youth Red Cross. 143



# Introduction

## A. INTRODUCING THE UNIVERSITY

The North-Eastern Hill University was established in 1973 by an Act of Parliament – to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the North- Eastern region, and in particular their intellectual, academic and cultural advancement. Since its foundation, the University has been striving to achieve this goal. The University has emerged as a premier institution in the North-East, drawing students and scholars from the entire region and beyond, including students from neighbouring countries. The faculty comprises teachers from the entire country.

The University has its headquarters and main campus located at Shillong with another campus at Tura both in the state of Meghalaya. Currently, the University is comprised of eight schools with forty four departments and two Centres of Study. Some of its departments are covered under SAP and Advanced Centre Schemes of the U.G.C. NEHU has 64 affiliated colleges including North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences (NEIGRIHMS) offering MBBS and MD/MS courses and some minority institutions at Surat and Guwahati.

The University has a University Science and Instrumentation Centre for maintenance of equipments and the Sophisticated Analytical Instrumentation Facility to augment instrumentation facility for scientific research. The Campus Development Department helps in planning of campus development, maintenance of infrastructure and construction of new buildings. The ICSSR-North Eastern Regional Centre has also shifted to NEHU campus.

The University has a SC/ST Cell, a Grievance Cell, a Hindi Cell, a Statistics Cell, Internal Quality Assurance Cell, a Women's Cell. A Data Voice Net-work is in place in the University campus. This enables faculty, scholars and students access internet as well as the UGC Infonet and Iflibnet. The university also runs a number of Central Services like Central Library, Health Centre, Students welfare cell and UGC-Human Development Centre, Bio Informatics Centre, Equal Opportunity cell, NSS Cell, Publication Unit, Sports Department and Career and Counselling Cell.

The University, departments and centres organize many national and International seminars, conferences and workshops every year. The faculty members and scholars participate in regional, national and international conferences. Publication of research conducted by the faculty continues to be an important part of the profession. A large number of NEHU students and scholars qualify for NET and JRF. Recognized as a University with Potential for



Excellence (2007-12), NEHU has set a benchmark in academic brilliance. The School-wise distribution of various academic departments and centres of studies are listed below:

**School of Economics, Management & Information Sciences**

- Department of Agribusiness and Food Technology (Tura)
- Department of Commerce
- Department of Economics
- Department of Journalism and Mass Communication
- Department of Library & Information Science
- Department of Management (Tura)
- Department of Tourism and Hotel Management

**School of Education**

- Centre for Distance Education
- Centre for Science Education
- Department of Adult and Continuing Education
- Department of Education
- Department of Education (Tura)

**Schools of Human and Environmental Sciences**

- Department of Anthropology
- Department of Environmental Studies
- Department of Geography
- Department of Horticulture (Tura)
- Department of Rural Development & Agricultural Production (Tura)

**School of Humanities**

- Department of English
- Department of English (Tura)
- Department of Garo
- Department of Hindi
- Department of Khasi
- Department of Linguistics
- Department of Philosophy

**School of Life Sciences**

- Department of Biochemistry
- Department of Biotechnology & Bioinformatics
- Department of Botany
- Department of Zoology

**School of Physical Sciences**

Department of Chemistry  
Department of Mathematics  
Department of Physics  
Department of Statistics

**School of Social Sciences**

Department of Cultural and Creative Studies  
Department of History  
Department of History and Archaeology (Tura)  
Department of Law  
Department of Political Science  
Department of Sociology

**School of Technology**

Department of Architecture  
Department of Basic Science & Social Sciences  
Department of Biomedical Engineering  
Department of Computer Applications  
Department of Electronics and Communication Engineering  
Department of Energy Engineering  
Department of Information Technology  
Department of Nanotechnology

**B. A PRELUDE TO SELF-STUDY REPORT FOR RE-ACCREDITATION:**

The University entrusted the responsibility to the IQAC of the NEHU to prepare the self-study report (SSR) of the university for the third cycle of NAAC accreditation. The IQAC in turn constituted the Steering Committee for this purpose. The members of the Steering Committee are as follows:

Prof. P. K. Gupta	Member
Prof. Streamlet Dkhar	Member
Prof. G. Bez	Member
Prof. A. K. Nongkynrih	Member
Prof. B. K. Tiwari	Member
Dr. H. Choudhary	Member
Dr. Kailash C. Kabra	Member
Dr. L. Joyprakash Singh	Member
Prof. N. Srivastav	Coordinator, IQAC





# 1. Profile of the University

## 1. Name and Address of the University:

<b>Name</b> :	North-Eastern Hill University(NEHU)				
<b>Address</b> :	Mawkynroh-Umshing				
<b>City</b> :	Shillong	<b>Pin</b> :	793 022	<b>State</b> :	Meghalaya
<b>Website</b> :	www.nehu.ac.in				

Table 1.1: Name and Address of the University

## 2. For Communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
<b>Vice-Chancellor</b>	Prof. S. K. Srivastava	O: 0364-2550101 R: 0364-2550074	8974010573	0364-2550076	vcnehu@nehu.ac.in
<b>Pro Vice-Chancellor</b>	Prof. G. Singaiah (In-Charge)	O: 0364-223107 R:	9485190779	0364-223953	gsingaiah@yahoo.co.in
<b>Registrar</b>	Dr. J. N. Nayak (In-Charge)	O:0364-2721012 R: 0364-2726054	9436101767	0364-2551634	regtroffice@nehu.ac.in
<b>Steering Committee/ IQAC Co-Ordinator</b>	Prof. N. Srivastav	O: 0364-2723176 R: 0364-2550087	9436117383		nirankarsrivastav@yahoo.com

Table 1.2: Contact Details

## 3. Status of the University:

State University	<input type="checkbox"/>
State Private University	<input type="checkbox"/>
<b>Central University</b>	<input checked="" type="checkbox"/>
University under Section 3 of UGC (Deemed University)	<input type="checkbox"/>
Institute of National Importance	<input type="checkbox"/>
Any other (please specify)	<input type="text"/>



4. Type of University:

Unitary

**Affiliating**

5. Source of funding:

**Central Government**

State Government

Self-financing

Any other (please specify)

6. a. Date of establishment of the University: 26/05/1973 (dd/mm/yyyy)

b. Prior to the establishment of the University, was it a/an

i. PG Centre Yes  No

ii. Affiliated College Yes  No

iii. Constituted College Yes  No

iv. Autonomous College Yes  No

v. Any other (please specify) Not applicable

If yes, give the date of establishment \_\_\_\_\_ (dd/mm/yyyy)

7. Date of recognition as a University by UGC or any other national agency:

Under Section	dd	mm	yyyy	Remarks
<b>i. 2f of UGC *</b>	19	07	1973	
<b>ii. 12B of UGC *</b>	19	07	1973	
<b>iii. 3 of UGC #</b>	19	07	1973	
<b>iv. Any other ^ (specify)</b>				

\* Enclose certificate of recognition.

# Enclose notification of MHRD and UGC for all courses/programmes/campus/campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

Table 1.3: Recognition as a University by UGC

8. Has the University been recognized

a. By UGC as a University with Potential for Excellence?

Yes  No

If yes, date of recognition : 01/04/2007 (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes  No

If yes, name of the agency \_\_\_\_\_ and  
date of recognition : \_\_\_\_\_ (dd/mm/yyyy)



9. Does the University have off-campus centres?

Yes  No

If yes, date of establishment : 23/02/1996 (dd/mm/yyyy)

date of recognition : (dd/mm/yyyy)

10. Does the University have off-shore campuses?

Yes  No

If yes, date of establishment : (dd/mm/yyyy)

date of recognition : (dd/mm/yyyy)

11. Location of the campus and area:

	Location †		Campus area in acres	Built up area in sq. mts.
	Name	Area		
<b>i. Main campus area</b>	Mawkynroh-Umshing, Shillong	Rural, Tribal, Hilly Area	1,025	2,15,451
<b>ii. Other campuses in the country</b>	Laitumkhrah, Shillong	Urban, Tribal, Hilly Area	578	4,008
	Chasingre, Tura	Rural, Tribal, Hilly Area	329	8,132
<b>iii. Campuses abroad</b>	-	-	-	-

† Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)

If the University has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

Table 1.4: Campus location and built-up area

12. Provide information on the following:

In case of multi-campus University, please provide campus-wise information.

Auditorium/seminar complex with infrastructural facilities:

Sl. No.	Name of the Building	Built-up Area in sq.m.	Seating Capacity
1	Multi-use Convention Hall *	1,250	1,500
2	Convocation Hall †	2,910	3,000
3	Science Seminar Hall ‡	-	140
4	Auditorium	714	-
5	Indoor Hall	792	-
6	Community Hall §	1296	700
7	Conference Room	-	140

\* Lounge, Toilet facility, AC, separate DG Set, expandable to increase seating capacity...

† Steel structure, a stage, power connection for each sub row,

‡ Echo proof, AC, toilets,...

§ Stage, toilets, changing rooms, badminton practice courts,...

Table 1.5: Auditorium/Seminar complex with infrastructural facilities of the University.

Sports facilities



✱ **Playground:**

- ✱ *Multi - Complex Football Ground [1 No.]:* The Multi-Complex Football Ground has 1 (one) standard football field with fencing, drainage and toilets. It has a part concrete gallery which can accommodate 1000 spectators. University is also planning to construct 2 (two) numbers of volleyball courts and 2 (two) numbers of crickets practice pitch, separate changing rooms inside the sports complex.
- ✱ *Standard Basketball Court [2+1 Nos.]:* The University has 2 (two) numbers of standard basketball courts with fencing adjacent to the community hall. There is a provision for separate toilets for both boys and girls, sitting arrangement for the spectators and podium for officials in the courts. Security lights have also been installed within the courts. The University also has another full size basketball court in front of Hostel No. 18 and 19.
- ✱ There are also provisions for sports facilities in the hostels. The under mentioned hostels has got the sports infrastructure facilities as per the space available:
  - a. Saramati Boys Hostel: Basketball Court and Volleyball Court,
  - b. Umiam, Syntuksiar and Pahsyntiew Girls Hostel: Volleyball and Badminton Court,
  - c. Kyllang Girls Hostel: Basketball and Badminton Court,
  - d. Sensiar and Balgito Girls Hostel: Basketball and Volleyball Court,
  - e. Chinlung Boys Hostel: Basketball Court,
  - f. Jafu Boys Hostel: Volleyball Court,
  - g. Kupli and nearby other Boys Hostel: Basketball Court,
  - h. Persara Girls Hostel: Badminton Court.
  - i. Nohsngthiang Girls Hostel: Basketball and Badminton Court.

There are also provisions for indoor exercise in maximum number of hostels. In this regard, the University has installed some gym/sport equipments in different hostels.

✱ **Swimming pool: Nil**

- ✱ *Gymnasium/ Fitness Center:* The University has 2 (two) numbers of gymnasiums below health centre fully equipped with modern gym equipments separately for boys and girls. The gymnasium has separate toilets and bathrooms for boys and girls. Provision for music and drinking water is also available in the gymnasium. A gym trainer is also attached to look after the gym activities along with security personnel.

✱ **Any other (please specify)**

- ✱ *Indoor Stadium:* The Indoor Stadium has got 3(three) Badminton courts and provision for playing of Table Tennis. The stadium has been fully equipped with modern lighting and has separate bath rooms and changing rooms for both boys and girls. Geysers, aqua-guard and lockers have been installed for the



users.

- \* Presently most of the sports activities are looking after by the University Sports Department. The Sports Department of the University has 3 (three) numbers of coaches for Cricket, Football and Basketball. The department is organising Inter College Tournaments in several discipline and also organising coaching camps. After due process of selection procedure, the university is also took part in the Inter University Tournaments in several disciplines for the last many years.

□ Hostel (during 2014-15)

\* Boy's hostel

- \* Number of hostels : 12
- \* Number of inmates : 1034
- \* Facilities : *Kitchen, dining hall, TV/Reading room and creative/sports room*

\* Girl's hostel

- \* Number of hostels : 10
- \* Number of inmates : 818
- \* Facilities : *Kitchen, dining hall, TV/Reading room and creative/sports room*

\* International hostel

- \* Number of hostels : *4 (Four) Blocks - 24 Units*
- \* Number of inmates : 18
- \* Facilities : *Each of the block has a parking for 2 (two) wheelers, visitor's lounge, and common washing room.*

\* Working women's hostel *Nil*

- \* Number of hostels : -
- \* Number of inmates : -
- \* Facilities : -

□ Residential facilities for faculty and non-teaching

The NEHU has residential facility for faculty and Non- teaching staffs comprising 274 units.

For teaching faculty

Type - L	Type - M	Type - P
74	6	58



For non-teaching faculty

Type - I	Type - II	Type - III	Type - IV	Type - V	Type - VI	Bungalow
25	38	45	16	8	3	1

❑ Cafeteria

The University has 6 (six) main canteens in main campus

Types of Canteen	No. of Canteens	Area(sq.mtr.)	Total built-up area(sq.mtr.)
Silver Jubilee Canteen	1	125	125
Indoor Canteen	2	21	42
Outdoor Canteen	3	337	1011

Over and above these main canteens, there are other coffee shop/food outlet facilities in as many as 10/15 different locations in the main campus.

❑ Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc.

The University has two health centres; one located in the Main Campus, Mawkynroh-Umshing and another in Chasingre Campus. The health centres provide free medical care and medicines to the teaching and administrative staff as well as to the students of the University. Timings of the health care facilities:

Working days - 9:30 A.M. to 5:30 P.M.

Holidays - 9:30 A.M. to 12:30 P.M.

Number of staffs at present in the main campus are as follows: 3 doctors (out of which, 2 are resident), 1 physicist, 3 nurses (out of which 2 are on contract and one regular resident nurse), 2 pharmacists, 1 laboratory technician, and 1 laboratory attendant. Besides these, the University has other supporting staffs in the health centre. The laboratory in the health centre has the facility to perform various biochemical tests.

❑ Facilities like banking, post office, book shops, etc.

There are one branch of State Bank of India, and one post office manned by ladies only.

❑ Transport facilities to cater to the needs of the students and staff

The University has its own transport system. There are 24 (18+6) buses of 52 seating capacity operating from the Campus to different points in the city/town at regular intervals. Most of the administrative staff and the teachers residing in the town (off-campus) commute from their residence to the University and back mostly by the transport provided by the University. The Campus dwellers often visit the town and may use the University transport system. There are 62 shuttle services per day on normal working days starting from 6:30am to 7:30pm. Students of NEHU can avail themselves of transport facility by obtaining monthly Bus pass on payment of a nominal fee as decided by the Transport department from time to time. Besides buses, the University also has 3 (1+2) water tankers, 2 (1+1) mini trucks and 22 (21 in pool and 1 attached to the Vice Chancellor's office) light vehicles.

❑ Facilities for persons with disabilities



At the moment, there is only one facility for persons with disability at the University library. However, there is proposal for more such facilities at different Schools of the University.

Animal house

An animal house of two storied building built on an overall area of 451 sq.mtr. having 16 rooms (10x12 sq.m.) which are shared by four departments namely Life Sciences, Zoology, Bio-Technology and Bio-Informatics, and Environmental Sciences.

Incinerator for laboratories : *Nil*

Power house

The University has 3 main primary transformers, 18 distribution transformers and 23 DG Sets at different locations of in its main campus. List of Electric Transformers in the main campus are as follows:

Sl. No.	Sub-station number/Place of installation	Capacity
<b>Primary Transformers</b>		
1	Sub-station No. 1 : 3 MVA, 33KV/11 KV/ Primary 1	3000 KVA
2	Sub-station No. 1 : 3 MVA, 33KV/11 KV/ Primary 2	3000 KVA
3	Sub-station No. 1 : 1 MVA, 33KV/11 KV/ Primary 3	1000 KVA
<i>Total Primary Transformers' Capacity</i>		4,000 - 6,000 kVA
<b>Distribution Transformers</b>		
4	Sub-station No. 1 : 500 KVA, 11KV/433 V/ Distribution Area : NTS quarters	500 KVA
5	Sub-station No. 2 : 630 KVA, 11KV/433 V/ Distribution Area : VIP, P-type & L-type quarters, Pump houses	630 KVA
6	Sub-station No. 3 : 630 KVA, 11KV/433 V/ Distribution Area : Chemistry, Growth Room, CDD, L-type quarters, Pump houses, Indoor Stadium etc	630 KVA
7	Sub-station No. 4 : 400 KVA, 11KV/433 V/ Distribution Area : Girls Hostels, Ruab quarters, Health Centre	400 KVA
8	Sub-station No. 5 : 500 KVA, 11KV/433 V/ Distribution Area : Old Guest House, International Hostel	500 KVA
9	Sub-station No. 6 : 500 KVA, 11KV/433 V/ Distribution Area : Girls and Boys Hostels, Warden quarters	500 KVA
10	Sub-station No. 7 : 500 KVA, 11KV/433 V/ Distribution Area : Central School, quarters, pump houses	500 KVA
11	Sub-station No. 8 : 630 KVA, 11KV/433 V/ Distribution Area : NTS quarters, pump houses	630 KVA
12	Sub-station No.9: 500 KVA, 11KV/433 V/Distribution 1 Area : School of Life Sciences	500 KVA
13	Sub-station No.9: 500 KVA, 11KV/433 V/Distribution 2 Area : School of Life Sciences	500 KVA
14	Sub-station No.10: 630 KVA, 11KV/433 V/Distribution Area : School of Social Sciences, Multiuse Convention Hall, Pump houses	630 KVA
15	Sub-station No.11: 500 KVA, 11KV/433 V/Distribution Area : Administrative and Exam departments.	500 KVA





Sl. No.	Sub-station number/Place of installation	Capacity
16	Sub-station No.12: 500 KVA, 11KV/433 V/Distribution Area : Central Library, Computer centre, Cluster of Class Rooms	500 KVA
17	Sub-station No.14: 1 MVA, 11KV/433 V/Distribution 1 Area : School of Technology, Department of Law, Bamboo Huts, Con- vocation Hall,	1000 KVA
18	Sub-station No.14: 1 MVA, 11KV/433 V/Distribution 2 Area : Boys Hostels, Warden residences, New Guest House, NEICOD, Butterfly Park etc.	1000 KVA
<i>Total Distribution Transformers' Capacity</i>		8,920 kVA

**Table 1.6:** List of Electric Transformers in the main campus

List of Diesel Generator Sets installed in the main campus are as follows:

Sl. No.	Department/Places of DG Set installed	Capacity
1	Sophisticated Analytical Instrument Facility (SAIF)	45 kVA
2	The University Library Digitization	15 kVA
3	The University Library UPS System	35 kVA
4	Bio-Chemistry	30 kVA
5	Botany CAS	30 kVA
6	Zoology	45 kVA
7	NEHU Voice and Data Network (NDVN)	25 kVA
8	Biotechnology and Bioinformatics, SLS	63 kVA
9	Environmental Studies	62.5 kVA
10	Chemistry	63 kVA
11	Mathematics	20 kVA and 30 kVA
12	Physics Department	63 kVA
13	Examination Department	82.5 kVA
14	New Guest House	82.5 kVA
15	Computer Centre	82.5 kVA
16	Sub-station 3A/Chemistry/Growth Room	125 kVA
17	Sub-station 5/Old Guest House	75 kVA
18	Sub-station 9/School of Life Sciences	250 kVA
19	Sub-station 10/School of Social Science	125 kVA
20	Sub-station 11/Administrative Building	125 kVA
21	Sub-station 12/The University Library	125 kVA
22	Sub-station 14/SOT/Law Department	250 kVA
<i>Total Installed Generator Capacity</i>		1,849 kVA

**Table 1.7:** List of Diesel Generator Set in the main campus

❑ Waste management facility : Nil

13. Number of institutions affiliated to the University:

Sl. No.	Type of colleges	Total	Permanent	Temporary
1	Arts, Science and Commerce	9	9	-
2	Law	3	1	2
3	Medicine	1	-	1





Sl. No.	Type of colleges	Total	Permanent	Temporary
4	Engineering	1	-	1
5	Education	5	3	2
6	Management	2	-	2
7	<b>Others (specify and provide details)</b>			
	(a) Arts & Science	2	2	-
	(b) Arts & Commerce	5	4	1
	(c) Commerce	1	1	-
	(d) Science	2	-	2
	(e) Arts	33	12	21
	(f) Nursing	1	-	1

Table 1.8: Number of institution affiliated to the University

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes No Number 

15. Furnish the following information:

Table 1.9: Number of students of the University and its constituent/affiliated colleges

Sl. No.	Particulars	Number	Number of Students
a.	<b>University Departments</b>	44	5289
	<b>Undergraduate</b>	5	1432
	<b>Post Undergraduate</b>	43	2412
	<b>Research centres on the campus</b>	01	-
b.	<b>Constituent colleges</b>	-	-
c.	<b>Affiliated colleges<sup>1</sup> *</b>	65	57,139
d.	<b>Colleges under 2(f)</b>	07	
e.	<b>Colleges under 2(f) and 12B</b>	30	
f.	<b>NAAC accredited colleges<sup>2</sup> **</b>	12	
g.	<b>Colleges with Potential for Excellence (UGC)</b>	01	
h.	<b>Autonomous colleges</b>	-	
i.	<b>Colleges with Postgraduate Departments</b>	04	
j.	<b>Colleges with Research Departments</b>	-	
k.	<b>University Recognized Research Institute/Centres</b>	-	

\* University is considering 4 Colleges for de-affiliation.

\*\*Colleges to be accredited by NAAC in 2016 - 3.

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes  No 

If the University uses any other nomenclatures, please specify.

-----  
*No, the University does not use any other nomenclature.*  
-----

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)



Sl. No.	Particulars	Number
1	Under Graduate (UG)	5
2	Post Graduate (PG)	43
3	Integrated Masters	-
4	M.Phil.	6
5	Integrated Ph.D.	-
6	Certificate	2
7	Diploma	-
8	PG Diploma	3
9	Any other (please specify)	-
<b>Total</b>		<b>59</b>

Table 1.10: Academic programmes offered by the university departments at present

18. Number of working days during the last academic year.

19. Number of teaching days during the past four academic years.

(‘Teaching days’ means days on which classes were engaged. Examination days are not to be included)

20. Does the University have a Department of Teacher Education?

Yes  No

If yes,

a. Year of establishment : \_\_\_\_\_ (dd/mm/yyyy)

b. NCTE recognition details (if applicable) Notification

No. : \_\_\_\_\_

Date : \_\_\_\_\_ (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes  No

21. Does the University have a teaching department of Physical Education?

Yes  No

If yes,

a. Year of establishment : \_\_\_\_\_ (dd/mm/yyyy)

b. NCTE recognition details (if applicable) Notification

No. : \_\_\_\_\_

Date : \_\_\_\_\_ (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes  No

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered? (Not applicable)

Yes  No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.



23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. Yes  No

24. Number of positions in the University :

Table 1.11: Number of positions in the University

Positions	Teaching faculty			Non-teaching staff†	Technical staff†
	Professor	Associate Professor	Assistant Professor		
Sanction by the UGC/ University/State Government	93	148	205	44	23
<i>Recruited</i>	59	95	189	33	22
<i>Yet to recruit</i>	34	53	16	11	01
Number of persons working on contract basis			42‡		

† Group – A Staff

‡ Guest Lecturer

25. Qualifications of the teaching staff :

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<i>Permanent teachers</i>							
D.Sc./D.Litt.	1	-	-	-	-	-	1
Ph.D.	93	25	54	20	62	27	281
M.Phil.	-	-	1	1	5	6	13
P.G.	-	-	2	1	42	19	64
B.E.	-	-	-	-	1	-	1
<i>Temporary teachers</i>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
P.G.	-	-	-	-	-	-	-
<i>Part-time teachers</i>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
P.G.	-	-	-	-	-	-	-

Table 1.12: Qualifications of the teaching staff.

26. Emeritus, Adjunct and Visiting Professors:

	Emeritus	Adjunct	Visiting
Number	-	-	52

27. Chairs instituted by the university:

	Chairs
School/Department	-

The University has no Chairs in operation since 2009. However, a Chair for Tribal Studies is in the process of being established.



28. Students enrolled in the university departments during the current academic year, with the following details :

Table 1.13: Students enrolled in the University for 2014-15

Students	UG	PG	Inte- grated Masters	MPhil	PhD	Inte- grated Ph.D.	D.Litt./ D.Sc.	Certifi- cate	Diploma	PG Diploma
	M/F *	M/F *	M/F *	M/F *	M/F *	M/F *	M/F *	M/F *	M/F *	M/F *
<b>From the State where the University is located</b>	364/ 273	572/ 1086	-/ -	26/ 31	258/ 280	-/ -	-/ -	43/ 52	-/ -	7/ 13
<b>From other states of India</b>	477/ 318	292/ 457	-/ -	5/ 12	108/ 88	-/ -	-/ -	298/ 128	-/ -	36/ 53
<b>NRI students</b>	-/ -	-/ -	-/ -	-/ -	-/ -	-/ -	-/ -	-/ -	-/ -	-/ -
<b>Foreign students</b>	-/ -	5/ 0	-/ -	-/ -	7/ 2	-/ -	-/ -	-/ -	-/ -	-/ -
<b>Total</b>	<b>841/ 591</b>	<b>869/ 1543</b>	<b>-/ -</b>	<b>31/ 43</b>	<b>373/ 370</b>	<b>-/ -</b>	<b>-/ -</b>	<b>341/ 180</b>	<b>-/ -</b>	<b>43/ 64</b>

\* Male/Female

29. 'Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component = ₹ 2.93/- Lakhs

(b) Excluding the salary component = ₹ 0.48/- Lakhs

30. Academic Staff College (ASC)

Year of establishment \_\_\_\_\_ 12/10/2006 \_\_\_\_\_ (dd/mm/yyyy)

Number of programmes conducted (with duration)

Year	UGC Orientation (4 Weeks)	UGC Refresher (3 Weeks)	University's own programmes (3 Weeks)
2009-10	3	13	-
2010-11	5	13	-
2011-12	5	16	-
2012-13	4	11	1
2013-14	5	10	-
2014-15	4	6	1

Table 1.14: Number of programmes conducted by ASC during 2009 - 15.



31. Does the university offer Distance Education Programmes (DEP)?

Yes  No

If yes, indicate the number of programmes offered.

The University offers Distance Education Programmes through its Centre for Distance Education. The following programmes are offered by the centre:

- i. B. Ed. (Special)
  - ii. Post Graduate Professional Diploma in Special Education
  - iii. Foundation Course of Education on Children with Disabilities (Certificate Courses)
- Are they recognized by the Distance Education Council? **Yes.**

32. Does the university have a provision for external registration of students?

Yes  No

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation : Cycle 1  Cycle 2  Cycle 3  Cycle 4

Re-Assessment :

34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: 00 / 00 / 2001 , Accreditation outcome/Result Four Star

Cycle 2: 30/09/2009 , Accreditation outcome/Result A Grade, 3.03/4.0 Point Scale

Cycle 3: \_\_\_\_\_ (dd/mm/yyyy), Accreditation outcome/Result \_\_\_\_\_

Cycle 4: \_\_\_\_\_ (dd/mm/yyyy), Accreditation outcome/Result \_\_\_\_\_ \*

Kindly enclose copy of accreditation certificate(s) and peer team report(s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university. **No.**

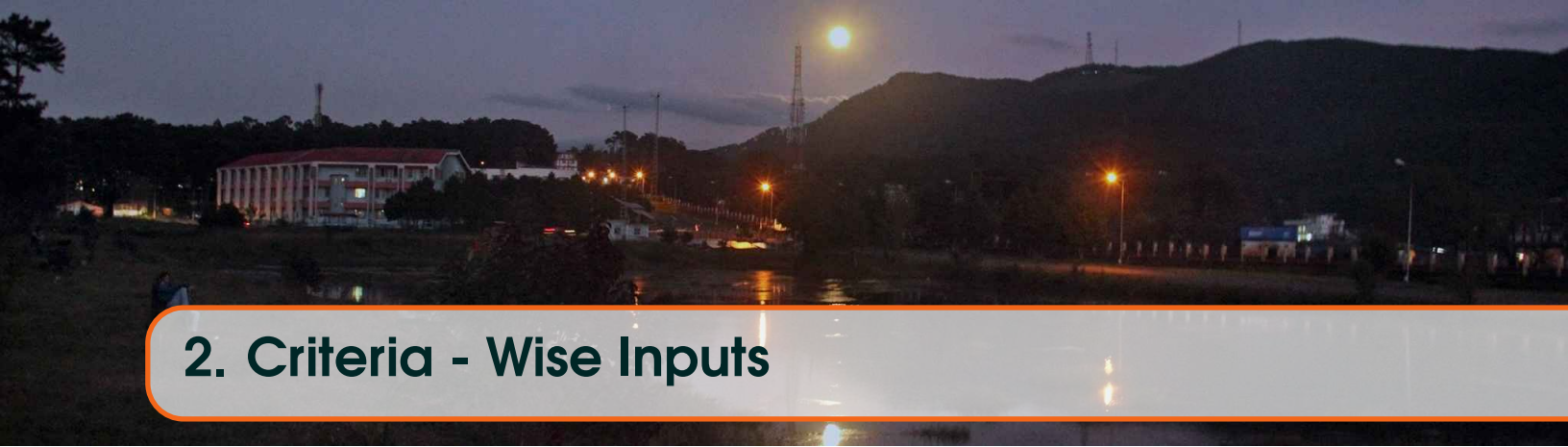
36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

		December 02, 2004	
IQAC			
AQAR	(i)	2009 - 10	01/09/2014 (dd/mm/yyyy)
	(ii)	2010 - 11	01/09/2014 (dd/mm/yyyy)
	(iii)	2011 - 12	01/09/2014 (dd/mm/yyyy)
	(iv)	2012 - 13	01/09/2014 (dd/mm/yyyy)
	(v)	2013 - 14	18/04/2015 (dd/mm/yyyy)

37. Any other relevant data, the university would like to include (not exceeding one page).

No.





## 2. Criteria - Wise Inputs

### CRITERION I : CURRICULAR ASPECTS

#### 1.1 Curriculum Design and Development

##### 1.1.1 *How is the institutional vision and mission reflected in the academic programs of the university?*

The North-Eastern Hill University was established in 1973 by an Act of Parliament. The object of the university as enshrined in the Act is “to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the North-Eastern region, and in particular their intellectual, academic and cultural advancement”. The University Departments and Centres of Studies are pursuing teaching, research and extension works to achieve these objects. Fifty percent of seats in all courses offered by the University are reserved for the students belonging to scheduled tribes and scheduled castes. The courses at under graduate, post graduate and research levels have their thrust areas broadly in consonance with the institutional goals and the syllabi of most courses have a component relating to the people and resources of the hill areas of north eastern region of India. Tribal students of this region generally need extra attention in the areas of science and mathematics. The university has a Centre for Science Education which takes care of this unique requirement of the region. The Khasi, Garo and Linguistics departments are working for advancement of regional tribal languages. Most social science departments teach courses that include a component on the socio-economic, cultural and environmental issues of the region. A huge data and new knowledge has been created by the faculty and students of NEHU which is being used by the researchers, planners and administrators of the region. For example, the Department of History has published 36 volumes of proceedings of the conferences embodying the history of the people of North-East India, a unique repository of knowledge about the region. The theme of the research in most of the cases, conducted by the faculty are mostly related towards exploring the biological, material, social, economic and political resources of the region aimed to conserve and utilize the same for the welfare of the people of the region.



1.1.2 *Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).*

The university has well developed and working institutional mechanism for curriculum development. The curriculum is first developed by the faculty of the department and discussed in the faculty meetings where from it goes to the Board of Studies (BOS) which comprises of members from allied disciplines as well as external experts. The course approved by the BOS is placed to the Boards of respective Schools which again comprises of professors and heads of departments of the school and senior faculty representatives from cognate schools as well as external experts drawn from various universities of country.

The curricula approved by the School Board is placed in the Academic Council which has representation of all professors of the university, heads of departments, deans of schools, external experts, visitor's nominee, students representatives, college principals, and college teachers. The final approval of the courses is done after detailed deliberation in the Academic Council. Thus the university follows a systematic process in design and development of the curriculum.

1.1.3 *How are the following aspects ensured through curriculum design and development?*

- \* *Employability : Curriculum is designed to keep in mind the demand and requirements of local and global job markets in order to enhance the employability of the students. The syllabus of UGC, NET, SLET and other competitive examinations are also kept in mind at the time of revising the Curriculum.*
- \* *Innovation : Curriculum is designed on the basis of UGC model Curriculum which includes the innovative ways of learning and disseminating the up-to-date knowledge to the students.*
- \* *Research : Curriculum is revised at constant time interval so as to incorporate recent research outputs. Also, the introduction of the Ph.D. course work to impart the knowledge of research methodology, quantitative techniques and research literature review in the concerned subject.*

1.1.4 *To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?*

The faculty of the departments at the time of developing and/or restructuring the curricula consult the guidelines of the regulatory bodies viz., UGC, AICTE, NICTE, DBT, MCI, BCI, PCI and DEC. The model curriculum developed by the University Grants Commission (UGC) is also consulted for the purpose.





*1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefited through interactions with the stakeholders?*

One to one interaction with industry, research bodies and the civil society during curriculum revision process is not done. However, the faculty members interact with them in their individual capacity in various form and note their requirements which find a place in the curriculum.

*1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.*

The colleges affiliated to NEHU teach the courses approved by the University. For this purpose each subjects taught in the colleges have a BOS under the chairmanship of the Head of the Post Graduate Department in the subject. The BOS takes care that the programmes conform the guidelines of the regulatory bodies viz., UGC, AICTE, NICTE, DBT, MCI, BCI, PCI and DEC and also suitably incorporate the regional needs. The University has set forth a minimum requirement of infrastructure and other facility for affiliation and grant of permission for opening of new courses in colleges. The university keeps a close contact with the colleges affiliated to it through the institution of College Development Council which keeps a vigil on the maintenance of general standard of the academic programmes of the colleges. The university sends an inspection team to the college which verifies that the facilities mentioned in the application for grant of affiliation of new programme is in place before introduction of the new course/programme.

*1.1.7 Does the university encourage its colleges to provide additional skill oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).*

The university encourages its affiliated colleges to start additional skill oriented programmes and professional courses relevant to regional needs and in particular those not available in the region. For instance: St Anthony's College has introduced Computer Science, Mass Communication, Biotechnology, Pisciculture, Bachelor of Business Administration, and Bachelor of Music; St Edmund's College has introduced Electronics, Environmental Science, Bachelor of Social Work, Master of Social Work, Bachelor of Computer Application and B. Sc in Computer Science; St Mary's College has introduced Bachelor of Computer Application, B.Sc. in Clinical Nutrition and Dietetics. They have also introduced three months Certificate Course in the areas of Computer Awareness, Fundamentals of Mathematics, Certificate Course in Chemistry, Functional English and Career and Personality Development.



## 1.2 Academic Flexibility

### 1.2.1 Furnish the inventory for the following:

\* Programs Taught on Campus

<b>M.A.</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Adult and Continuing Education, Anthropology, Economics, English, Garo, Geography, Hindi, Journalism and Mass Communication, Khasi, Library and Information Science, Linguistics, Philosophy, Political Science, Sociology, Tourism and Hotel Management	- - Economics - - Geography, Hindi - Khasi - Linguistics - Political Science - -	Adult and Continuing Education, Anthropology, Economics, English, Garo, Geography, Hindi, Journalism and Mass Communication, Khasi, Library and Information Science, Linguistics, Philosophy, Political Science, Sociology, Tourism and Hotel Management
<b>M.Sc.</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Biochemistry, Biotechnology and Bioinformatics, Botany, Zoology, Chemistry, Environmental Science, Horticulture, Mathematics, Physics, Rural Development and Agriculture Production, Statistics	- - - - - - Mathematics - Rural Development and Agricultural Production, Statistics	Biochemistry, Biotechnology and Bioinformatics, Botany, Zoology, Chemistry, Environmental Science, Horticulture, Mathematics, Physics, Rural Development and Agriculture Production, Statistics
<b>M.Ed.</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Education	-	Education
<b>M.Com.</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Commerce	-	Commerce
<b>Post Graduate Diploma</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Geography (Geoinformatics)	-	-
<b>M.B.A.</b>	<b>M.Phil.</b>	<b>Ph.D</b>
Management	-	Management
<b>LLB/LLB Integrated</b>	<b>LLM</b>	<b>Ph.D</b>
Law	Law	Law
<b>B.Arch.</b>	<b>M.Arch.</b>	<b>Ph.D</b>
Architecture	-	-



B.C.A.	M.C.A.	Ph.D
-	Computer Application	-
B.Tech.	M.Tech.	Ph.D
Biomedical Engineering, Electronics and Comm. Engg.(ECE), Energy Engineering, Information Technology (IT) -	- ECE, - IT, Nanotechnology	Biomedical Engineering, ECE, Energy Engineering, IT, Nanotechnology

Table 2.1: Programs Taught in the Campus of the University

- \* Overseas programmes offered on campus **No.**
- \* Programmes available for colleges to choose from

1.2.2 Give details on the following provisions with reference to academic flexibility

- (a) Core / Elective options: *The University has Choice Based Credit System (CBCS). In this system each student has to take 60 credit compulsory (Core) course and 12 credit optional (open) course. Each department offers a set of open courses which any student of the university can opt.*
- (b) Enrichment courses: *Nil*
- (c) Courses offered in modular form: *Nil*
- (d) Credit accumulation and transfer facility: *Available*
- (e) Lateral and vertical mobility within and across programmes, courses and disciplines: *Not yet implemented*

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

The University has an Overseas Students' Admission Committee to facilitate the admission of international students. Every department has supernumerary seats for foreign students. 4-blocks (24-Units) of International Hostel with kitchen-bath, balcony, and visitors lounge facility are exclusively meant for accommodating the overseas students.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

No. Located in remote corner of country very few international students opt for NEHU. Courses developed targeting international students may not have takers. Anthropology, Environmental Science, Commerce and Library and information Science attracts foreign students for their Masters as well as Ph. D. programmes.



1.2.5 *Does the university facilitate dual degree & twinning programs? If yes, give details.*

No.

1.2.6 *Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?*

Yes. Post Graduate Diploma in Geoinformatics. The admission policy and teacher qualification is at par with the aided programmes. However, fee structure and salary of teachers is as per the ordinance OC – 14 On Certificate and PG Diploma Courses under Section 26(1) (b) of NEHU Act, 1973.

1.2.7 *Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.*

No.

1.2.8 *Has the university adopted the CBCS? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?*

Yes. CBCS has been introduced in all M.A. and M. Sc. Programmes. Colleges have just introduced Semester system this year. Once the semester system is implemented fully the CBCS system will be introduced in colleges as well.

1.2.9 *What percentage of programmes offered by the university follow:*

- \* Annual system: *Nil*
- \* Semester system: *100%*
- \* Trimester system: *Nil*

1.2.10 *How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.*

No formal interdisciplinary programme has been introduced by the university. However, with the introduction of CBCS a large number of students opt for courses of related departments and opt for interdisciplinary courses.



### 1.3 Curriculum Enrichment

1.3.1 *How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?*

Every three years.

1.3.2 *During the last four years, how many new programmes at UG and PG levels were introduced? Give details*

- \* Inter-disciplinary
- \* programmes in emerging areas

#### UG

- (a) Architecture
- (b) Biomedical Engineering
- (c) Energy Engineering

#### PG

- (a) Horticulture
- (b) Tourism and Hotel Management
- (c) Plant Molecular Biology (Botany)
- (d) History and Archaeology
- (e) MCA
- (f) Agri-Business Management and Food Technology
- (g) Journalism and Mass Communication
- (h) Service Management (MBA)
- (i) LLM
- (j) M. Tech.

1.3.3 *What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?*

The University has evolved the strategies for the revision of the existing programmes. The courses are revised every three years. The experiences of faculty and feedback from the students are taken into consideration while revising and redesigning the courses. The recent advances in the subject and topical requirements are incorporated at this time. Often new courses are introduced and obsolete ones are dropped at the time of revision. Thus while maintaining the core component of the subject recent advances in the field are introduced periodically. The revision of the syllabi is an ongoing process at NEHU. All the syllabi have been revised during past 3 years.



1.3.4 *What are the value-added courses offered by the university and how does the university ensure that all students have access to them?*

No such course has been offered in the university which can be accessed by all the students.

1.3.5 *Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?*

No

## 1.4 Feedback System

1.4.1 *Does the university have a formal mechanism to obtain feedback from Students regarding the curriculum and how is it made use of?*

The university has no formal mechanism to obtain feedback from students regarding curriculum. However, the students are member of Academic council where they participate in the process of approval of the course.

1.4.2 *Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.*

Yes, the university elicits opinion of national faculty on its curriculum at each stage of its development in the Board of Studies, in the School Board and finally in the Academic Council.

1.4.3 *Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.*

Faculty of Colleges are members of the Board of Studies, School Board and Academic Council where they fully participate and give their opinion on all the courses developed or revised.

1.4.4 *What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?*

Consultation with national faculty during the time of development and revision of curriculum and regular updating of the same are the measures that university undertakes for quality sustenance and enhancement as well as for ensuring effective development of the curricula.



*Any other information regarding Curricular Aspects which the university would like to include. No.*



## CRITERION II: TEACHING-LEARNING AND EVALUATION

### 2.1 Student Enrolment and Profile

2.1.1 *How does University ensure publicity and transparency in the admission process?*

- i To ensure publicity, the advertisement for admission is placed on the University website and the same is also published in the local and national daily newspapers.
- ii In order to ensure transparency Admission Test/ Interview are conducted by an Admission Committee which prepare the final list of the students for admission on the basis of their overall merit.

2.1.2 *Explain in detail the process of admission put in place by the University (e.g. (i) merit, (ii) Merit with entrance test, (iii) merit entrance test and interview, (iv) common entrance test conducted by state / National agencies (v) other criteria followed by the University (Place specify).*

- Admissions to M.A./M.Sc/M.com/M.Ed/M.Lib ISC/MCA are made on merit obtained on the basis of qualifying marks and / or entrance test followed by interview.
- Admission to Bachelor of Technology (B.Tech.)/B.Arch./MBA/Master of Technology (M.Tech.) are made on merit obtained on the basis of valid JEE (Main)/NATA/MAT/ GATE score.
- Admission to B.A.LL.B course is made on merit obtained on the basis of a written test.
- While preparing the merit list for admission due weightage is given for different categories (e.g. Physical Handicapped/Educational Backward & Outstanding sport person etc.) as per the different criteria laid down in the University Ordinance/Prospectus.
- Admission to Master of Philosophy (M.Phil.) and Doctor of Philosophy (Ph.D.) course are made on merit obtained on the basis of qualifying marks (40% weightage), entrance test (25% weightage), interview (25% weightage) and NET clearance (10% weightage).
- Foreign students seeking admission to various courses shall have to satisfy the minimum eligibility criteria for admission to various programmes of study of NEHU.

2.1.3 *Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.*

- As the affiliated colleges are administered by the state Government, the University as such is not directly involved in the process of admission. However, the University ensures that the affiliated colleges adhere to the admission process laid down in its ordinances and regulations.





- Students are generally admitted on the basis of merit in the qualifying examination. Some colleges conduct Entrance Test/ Interview also.

2.1.4 Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

- NEHU prospectus for Admission is reviewed and updated every year.
- The Admission Committee of the University reviews the admission process time to time and suggests revisions in the process which are ratified by statutory bodies.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

- \* SC/ST
- \* OBC
- \* Women
- \* Persons with varied disabilities
- \* Economically weaker sections
- \* Outstanding achievement in sports and other extracurricular activities
- There is a provision of reservation in admission for the SC/ST, physically challenged, educationally backward section and outstanding sports person under NEHU ordinance, the mention of which is made in NEHU admission prospectus for the general awareness.
- SC/ST candidates are also given 5% relaxation while determining the minimum eligibility criteria for getting admission to various courses in the University.
- Girl students are given equal opportunity in admission to various courses.
- Students who pass from NEHU are given an advantage of 10% marks while preparing the merit list.

2.1.6 Number of students admitted in university departments in the last four academic years:

Categories	Year 1		Year 2		Year 3		Year 4	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	129	68	84	54	150	184	106	42
ST	1358	2038	1302	2083	1298	1848	1204	1725
OBC	134	73	95	88	90	80	92	46
General	591	465	537	449	488	433	441	416
Others	-	-	-	-	-	-	-	-
Total	2212	2644	2018	2674	2026	2545	1843	2229
	4856		4692		4571		4072	

Table 2.2: Students enrolled in last four academic years



2.1.7 Has the University conducted any analysis of academic ratio for the various programmes of the University departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	780	489	1.6
PG	5079	1219	4.17
Integrated Masters	-	-	-
M.Phil.	156	18	8.67
Ph.D.	846	168	5.04
Integrated Ph.D.	-	-	-
Certificate	-	-	-
Diploma	-	-	-
PG Diploma	98	93	1.05
Short Term Course (FC.SEDE)	492	492	1.00

Table 2.3: Analysis of academic ratio for the various programmes

2.1.8 Were any programmes discontinued/ Staggered by the University in the last four years? If yes, please specify the reasons.

None

## 2.2 Catering to Student Diversity

2.2.1 Does University organize orientation/ induction programme for fresher. If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

University organizes Orientation/ Induction Programmes for fresher as given below in the Table 2.4.

Sl. No.	Type of Programme	Duration	Issues Covered	Experts Involved
1	Induction Programme as Freshers' Social (University Level)	One Day	<ul style="list-style-type: none"> <li>- Knowledge of CBCS,</li> <li>- University Rules &amp; Regulations about Right &amp; Duties etc.,</li> <li>- Career related Guidance &amp; Counseling.</li> </ul>	DSW Registrar Proctor
2	Orientation Programme (Departmental Level)	One Day	<ul style="list-style-type: none"> <li>- Information about Course Structure &amp; Continuous Evaluation,</li> <li>- Facilities Available,</li> <li>- Attendance &amp; Discipline.</li> </ul>	Head & Faculty



Sl. No.	Type of Programme	Duration	Issues Covered	Experts Involved
3	Library Orientation Programme (Department Wise)	One Day	<ul style="list-style-type: none"> <li>- Library Rules</li> <li>- Availability of Library Resources</li> <li>- Library Discipline</li> <li>- Usage of Digital Technology</li> </ul>	Librarian Assistant Librarian

Table 2.4: Details of orientation/induction programme for fresher

2.2.2 Does the University have a mechanism through which the differential requirements of the student population are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed.

- The requirements of students are identified on the basis of their profile by each department before the commencement of the classes.
- The key issues related to the differential requirements are then addressed during tutorial classes.

2.2.3 Does the University offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered department wise/ Faculty wise.

- Some departments offer Diploma / Certificate level courses as an alternative to add-on / bridge course
- Department of Geography offer Diploma in Geoinformatics, Department of Cultural & Creative Studies Offer P.G Diploma in Music / Painting and the Centre to Distance Education P.G. Diploma in Entrepreneurship & P.G. Certificate in Floriculture.

2.2.4 Has the University conducted any study on the academic growth of the students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners etc.? If yes, what are the main findings?

- Each department reviews the semester-wise result of the students specially the students of disadvantaged section of the society to study their academic growth / performance.
- The review study shows that the academic growth of the student form disadvantaged section of the society is progressive from one semester to another.
- Coaching classes are conducted for students belonging to SC/ ST category.

2.2.5 How does the University identify and respond to the learning needs of the

\* advanced learners



\* *slow learners.*

- On the basis of the performance in internal test, individual teachers identify both advanced as well as slow paced learners.
- Teacher then give assignments to advanced and slow paced learners accordingly so as to suit their learning needs.

## 2.3 Teaching-Learning Process

2.3.1 *How does the University plan and organize the teaching learning and evaluation schedules (academic calendar, teaching plan-evaluation blue print etc.).*

- At the University level, an academic calendar is prepared each year which reflect the teaching days, examination days and semester break. The same is then circulated to all the departments after taking the approval of statutory bodies of the University.
- At department level, each department prepares the departmental academic calendar which reflects the days of the monthly internal test, for the submission of assignments and the scheme of evaluation. For teaching plan, a time table is prepared which depicts the weekly classes for various courses. Both of these are placed on the notice board for the student's information after the approval from the faculty.

2.3.2 *Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?*

- Yes, the departments provide course outlines and course schedules (like credit,contact hours etc.) prior to the commencement of the academic session.
- Students get clarity about the content load and the time covered for completing the course. They are also guided to collect and read basic text and other reading material concerning the various courses.

2.3.3 *Does the University face any challenge in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.*

Normally, all the departments complete their curriculum within the stipulated time frame and calendar.



2.3.4 *How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning besides facilitating lifelong learning and knowledge management.*

- Seminars, Field Work, Project Work and Practical classes are conducted to make learning student centric
- Assignments are given to encourage self-learning
- Monthly Internal test are conducted for continuous learning which prepare students for lifelong learning.
- Tutorials are arranged for remedial learning.
- Modern ICT is used by faculty members to prepare students for the management of knowledge.

2.3.5 *What is the university policy on inviting experts/people of eminence to deliver lectures / or organize Seminars for students?*

The university has a policy of inviting experts of the various fields from within and outside the country to deliver special lecture to faculty members, research scholars & students. For this purpose, there is a teacher-coordinator who arranges these lectures at university level. Each department also organizes extension lectures by inviting experts who are normally included as members of different boards. Besides, the department also organizes seminars time to time and invites people of eminence for interaction with faculty & students during the seminar.

2.3.6 *Does the university formally encourage blended learning by using e-learning process?*

The university encourages blended learning for the faculty & students by subscribing on-line e-journals and e-books.

2.3.7 *What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?*

- All the classrooms have the ICT facilities of LCD projections. Most of teachers make use of these facilities and teach the students by power point presentation.
- Facilities of on-line learning through Internet is also available in all the departments. For this purpose, students make use of the facility of computer laboratory which exist in almost all the departments. These laboratories are linked with Wi-Fi connection.
- Research scholars of the departments make use of e-mails & mobile to connect themselves with their supervisors and seek research guidance.



- Library has the open access to the educational resources for the use of faculty & students.

2.3.8 *Is there any designed group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?*

Faculty members of the various university departments are the representative members in the Governing Body of the various colleges situated in the local community.

They play a major role in integrating the benefits of the community in the university's educational process and the vice-versa.

2.3.9 *What steps has the university taken to convert traditional classrooms into 24x7 learning places?*

Not yet.

2.3.10 *Is there a provision for the services of counselors/mentors/advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.*

- Each department has a faculty member who works as a designated counsellor and provide educational guidance to the students especially in the selection of courses under CBCS system.
- Periodic guidance & counseling is also provided by career & counseling cell of the university which is headed by a Coordinator who is one of the faculty member. The cell regularly publicizes detailed notification on any matter related to counseling & training.

2.3.11 *Were any innovative teaching approaches/methods/practices adopted/ put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?*

- Most of the teachers now support their traditional method of teaching with multimedia approach by giving power point presentation.
- In some departments (e.g. Education), on-line workshop was organized to train Science & Maths teachers by inviting an expert from Learning Link Foundation, Delhi.
- A number of departments and centers take their students for study tour and field work to a place of academic significance.



- In some departments (e.g. management) students are also taken to industries & business houses to study their functioning.
- Results of the last three years shows that there is a significant improvement in learning.

*2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?*

- For nurturing creativity and scientific temper among students, almost all the departments conduct course-seminars where each student or a group of students present their seminar paper on the topics of their courses. The same is then evaluated for their internal assessment.
- Some departments have the provision of compulsory project/dissertation work which provide the students ample opportunities for nurturing their creative thinking and scientific reasoning.
- Some departments (especially science departments) have laboratory work where the students conducts various scientific experiments, collect & analyze data and finally draw conclusions by making use of their creative talent and scientific reasoning.

*2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?*

Yes, in about 36% of the departments, project work is mandatory at the P.G. level. Each project is guided by a faculty member as a supervisor.

*2.3.14 Does the university have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?*

- Yes, the university has a well-qualified pool of resources to meet the requirements of the curriculum.
- Wherever, there is a shortage in some departments, they recruit guest faculty.

*2.3.15 How are the faculty enabled to prepare computer-aided teaching learning materials? What are the facilities available in the university for such efforts?*

- The university has a computer center which conducts various training programmes for ICT in education. It conducts training programmes for faculty using statistical & scientific software to enable them effectively utilizes computer-aided teaching/learning material.
- The university has the facility of computer laboratory in each department which is equipped with number of computers, LCD projector & internet connectivity.



2.3.16 Does the university have a mechanism for the evaluation of teachers by the students/alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

- The university has recently introduced the mechanism of evaluating teachers by students.
- Feedback mechanism is yet to be put in place.

## 2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

- The departments conduct seminars/symposia/workshops on various academic themes pertaining to the new curriculum.
- Faculty members are also encouraged to attend various academic programmes outside the university/state.
- Wherever necessary, the university proposes additional faculty positions for meeting the changing requirements of the new curriculum.
- The shortfall in human resources is met by recruiting guest faculty.

2.4.2 Furnish details of the faculty

Please refer to the Table 2.5.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<i>Permanent teachers</i>							
D.Sc./D.Litt.	1	-	-	-	-	-	1
Ph.D.	93	25	54	20	62	27	281
M.Phil.	-	-	1	1	5	6	13
P.G.	-	-	2	1	42	19	64
B.E.	-	-	-	-	1	-	1
<i>Temporary teachers</i>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
P.G.	-	-	-	-	-	-	-
<i>Part-time teachers</i>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
P.G.	-	-	-	-	-	-	-

Table 2.5: Details of the faculty in the University

2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (department/school-wise)





Department	% of faculty from NEHU	% of faculty Meghalaya	% of faculty from outside Meghalaya
Academic Staff College	0	33	67
Adult Education	63	63	37
Agri-Business Management and Food Technology (Tura)	0	33	67
Anthropology	64	46	54
Architecture	0	67	33
Biochemistry	27	18	82
Biomedical Engineering	0	0	100
Biotechnology	43	43	57
Botany	57	36	64
Basic Sciences and Social Sciences (BSSS)	50	31	69
Chemistry	17	22	78
Commerce	29	29	71
Computer Applications (Tura)	0	0	100
Computer Centre	0	0	100
Cultural and Creative Studies	50	50	50
Distance Education	0	0	100
Economics	43	43	57
Education	46	55	45
Education (Tura)	25	25	75
Electronics and Comm. Engg.	0	18	82
Energy Engineering	0	0	100
English	53	47	53
English (Tura)	63	63	37
Environmental Studies	50	0	100
Garo (Tura)	100	100	0
Geography	60	40	60
Hindi	0	0	100
History	58	42	58
History & Archaeology (Tura)	0	0	100
Horticulture (Tura)	0	0	100
Information Technology	0	0	100
Jornalism and Mass Communication	0	33	67
Khasi	67	100	0
Law	0	0	100
Library & Information Sciences	33	50	50
Linguistics	0	40	60
Management (Tura)	0	0	100
Mathematics	44	22	78
Nanotechnology	0	50	50
Philosophy	44	22	78
Physics	56	44	56
Political Science	46	9	91
RDAP (Tura)	0	0	100
Science Education	0	0	100



Department	% of faculty from NEHU	% of faculty Meghalaya	% of faculty from outside Meghalaya
Sociology	43	29	71
Statistics	14	0	100
Tourism and Hotel Management	25	25	75
Zoology	57	21	79
Foreign Faculty	-	-	-

Table 2.6: Faculty composition in the University

2.4.4 How does the university ensure that qualified faculty are appointed for new programmes/emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

- Qualified faculty for the new programmes/emerging areas of the study is appointed on the basis of interview by selection committee after proper screening of the applications.
- The following faculty members were appointed to teach new programmes during the last four years.

Sl. No.	Courses	Professor	Associate Professor	Assistant Professor	Total
1	Horticulture (Tura): M.Sc.	1	1	3	5
2	History & Archaeology (Tura): MA	-	-	3	3
3	Journalism & Mass Communication: MA	-	-	3	3
4	Tourism & Hotel Management: MBA-THM	1	2	2	5
5	Agri-Business Management and Food Technology (Tura): MFA	-	-	3	3
6	Biomedical Engineering: B.Tech.	-	1	5	6
7	Energy Engineering: B.Tech.	-	-	4	4
8	Architecture: B.Arch.	-	-	3	3
9	Nanotechnology: Ph.D.	-	-	2	2
10	Computer Application (Tura): MCA	-	-	3	3
<b>Total</b>		<b>2</b>	<b>4</b>	<b>31</b>	<b>37</b>

Table 2.7: Teachers appointed for new programmes in last four years.

2.4.5 How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the university?

At present, the following Visiting Professor/Fellows are on the rolls of the university



Sl. No.	Department	Faculty Position	Number
1	Political Science	Visiting Professor	2
2	Rural Development & Agricultural Production (Tura)	Visiting Fellows	6
3	Computer Application (Tura)	Visiting Professor	1

**Table 2.8:** Emeritus/Adjunct Faculty/Visiting Professors on the rolls of the University.

2.4.6 *What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. Providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national /international conferences etc.)?*

- Teachers are provided study leave to carry out their Ph.D. work.
- Teachers are provided financial assistance to attend National & International Seminars/Conferences/Workshops.
- Teachers are sent on deputation to attend Refresher courses/Orientation Programmes.
- The university provides partial grants to departments for organizing National/International Conferences.

2.4.7 *How many faculty receives awards/recognitions for excellence in teaching at the state, national and international level during the last four years?*

About 35 faculty members have received awards /recognitions for excellence in teaching at state, national & international level during the last four years.

2.4.8 *How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?*

Please refer to the following Table 2.9.

Sl. No.	Academic Staff Development Programme	Number of Faculty
1	Refresher Course	88
2	Orientation Programme	42
3	Staff Training conducted by the university (Refresher Courses & Orientation Programmes)	97
4	Summer/Winter Schools conducted by the University	64

**Table 2.9:** Faculty who underwent staff development programmes.

2.4.9 *What percentage of the faculty have?*



i. been invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies?	45%
ii. participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies?	80%
iii. presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies?	65%
iv. teaching experience in other universities/national institutions and other institutions?	5%
v. industrial engagement?	3%
vi. international experience in teaching?	0%

2.4.10 *How often does the university organize academic development programmes (e.g. Curriculum development, teaching learning methods, examination reforms content/knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?*

Different departments organize capacity building programmes for its faculty at least once in a semester.

2.4.11 *Does the university have a mechanism to encourage*

- \* *Mobility of faculty between universities for teaching?*
- \* *Faculty Exchange programmes with national and international bodies?*
  - Faculty members are invited to deliver lectures by other universities.
  - The departments of our university also invite eminent faculty members of other universities to deliver lectures.
  - The provision certainly helps in improving the quality of faculty.



## 2.5 Examination Process and Reforms

2.5.1 *How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?*

- The evaluation process is well defined under the relevant ordinances and regulations framed/adopted by the university from time to time after due consideration by the competent authorities of the university. Such ordinance/regulations are available in the university's official website so as to ensure that all the stakeholders are aware of evaluation processes that are in place.
- In the beginning of the academic session, each department organizes the orientation programme for the students to appraise them in details about the course work and its evaluation process.

2.5.2 *What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.*

- Semester system with 25% weightage to internal assessment has been introduced at undergraduate level w.e.f. 2015. Three year UG course is now spread over six semesters.
- Professional UG courses such as B.Tech. & B.A.LLB (5years integrated) already have semester system.
- Three workshops for the college teachers were organized by the examination department to appraise them with the course work & evaluation process of the new semester system to be introduced in the colleges
- The university is yet to see its impact.

2.5.3 *What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode/media adopted by the University for the Publication of examination management system.*

- The average time taken by the university for declaration of examination results is around 45 (forty five) days from the last date of examinations held.
- There has been delay in timely publication of results in the past for some courses and to address such concerns, the examination department has introduced system of center-wise evaluation of answer scripts at the undergraduate level and also implemented basic template to facilitate digital tabulation and computation of postgraduate results carried out by the respective academic departments of the university.
- The results are published and uploaded in the official website of the university.



2.5.4 *How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?*

For the purpose of evaluation, the prescribed procedures have been laid down in the relevant ordinances and regulations of the university so as to ensure that there is transparency in the system. For the purpose of maintenance of confidentiality, the answer scripts are coded before evaluation and similarly decoded after the process of evaluation and scrutiny.

2.5.5 *Does the university have an integrated examination platform for the following processes?*

- \* Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.
- \* Examination process – Examination material management, logistics, etc.
- \* Post-examination process – Attendance capture, OMR-based exam results, auto processing, generic results processing, certification etc.

In order to implement semester system of examinations at the undergraduate level from the current academic session, the examination department has resorted to online registration of the students vis-à-vis automation of results, time table generation, attendance sheet etc. The similar automation is being extended at the postgraduate, B.Tech, BA.LLB, B.Ed. courses etc. which are likely to be in place by the next academic session. Online payment gateway is also one of the features of the examination system which will be in place in the near future.

2.5.6 *Has the university introduced any reforms in its Ph.D. evaluation process?*

The evaluation process for Ph.D. is carried out in accordance with UGC Regulation 2009. Further it is decentralized at the department level.

2.5.7 *Has the university created any provision for including the name of the college in the degree certificate?*

At present there is no provision to include the name of the college in the degree certificate.

2.5.8 *What is the mechanism for redressal of grievances with reference to examinations?*

The examination department does not have any Grievance Cell as such but grievances of any kind with reference to examination related matters are addressed on a priority basis.



2.5.9 *What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mentions any significant efforts which have improved the process and functioning of the examination division/section.*

The university's examination department in particular is mandated to operate round the year on matters pertaining to various under graduate, post graduate and professional courses examinations including award of M. Phil and Ph. D degrees of various disciplines that are offered by the university. With the increase of numbers of affiliated colleges and academic departments vis-à-vis implementation of semester system of examinations at its undergraduate level from the academic session 2015, the examination department is progressively envisaging to be equipped with necessary logistical support to meet the challenges ahead. The examination department also taking adequate steps to digitize all confidential records maintained since its inception. In order to simplify and expedite the process of time bound declaration of results, steps have been initiated towards total automation of conduct and computation of results. Intermittent workshops with various stakeholders are being conducted in connection with paper setting, evaluation etc.

## 2.6 Student Performance and Learning Outcomes

2.6.1 *Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?*

- Dean of Students' Welfare (DSW) displays necessary information for the students time to time on the office notice board concerning the conduct of their expected behavior during their course of study with a copy to the Deans of schools/Heads of the departments.
- Deans of schools/Heads of the departments then take care for its implementation

2.6.2 *Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?*

The learning outcomes for each academic programme are stated through the course objectives of the syllabus. The same are discussed and shared with the students and faculty in the departmental orientation programmes before the commencement of the classes.



2.6.3 *How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?*

To facilitate the achievement of the intended learning outcomes, the various departments of the university make use of multiple methods; viz lecture, tutorial, practical work, class seminars, assignments, field work, study tours etc.

2.6.4 *How does the university collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?*

- The departments of the university collect and analyze the data on student learning outcomes through Class Seminars, Assignments and Internal Test.
- Students are given feedback after each Class Seminar/Assignment/Internal Tests to improve their learning.
- The result of end-semester examination works as a source of feedback for undertaking remedial measures to overcome barriers in learning if there is any.

2.6.5 *What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/future challenges?*

- Power-point assisted class lectures.
- Computer laboratories in most of the departments.
- Subject centered laboratories in many of the departments.
- Access to e-resources for students in most of the departments.

The university plans to introduce the following technologies to meet fresh/future challenges.

- Technology enabled teaching through smart class rooms in all the departments.
- Access to e-learning resources in hostels.
- On-line teaching and research guidance.
- Mobile assisted learning & guidance.

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include.* No.





## CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

### 3.1 Promotion of Research

3.1.1 *Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.*

The Board of Research studies is mandated to monitor the research in the University. In its meetings, the Deans of the Schools present the progress of the research during the year which is discussed and deliberated for improvement in the quality of research in the Departments of the school. In addition, the research & development activities of the university are governed promoted via the following components:

- (a) *Research leading to university degree: In many departments, research in the form of project-work in various post graduate programme is a part of the minimum criteria required to receive their degree certificate. This is aimed at inducing the young minds to pursue research after completion of postgraduate degree. The findings are submitted in the form of a dissertation which is evaluated by an expert to award marks for quality of work and presentation in the viva-voce. Many such start-ups finally lead to publication of research articles.*
- (b) *The rules governing the research in M.Phil and Ph.D. programmes is mandated by the university constitution and go through series of statutory university academic bodies such as Board of Studies (BOS), School Boards, Academic council and Board of Research Studies.*
- (c) *Research related to time-bound sponsored projects: The university encourages the faculties to bring time-bound sponsored projects which get due credit in promotions of faculties as per UGC guidelines. To inspire the research activities, the university gives 70% of the Overhead fund of the project to the Principal Investigator to meet additional contingent demands for operating the project. Such sponsored helps to train students in form of technical assistant, project assistant, etc. many of whom used to pursue research for their eventual Ph.D. degree. Of course, the quality and progress of such research is ideally taken care of by the sponsors themselves unless any project staffs are enrolled for the university degree.*

3.1.2 *What is the policy of the university to promote research in its affiliated / constituent colleges?*

As such, most of the affiliated colleges of the university do not carry out research to give university degrees. Those who opt to carry out research, university sends a team of faculties to verify the infrastructure and offers suggestion on how to bring improve upon research culture in the colleges. Many college teachers conduct research in collaboration



with experienced faculties from university who jointly guide the students working in such colleges. These collaboration leads to publication of research articles as well as in producing Ph.D.s from the colleges although PhD candidates are registered from the University departments. Nevertheless, the resulting research publications help in getting research project (both major and minor) from the colleges which in turn help in overall development of research infrastructure as well as in promoting research culture.

3.1.3 *What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/ projects?*

\* *Advancing funds for sanctioned projects*

Yes, university used to facilitate various activities related to the project by advancing the funds immediately after getting the sanction order from the sponsors.

\* *Providing seed money*

Yes, the university facilitates the newly appointed faculties to apply for seed money from the UGC.

\* *Simplification of procedures related to sanctions/ purchases to be made by the investigators*

The process of purchases are simple and as per General Finance Rule, Government of India. Any purchases under Rs. Ten thousand can be done without going through Departmental Purchase Committee which oversees the transactions beyond that amount. In case any emergencies, the contingency as well as the overhead funds can be used by the Principal Investigator to meet the demand from time-bound projects. Principal investigator is made the sanctioning officer to expedite the process the purchase.

\* *Autonomy to the principal investigator/coordinator for utilizing overhead charges*

Yes the university allots 70% of the overhead grant to utilize for the project work. This amount can be used for expenditure of any project related work, but asset.

\* *Timely release of grants*

As mentioned earlier, the university facilitates the project activities even before receipt of grants from the sponsors. Grant release on or before time is just a regular practice in the university.

\* *Timely auditing*

The University gives huge importance on audit compliance. Audit is conducted on time. To ensure accountability of financial transactions, the University's budget is submitted to scrutiny by internal audit and external audit. The audit of the accounts is being carried out by the Local Fund Audit department of the Government of Meghalaya as an External Agency independent of the University administration to take fair view and give independent opinion on the performance as well as financial transaction of the University in the form of Audit Report along with the Audited Annual Accounts for each financial year.



\* *Submission of utilization certificate to the funding authorities*

In order to complete the process of utilization certificate, all the Departments and Project Investigators are instructed to submit their bills in the first week of March every year and submit the utilization certificates within the first three months of the next financial year.

### 3.1.4 How is interdisciplinary research promoted?

\* *Collaboration between/among different departments /schools of the university:*

The university gives utmost priority to interdisciplinary research within the various specialized expertises available in a department so that new vistas of knowledge can be achieved. That is true for collaboration between the departments as well schools. The university has many sponsored projects where the faculties from various departments jointly formulated to achieve broader objectivity of outreaching towards human welfare.

\* *Collaboration with national/international institutes / industries:*

Many faculties of the university have collaboration with various national and international institutes of repute. The linkage promotes Curriculum development, Internship, On-the-job training, Faculty exchange and development, Research, Consultancy, Extension, Publication, Student Placement.. The linkages due to collaborative research avenues help in undertaking high quality research particularly with the specialized Research Centres in India and abroad. Visits to such institutions by the faculty help them get an idea about the courses offered by these institutions which are helpful during revising our own courses. In such collaborations, exchange program takes place for student researchers as well which opens up their horizon towards research culture and knowledge. Some such research students get placements in collaborating institutions after completion of their Ph.D. Several collaborative programmes have built in mechanism of faculty exchange which provides exposure to the faculty and also opportunity of working in internationally renowned institutions. In fact many of our Ph.D. alumni working abroad are result of such fruitful collaborations. Some of the joint collaborations have resulted in high quality research publications. Most of the university departments are actively engaged in academics as well as R& D activities. Given the emphasis on multidisciplinary research to bring the research output to the door of common people, it is common endeavour for most of the faculties to outreach other centre of excellence on academics and research India as well as abroad. Such result afforded huge amount of linkages of the University with many institutes of repute, as delineated below:

1. Prof. M. S. Bisht of Centre for Science Education, NEHU collaborated with Prof. C. Nirmala, Department of Botany, Panjab University, Chandigarh. He also collaborated with Dr. Kananbala Sarangthem, Department of Life Sciences, Manipur University, Canchipur.



2. Brinda Bazeley Kharbirymbai of the Department of Education co-authored and jointly presented a paper titled “A study of memory level of teaching and culture” at the International Seminar on Cultures of Memory: Mnemocultural Praxis in South Asian Countries at English & Foreign languages University, Shillong Campus, in collaboration with ICSSR-NERC, CIFL-Mysore, ICSSR-New Delhi, and Maulana Abdul Kalam Azad of Asian Studies, Kolkata, in 7-9 November, 2013.
3. Prof. U. K. De of the Department of Economics worked as a visiting faculty of Economic Research Unit, Indian Statistical Institute Kolkata during 20-12-2013 to 03-02-2014.
4. Prof. R. Khongsdier of the Department of Anthropology collaborated with Dr. S. Bisai and Dr. K. Bose, Vidyasagar University, in a project on “Body composition in relation to obesity and associated factors among adolescents in Meghalaya and West Bengal”.
5. Dr. B.T. Langstieh of the Department of Anthropology collaborated with: (i) Prof. Maria Sasvari-Szekely and Dr. Csaba Barta, Institute of Medical Chemistry, Molecular Biology and Patho-Chemistry, Semmelweis University, Budapest, Hungary, and Dr. Anna Szekely, Institute of Psychology, Eötvös Loránd University, Budapest, Hungary, in a project on psychogenetics, (ii) Prof. Donna Leonetti and Dr. Geoff Kushnick, Department of Anthropology, University of Washington, Seattle, in a project on human behavioural ecology.
6. Dr. G. Ranjan of the Department of Anthropology collaborated with Dr. J. Seberg, Department of Anthropology, Aarhus University, Denmark, in a project titled “Nepal on the Move: Conflict, Migration and Stability.”
7. Dr. Sudipta Ghosh of the Department of Anthropology collaborated with Prof. Tom D. Brutsaert of Syracuse University and Prof. Fabiola Leon, President of UPCH university of Lima, Peru, in a project entitled “Natural selection and Genes determining Higher Arterial Saturation in Peruvian Quechua” funded by NSF, USA.
8. Professor B. K. Tiwari of the Department of Environmental Sciences has research collaboration with Friedrich-Schiller-Universität Jena, Löbdergraben 32, 07743, Jena, Germany, and during the year under report NEHU signed a MOU with Friedrich-Schiller-Universität, Jena to institutionalize the on-going collaboration with Professor Tiwari as one of the nodal points.
9. Professor Devesh Walia of the Department of Environmental Sciences has research collaboration with EOS- NTU, Singapore, IIG, Navi Mumbai, Department of Physics, NEHU, Shillong.
10. Professor Devesh Walia of the Department of Environmental Sciences has research collaboration with Earth Observatory of Singapore, NTU, Singapore; IIG, Navi Mumbai, Department of Physics, NEHU, Shillong.
11. Prof. H.J. Syiemlieh and Mr. Danny M. Synnah of the Department of Geography



- are collaborating with (i) Dr. P. Prokop, Dept. of Geoenvironmental Research, IGIZ, Polish Academy of Sciences, Krakow, Poland.
12. Prof. H.J. Syiemlieh and Dr. L. Cajee of the Department of Geography are collaborating with Prof. T. Hayashi, Disaster Prevention Research Institute, Kyoto University, Japan.
  13. Prof B.S. Mipun of the Department of Geography is a team member in the collaboration with Friedrich Schiller University, Jena, Federal Republic of Germany.
  14. Dr C P Suresh of the Department of Horticulture is the supervisor for Mr. Sarad Gurung, Ph.D. Scholar IXth Semester, Department of Pomology & Post-Harvest Technology, Uttar Banga Krishi Viswavidyalaya. Thesis title: “Efficacy of inorganic & organic amendments, growth regulators and micronutrients on the performance of Darjeeling Mandarin Orange”.
  15. Dr C P Suresh of the Department of Horticulture is the co-supervisor for Mr. Bilok Sharma Ph.D. Scholar IVth Semester, Department of Botany, North Bengal University, Siliguri. Thesis title: “Studies on different cultural conditions for commercial production of pineapple (*Ananas comosus* L.)”.
  16. Dr. Binu Mathew of the Department of Rural Development & Agricultural Production is collaborating with the Don Bosco College, Tura, Meghalaya as Co-investigator of Biotech Hub Project entitled ‘In vitro propagation of endangered/economically important plants & DNA-Barcoding of animals/plants’ sponsored by DBT (NER), Ministry of Science and Technology, New Delhi.
  17. Ms. Rimi Nath of the Department of English was a member of the editorial board for a book project *The Age of Asian Migration: Continuity, Diversity and Susceptibility* (City University of Hong Kong).
  18. A collaborative research project has been started by Prof. R. N. Sharan of the Department of Biochemistry with Dr. A. Mishra at IIT Rajasthan, Jodhpur with funding by BRNS. Three collaborative projects of Prof. D. Syiem, Prof. A. K. Singh & Dr M. B. Syiem of the same department under DBT-Twinning are continuing in the department. Two other collaborative DBT-funded research projects are running in the laboratory of Dr. T. Tripathi of the Department of Biochemistry. There are also research collaborations at individual level with the following institutes: Toho University, Japan; Research Centre, Juelich, FRG; Osaka University, Japan; University of Cambridge, UK; Newcastle University, UK; JNU, BHU, etc.
  19. The Department of Biotechnology & Bioinformatics of NEHU has started new collaboration in R&D with NIPER-Chandigarh, Bose Institute-Kolkata, Visva Bharati University- Santiniketan, West Bengal, Molecular Biology Division- BARC, Mumbai, National Institute of Technology- Durgapur, West Bengal, University of Madras, IIT Kharagpur, West Bengal
  20. The Department of Botany of NEHU has developed collaborative research with



Jawaharlal Nehru University, New Delhi, Herbal Research Lab., Ramnarain Ruia College, Mumbai, Banaras Hindu University, Varanasi, Indian Institute of Horticultural Research (IIHR), Bengaluru, National Institute of Plant Genome Research, New Delhi, University of Jammu, Jammu, University of Kashmir, Srinagar.

21. The Department of Botany of NEHU is coordinating a collaborative research project with 37 Universities/Institutions all over the country under the DBT programme, "Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools."
22. The Department of Botany of NEHU is coordinating another collaborative research project with 16 Universities/Institutions all over the country under the All India Coordinated research project on "Quantification of Sacred Grove Ecosystem Services", sponsored by Ministry of Environment and Forests."
23. The Department of Botany of NEHU has academic level collaboration with Feiburg University, Feiburg, Germany and University of Ljubljana, Slovenia
24. Prof. N. Saha of the Department of Zoology of NEHU collaborated with Dr. Manas K. Santra, Scientist D, National Centre for Cell Sciences, Pune.
25. Prof. A. S. Dixit of the Department of Zoology of NEHU collaborated with (i) Prof. V. Kumar, Department of Zoology, Delhi University, Delhi (ii) Prof. Sangeeta Rani, Department of Zoology, Lucknow University, Lucknow.
26. Dr. B. Das of the Department of Zoology of NEHU collaborated with (i) Dr. Amit Sharma, International Centre for Genetic Engineering and Biotechnology, New Delhi (ii) Prof. K. Satyamoorthy, Manipal University, Manipal; Prof. S. Mishra, ILS, Bhubaneswar, Odisha and (iii) Dr. A. Kataki, BCCI, Guwahati, Assam; North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong.
27. Prof. A. K. Yadav of the Department of Zoology of NEHU collaborated with Dr. Andreas-Schmidt Rhaesa, University of Hamburg, Germany on Biodiversity of Indian Nematomorpha and published joint papers out of collaborative work.
28. Prof. A. S. Dixit of the Department of Zoology of NEHU collaborated with (i) Prof. Kazuyoshi Tsutsui, Laboratory of Integrative Brain Research, Department of Biology, Waseda University, Tokyo, Japan.
29. Dr. S. Ghosh of the Department of Zoology of NEHU collaborated with National Institute of Biomedical Genomics, Kalyani, WB.
30. Dr. S. R. Hajong of the Department of Zoology of NEHU collaborated with Dr. Salmah Yaakop, Centre for Insects Systematic, School of Environmental and Natural Resource Sciences, Faculty of Science and Technology, Kebangsaan University, Malaysia.
31. Dr. B. Das of the Department of Zoology of NEHU collaborated with (i) Dr. Rakesh Kumar, Department of Biochemistry and Molecular Biology, Institute of Coregulator Biology, Washington, USA and (ii) Dr. V. Ferro, SIPBS, Strathclyde





- University, Scotland, UK.
32. Prof. K. Ismail of the Department of Chemistry has academic collaborations with (i) Dr. V. K. Aswal, Solid State Physics Division, Bhabha Atomic Research Center, Mumbai (ii) Dr. P. A. Hassan, Chemistry Division, Bhabha Atomic Research Center, Mumbai (iii) Dr. S. Mahiuddin, Materials Science Division, CSIR-North East Institute of Science and Technology, Jorhat (iv) Dr. R. Biswas, Chemical, Biological and Macromolecular Sciences, S. N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata.
  33. Prof. R. A. Lal of the Department of Chemistry has academic collaborations with Dr. Arvind Kumar, Department of Chemistry, Faculty of Science and Agriculture, the University of West Indies, St. Augustine, Trinidad and Tobago.
  34. Prof. K. M. Rao of the Department of Chemistry has academic collaborations with (i) Prof. Yuriy Mozharivskyj, Department of Chemistry and Chemical Biology, McMaster University, Canada (ii) Prof. Roger M Phillips, Department of Cancer Pharmacology, Institute of Cancer Therapeutics, University of Bradford, Bradford, UK (iii) Prof. Dr. Habil Werner Kaminsky, Department of Chemistry, University of Washington, Seattle, WA 98195, USA.
  35. Prof. A. K. Chandra of the Department of Chemistry has academic collaboration with Quantum Chemistry Group, University of Leuven, Belgium.
  36. Prof. G Bez of the Department of Chemistry has R & D collaboration with Dr Sarabani Ghosh Laskar of TMS, Mumbai.
  37. Dr. T. S. Basu Baul of the Department of Chemistry has academic collaborations with Prof. A. Linden, University of Zurich, Switzerland; Prof. H. K. Fun, University of Malaya, Malaysia; Prof. G. Eng, University of the District of Columbia, USA; Prof. E. R. T. Tiekink, Universiti Sains Malaysia, Malaysia, Prof. U. Englert, Institut für Anorganische Chemie, RWTH Aachen University, Germany, Prof. M. Fátima C. Guedes da Silva, University of Lisbon, Portugal, Prof. A. Duthie, School of Life & Environmental Science, Deakin University, Australia, Prof. P. Singh, Guru Nanak Dev University, Amritsar, Dr. S. K. Manna, Centre for DNA Fingerprinting and Diagnostics, Hyderabad.
  38. Dr. M. K. Sahoo of the Department of Chemistry has academic collaborations with Prof. R.N. Sharan, Dept. of Biochemistry, NEHU, Shillong; Dr. D. B. Naik, Radiation and Photochemistry Division, BARC, Trombay, Mumbai; Dr. C. Srinivas, Process Development Division, BARC, Trombay, Mumbai.
  39. Dr. S. Mitra of the Department of Chemistry has academic collaborations with Prof. D. Kumar, BITS, Pilani; Dr. A. Bhasikuttan, BARC, Mumbai.
  40. Prof. P. Shukla of the Department of Physics, NEHU visited the International Centre of Theoretical Physics, Trieste, Italy, during Nov. 19 – Dec 19, 2013; and the Institute of Mathematical Sciences, Chennai, India, during Jan. 5 – Feb. 5, 2014, on their invitations for collaborative research work.
  41. Prof. B. Jyrwa of the Department of Physics, NEHU is engaged in close collab-



oration between Nuclear Physics Division (NPD) and Radio Chemistry Division (RCD) of Bhabha Atomic Research Centre (BARC) at Trombay, Mumbai, regarding experimental studies of nuclear reaction involving photon and neutron cross sections from Structural materials and the theoretical interpretation of the data obtained thereby. There is also close collaboration with International Atomic Energy Agency (IAEA) from Vienna regarding compilation of Nuclear Data and their evaluation by calculating the covariance matrices and studying the error propagation of the experimental results.

42. Dr. T. K. Chakrabarty of the Department of Statistics visited Applied Statistical Unit, Indian Statistical Institute, Kolkata during the period November 20, 2013 to January 31, 2014 for collaborative research in the area *Density estimation from retrospective duration data with selective recall errors*.
43. The Department of Biomedical Engineering has academic collaborations with NEIGRIHMS, Shillong, and Indian Institute of Technology, Guwahati.
44. Dr. H. Choudhury of the Department of Basic Sciences & Socila Sciences has collaborative research with
  - i. Dr. A. Chettri, Sikkim University, Gangtok, Sikkim and Dr. K. K. Singh, GBPIHED (Sikkim Unit) Sikkim on *Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools*, and
  - ii. Dr. S. Shailajan, Dr. S. Pednekar and Dr. S. Menon of Herbal Research Lab, Ramnarain Ruia College, Mumbai, on (a) *Phytochemical profiling, molecular characterization and conservation of Flemingia vestita: Endemic medicinally important plant of Northeast India*, and (b) *Molecular characterization and chemoprofiling of two pharmacologically relevant species of Dendrobium found in Northeast India*, and
  - iii. Dr. P. Kumari of BSI, Howrah, West Bengal on *Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools*.
45. The ECE has research collaborations on consortium mode with
  - i. International Institute of Information Technology, Hyderabad (IIITH), Indian Institute of Technology (IIT) Kanpur, Thapar University Patiala, IIT Guwahati, Tezpur University Tezpur, Rajiv Gandhi Institute of Technology (RGIT) Kottayam, DA-IICT Gandhinagar, IIT Hyderabad and IIT Kharagpur on the *Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages*.
  - ii. IIT Guwahati and National Institute of Technology (NIT) Silchar on the *Development of Speech based Multi-Level Person Authentication System*.

Dr. L. J. Singh is the PI from NEHU for above two consortium projects, \*(45.)i. (Mr. S. K. Dutta as Co-PI) and \*(45.)ii. (Ms. Fidalizia Pyrtuh





as Co-PI), which are funded by the Department of Electronics & Information Technology (DeitY), Ministry of Communications & Information Technology (MCIT), Government of India (GoI).

- iii. Dr. L. J. Singh is also the co-ordinator of National Program on Micro and Smart Systems (NPMASS) programme under which a Micro- ElectroMechanical Systems (MEMS) Design Centre (National Centre) was established in NEHU. NPMASS programme is coordinated by Indian Institute of Science (IISc.) with fundings mainly from Aeronautic Development Agency (ADA), GoI.
46. Dr. R. Subadar of the Department of Electronics & Communication Engineering is guiding one Ph. D. Student at North Eastern Regional Institute of Science and Technology, NERIST, Nirjuli, Itanagr, Arunachal Pradesh
47. Dr. Anindya Halder of the Department of Computer Applications performed collaborative research and published research articles with (i) Center for Soft Computing Research, Indian Statistical Institute, Kolkata, (ii) Dept. of Computer Science & Engineering, Jadavpur University, Kolkata and (iii) Dept. of Computer Science & Engineering, Academy of Technology, Aedco Nagar, Hooghly, West Bengal, India.
48. The Department of Nanotechnology has academic collaboration with Bhabha Atomic Resrach Centre, Mumbai and also with the Department of Physics, Manipur University.

*3.1.5 Give details of workshops/training programmes/sensitization programmes conducted by the university to promote a research culture on campus.*

The university is known for its excellence in research since its inception. Students are taught to pursue research as a career since their entry to the university. The vibrant research culture in the university is considered sufficient to motivate students and new faculties to pursue research career. Beyond that the orientation course and refresher course in academic staff college of NEHU, where these activities run round the year, is used as platform to motivate academicians to pursue research. Therefore, no special workshop/training programmes/ sensitization programmes are mandatorily conducted to promote research culture in the campus.

*3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?*

Yes, the university invites researcher of eminence to deliver lectures on their research field as well as to teach postgraduate as well as Ph.D. students for a period of minimum seven days. Although they cannot be termed as adjunct professor, such visits by



researchers of international repute do help the students and faculties to keep them abreast with diverse research areas.

*3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.*

Most of the expenditures related to research activities comes from sponsored projects or departmental grants such UGC-DRS, UGC-SAP, UGC-CAS, DST-FIST, UPE, etc. The university does not earmark grants especially for research, but as overall grant to all academic and research activities of a department. The departments are given freedom to allocate that grant as per their need. A glimpse of the grant allocated for the year 2013-2014 can be found below:

School	Department	Grant from NEHU (in Lakh)
School of Economics, Management, etc.	Commerce	1.5
	Economics	1.5
	Tourism & Hotel Management	0.4
	Library & Information Sci.	3.25
	Journalism & Mass Comm.	0.4
Humanities	English	1.5
	Hindi	1.5
	Khasi	1.5
	Linguistics	1.5
	Philosophy	1.5
Human and Environmental Sciences	Anthropology	5
	Environmental Studies	5.8
	Geography	5.5
Life Sciences	Biochemistry	17
	Biotechnology & Bioinformatics	9
	Botany	17.8
	Zoology	17.8
Physical Sciences	Chemistry	15.8
	Mathematics	3.5
	Physics	9.7
	Statistics	2.2
Social Sciences	History	1.5
	Political Science	1.5
	Cultural & Creative Studies	3
	Sociology	1.5
	Law	2.15
Technology	Architecture	0.4
	Basic Sci. & Social Sci.	3.55
	Biomedical Engineering	0.4
	Energy Engineering	0.4
	Electronics and Communication	5
	Information Technology	5
Nanotechnology	0.4	



School	Department	Grant from NEHU (in Lakh)
Education	Adult & Continuing Education	1.6
	Education	2.15
	Distance Education	1.5

Table 2.10: A glimpse of the grant allocated for the year 2013-2014.

3.1.8 *In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.*

No, the university does not earmark any fund for promoting research in affiliated colleges.

3.1.9 *Does the university encourage research by awarding Post Doctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the university and other sources.*

No, the University does not award any post-doctoral fellowship/ Research associateship. But it encourages the researchers to apply for funding agencies such as UGC, CSIR for research associateship.

3.1.10 *What percentage of faculty has utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?*

During the year 2009-2014, 5.5% of the faculty of the university took sabbatical leave to pursue higher research in the institute of repute within the country and abroad. To grant sabbatical leave, the faculty need to submit their plan of work along with a consent letter from the host institute which is approved by the Vice Chancellor on recommended of the school board. Upon completion of the leave, the faculty submits a detailed report on research output to the university authority.

3.1.11 *Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.*

Since universities are considered as the fertile ground for cultivating knowledge to contribute for wholistic societal development, it is the best place to organize seminars, symposiums and conferences to exchange knowledge. The University departments are very enterprising for holding such meetings of fertile minds to bring awareness and dynamism among researchers and students alike. The numbers suggest the efforts taken by the Departments in this direction. The department-wise list of conferences organized are given below:



## (a) School of Economics, Management &amp; Information Sciences

Department	International	National
Commerce	-	02 (ICSSR, NEHU, MCAB, SBI)
Economics	-	02 (ICSSR, Directorate of Tourism, SANDEE)
Management (Tura)	01 (Planning Dept., Govt. of India)	05 (ICSSR, NESIL, IBDLP, DC Office Tura)
Tourism & Hotel Management	-	-
Library & Information Sci.	01 (ICSSR, UGC)	01 (UGC)

Table 2.11: Conferences organized in the School of Economics, Management &amp; Information Sciences

## (b) School of Education

Department	International	National
Adult & Continuing Education	01 (UGC; ICSSR)	01 (UGC)
Education	-	05 (ICSSR; Govt. of Meghalaya)
Education (Tura)	-	06 (ICSSR; UGC)
Computer Centre	-	02 (Ministry of Sc. & Telecomm. Engg.; NBRC; DBT)

Table 2.12: Conferences organized in the School of Education.

## (c) School of Human and Environmental Sciences

Department	International	National
Anthropology	02 (ICSSR, Aarhus University)	05 (UGC; ICSSR; CIIL, Mysore; NEC)
Geography	05 (ICSSR; NEIC; GIZ-NER; MAKAIS; BASAS, UK)	04 (NESAC; IIF; UGC)
Rural Development & Agricultural Production	-	01 (UGC)

Table 2.13: Conferences organized in the School of Human and Environmental Sciences.

## (d) School of Humanities

Department	International	National
English	-	06 (Bhasha & Publication Centre; ICSSR; NSD, New Delhi; Sahitya Academy; UGC)
English (Tura)	-	01 (ICSSR; ICHR; CIIL; NEC; NEHU)
Hindi	-	09 (ICSSR; CSTT, MHRD; CHI, Agra; CIL; UGC)
Khasi	01 (UGC)	02 (ICSSR; UGC; NEC)



Department	International	National
Linguistics	01 (CIIL, Mysore; ICSSR; UGC; Linguistic Society of India)	05 (DEBCIC; UGC; NEHU)
Philosophy	-	07 (ICPR, New Delhi; ICSSR; UGC)

Table 2.14: Conferences organized in the School of Humanities.

(e) School of Life Sciences

Department	International	National
Biochemistry	01 (DST; ICMR; ICSSR; NEC; UGC)	04 (UGC)
Biotechnology & Bioinformatics	-	07 (DBT; UGC)
Botany	01 (UGC)	26 (DBT; DST; UGC, MoEF; IFAD; CSIR)
Zoolgy	02 (DBT; UGC; NSC, Taiwan)	26 (DBT; DST; UGC, MoEF; NASI; CSIR; INSA)

Table 2.15: Conferences organized in the School of Life Sciences.

(f) School of Physical Sciences

Department	International	National
Chemistry	01 (DST; ICMR; UGC)	06 (DST; CSIR; ICMR; AERB; ISRO; NEC; UGC; DAE)
Mathematics	04 (UGC; NBHM; IUSSTF; NCM; CIMPA; ICTP)	03 (UGC; NBHM)
Physics	-	01 (UGC; DST)
Statistics	-	02 (ISI; Ministry of Home Affairs)

Table 2.16: Conferences organized in the School of Physical Sciences.

(g) School of Social Sciences

Department	International	National
History	-	02 (ICSSR; UGC)
Political Science	-	06 (ICSSR; UGC)
Cultural & Creative Studies	02 (MAKAIS; ICCR; CIIL, ICSSR; UGC)	04 (ICSSR; UGC, IGNC; MAKAIS)
History & Archeology	-	03 (ICSSR; ICHR; UGC; NIFTEM-NIMSME)
Sociology	-	07 (UGC)

Table 2.17: Conferences organized in the School of Social Sciences.

(h) School of Technology



Department	International	National
Biomedical Engineering	-	01 (DBT; NBRC; INCNE)
Electronics and Communication Engineering	-	04 (NPMAS; DeitY; Institute of Electrical and Electronics Engineers (IEEE); SAMEER)
Information Technology	-	04 (ISI; CDAC; UGC)

Table 2.18: Conferences organized in the School of Technology.

Names of Eminent Scientists:

1. Prof. Henry F. Schaefer III, Georgia University, USA
2. Prof. Sourav Pal, Director, National Chemical Laboratory, Pune, India
3. Prof. R. B. Sunoj, Indian Institute of Technology Bombay, India
4. Prof. K. Vanka, National Chemical Laboratory Pune, India
5. Prof. A. Pombeiro, University of Lisbon, Portugal
6. Prof. B. R. Jagirdar, Indian Institute of Science, Bangalore, India
7. Prof. M. Fatima C. Guedes da Silva, Technical Univ. of Lisbon, Portugal
8. Prof. K. Jurkschat, Technische Universität Dortmund, Germany
9. Prof. S. Gomez-Ruiz, University of Rey Juan Carlos, Spain
10. Prof. B. Rajakumar, Indian institute of Technology, Madras, India
11. Prof. M. A. Yus Astiz, University of Alicante, Spain
12. Prof. C. Nájera Domingo, University of Alicante, Spain
13. Prof. Akio Kamimura, Yamaguchi Univ, Japan
14. Prof. Brian S J Blagg, University of Kansas, USA
15. Prof. A. K. Saikia, Indian Institute of Technology, Guwahati, India
16. Prof. S. S. V. Ramshastry, Indian Institute of Science Education and Research (IISER) Mohali, India
17. Prof. D. Knight, Cardiff University, UK
18. Prof. P. Phukan, Gauhati University, India
19. Prof. R. N. Mukherjee, Director, Indian Institute of Science Education and Research, Kolkata, India
20. Prof. N. Hatakayema, Tohoku University, Japan
21. Prof. Debasis Das, University of Calcutta, India
22. Prof. H. Nakamura, Tokyo Institute of Technology, Japan
23. Prof. R. C. Boruah, Director, CSIR-NEIST, Jorhat, India
24. Prof. Samir Pal, S. N. Bose National Centre for Basic Sciences, Kolkata
25. Prof. David Churchil, Korea Advanced Institute of Science and Technology, Seol, South Korea
26. Dr. Naba Kamal Nath, Newyork Univ, Abu Dhabi
27. Prof. Ali Mohammed, Aligarh Muslim University, India
28. Prof. S. P. Khatkar, Maharshi Dayanand University, Haryana, India



## 3.2 Resource Mobilization for Research

### 3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?

In many departments of the university, students research Projects are part of requirements to be awarded with the degree. The budget for students' research project is given as a part of annual allocations to the department. Departments allocate funds for such projects.

### 3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

As such the University does not have a patent cell. The faculty uses the help of DST patent office to file patents. During last five years, two Indian patents are registered.

### 3.2.3 Provide the following details of ongoing research projects of faculty:

Most of the Departments in the University have on-going research projects sponsored by various National and International funding agencies. The status report on major projects is given briefly department-wise (Sub-clause 3.2.1) and in detail (Sub-clause 3.2.2). In the detail report, the title of the projects are not presented in the tabular format as it will demand huge space, but the name of the departments, the faculty involved, the nature of sponsors and the financial outlay are presented below:

#### 1. School of Economics, Management & Information Sciences

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Economics	Evaluation of State Finances: Meghalaya (for the 14th Finance Commission, Govt of India).	Dr. S. Umdor	Govt. of India	NA
	Study on Low Credit Deposit in Meghalaya (for State Level Bankers Committee, Meghalaya)	Dr. S. Umdor	Govt. of Meghalaya	6.5
	Study on Local Government Finance in the Sixth Schedule Areas of Northeast India.	Dr. S. Umdor	ICSSR, New Delhi	2.5
Economics	Adaptation to Climate Change: A Case Study of Flood Prone Areas of Assam.	Dr. D. Das	ICSSR	7.49



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
	Levels of Living and Poverty among Socio-religious Groups in India: Analysis of the Correlates and Determinants at the Region Level.	Dr. V. Pala/ Ms. A. M. W. K. Shadap, St. Edmund's College, Shillong	Indian Council of Social Science Research, New Delhi	18.5
Management (Tura)	An Evaluative Study on the Performance and Working of Meghalaya Rural Bank	Dr. J. U. Ahmed	Indian Council of Social Science Research, New Delhi	8
	Comparative Study on Micro and Small Enterprises in Imphal West District of Manipur And West Garo Hills of Meghalaya - The Entrepreneurial Perspective	Dr. Kh. D. Singh	Indian Council of Social Science Research, New Delhi	7

Table 2.19: Projects in the School of Economics, Management, etc.

## 2. School of Education

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Education	Monitoring Institution for SSA	Prof. C.Nongbri	(MHRD) New Delhi	9.6
	Monitoring Institution for RMSA	Prof. S.M. Sungoh	(MHRD) New Delhi	3.6
	Emotional Intelligence and its Relationship with Selected Personality Characteristics of Secondary School Students in east Khasi Hills , Meghalaya	Dr I. Syiem	UGC-New Delhi	1.2
Education (Tura)	Development and Problems of Secondary Education in Sikkim.	Dr. Y Bhutia	ICSSR – New Delhi	6
	A Study on Learners' Attitude and its impact on Sakshaar Bharat West Garo Hills, Meghalaya	Dr. Nikme Salse C.Momin	SRC,NEHU, Shillong, Meghalaya	60





Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
	Concept Development in Science Subject among Hearing Impaired Children Studying in Integrated and Segregated Educational Settings of Meghalaya'	Dr. S.C. Subudhi	ICSSR, New Delhi	7
Science Education	Organic Garbage Recycling for the Generation of Livelihood and Zero Waste	Prof. M. S. Bisht	DST, GoI, New Delhi	13.50584

Table 2.20: Projects in the School of Education.

## 3. School of Human and Environmental Sciences

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Anthropology	Nepal on the Move: Conflict, Migration and Stability	Prof. T. B. Subba and Dr. Ranjan Gupta	Danida Fellowship Centre, Denmark	18.54 lakhs
	Rice and Aba Cha'a: Stories and Practices from Garo Hills Meghalaya	Dr. Q. Marak	IGRMS, New Delhi	10.6
	Nude Images of Northeast India: Interpreting Verrier Elwin's Ethnographic Photographs	Dr. Q. Marak	ICSSR-NERC, Shillong	0.6
	Red Blood Cell Antigen Typing among Indigenous Populations of Meghalaya and Native Population of Mumbai	Dr. B. Langstieh, Dr. L.N. Lyngdoh, NEIGRIHMS, and Dr. K.Vasantha, NIIH, Mumbai	DBT, Govt. of India	8.7
Environmental Studies	Impact of Mining on Water Resources of Jaintia Hills, Meghalaya.	Prof. O. P. Singh	Ministry of Water Resources, New Delhi.	5.47
	Assessment of lipids and fat soluble vitamins in wild edible insects of Meghalaya	D. Paul	DRDO	3.6
Environmental Studies	Geophysical studies in southern part of Shillong plateau using micro-earthquake technique	D. Walia	NEC	



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
	Impact of fire and grazing on the structure and function of grassland ecosystem of Cherapunjee,	B. K. Tiwari	Ministry of Environment and Forests, New Delhi	3.8
Geography	Desertification Status Mapping of India (Second Cycle)	B. S. Mipun	MOEF, New Delhi	17.84
	Rainfall-Runoff-Sediment Response near Uranium Mining Site, Domiasiat	H. J. Syiemlieh	BRNS	20.29
Horticulture	SDS-PAGE Characterization of Germplasm Lines of Chow-Chow and Jackfruit of Garo Hills of Meghalaya	Arindam Barman	UGC (University Grant Commission), New Delhi, India	10.67

Table 2.21: *Projects in the School of Human and Environmental Sciences.*

#### 4. School of Humanities

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Linguistics	ELMTS-Bodo	S. K. Singh	Ministry of Communications & IT, New Delhi	78.11

Table 2.22: *Projects in the School of Humanities.*

#### 5. School of Life Sciences



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Biochemistry	Study of Induction Kinetics of Dicentric (DC), Micronuclei (MN) and Premature Chromatin Condensations (PCC) in the Peripheral Blood Lymphocytes (PBL) of Ethnic Population Groups of North-East India Following $\gamma$ -Irradiation Ex Vivo: A Comparative Study	Prof. R. N. Sharan	International Atomic Energy Agency (IAEA)	20
	Study on the Potentials of Anti-diabetic Plants of Traditional Use for the Management of Alzheimer's Disease	Prof. D. Syiem	DBT, New Delhi	67
	Quantitative Coupling of Hydrocarbon Degradation and Bacterial Communities in Petroleum Hydrocarbon Impacted Sediments Undergoing Bioremediation	Prof. A. K. Singh	DBT, New Delhi	37
	A Detailed Study on the Potential of Locally Isolated Cyanobacteria in Biosorption of Heavy Metals Common in Water Bodies of Meghalaya	Prof. M. B. Syiem	UGC, New Delhi	13
	Strategy Development for the Mitigation of Heavy Metals in Surface Waters around Coal Mining Areas using Native Cyanobacterial Strains	Prof. M. B. Syiem	DBT, New Delhi	87
	Identification, Molecular Characterization and Structure Determination of Glutaredoxin System Proteins from Infectious Flukes	Dr. T. Tripathi	DBT, New Delhi	43
	Enhancing Functional Repertoire of Eukaryotic RNA Polymerase II	Dr. T. Tripathi	DBT, New Delhi	83
	Molecular Proteomic Studies of the Glutathione S-Transferase Protein System of the Giant Intestinal Fluke- Fasciolopsis buski	Dr. T. Tripathi	ICMR, New Delhi	10
	An Investigation into the Role of Solution Variables in Amyloidogenesis	Dr. T. Tripathi	DST, New Delhi	19



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Bitechnology & Bioinformatics	Purification and characterization of bioactive natural antioxidant, immunomodulator and anticancer products from <i>Dioscorea alata</i> L., of North Eastern region of India	Prof. A. Chatterjee	DBT, Govt of India	8.2
	Studies on antitumor and radioprotective potential of <i>Potentilla fulgens</i> Wall ex Hook. and characterization of its active compounds	Prof. A. Chatterjee	DBT, Govt of India	7.8
	Allelic loss of mitotic checkpoint genes and their expression level in oral and esophageal cancer samples of raw betel-nut chewers in Meghalaya	Prof. A. Chatterjee	DST, Govt. of India	8.5
	Biosystematics of the genera <i>Vigna</i> , <i>Cucumis</i> and <i>Abelmoschus</i> .	Dr. K.V.Bhat/ Prof. S. R.Rao	ICAR/- NAIP Funded by World Bank	26.6
	Characterization of Rhizobia associated with native and wild legumes of North East India with special emphasis on Meghalaya	Prof. S. Rama Rao/ Dr. S.R. Joshi	Department of Biotechnology, Govt. of India	4.4
	Whole genome and transcriptome changes as a consequence of allo and auto polyploidy in <i>Vigna</i> L.	Prof. S. Rama Rao/ Dr. S. Goel, Dr. S.K. Agarwal	Department of Biotechnology, Govt. of India	19.21
	Development of AChE-inhibitor for Alzheimer's Disease: Screening, designing, synthesis and biological validation using chemical library & North-East Indian plants	Prof. K. Aguan	Department of Biotechnology, Govt of India	9.72
	Impact assessment of Jhumming on native plants and soil microbiota and restoration of sustainable Jhum agro-ecosystems in Northeast India	Dr. S.R. Joshi	Department of Biotechnology, Govt of India	21.36



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Bitechnology & Bioinformatics	Collection and molecular characterization of mushrooms form sacred groves of Meghalaya	Dr. S.R. Joshi	Science & Engineering Research Board, DST, Govt of India	11
	Study of anti-diabetic property and the mechanism of action of the wild edible plants available in North East India	Dr. S. Majaw	Science and Engineering Research Board, DST, New Delhi	6
	Protein-protein interface targeted drug designing	Dr. A. Bhattacharjee	DBT, Govt. of India	9.11
Botany	All India Coordinated research project on Reproductive Biology of Four Rare, endangered and Threatened (RET) Tree species namely: Aquilaria malaccensis (Thymeleaceae), Gymnocladus assamcus (Caesalpinaceae), Ilex khasiana (Aquifoliaceae): and Illicium griffithii (Illiciaceae) of North East India particularly in Arunachal Pradesh and Meghalaya	N. Venugopal,	MoEF	41.27
	Preventing Extinction And Improving Conservation Biological Tools, Status Of Threatened Plant Species Through Application Of Biological Tools, DBT	All India Coordinator: S.K. Barik	DBT, New Delhi	33.48
	Functional Characterization of an endosperm specific promoter p1028 from common buckwheat and transfer of Bwleg1 gene coding for the buckwheat 26 kDa lysine rich seed storage protein to rice for nutritional enhancement of its grain proteins.	N. K. Chrungoo/ P. Tandon, Collaborators: S. K. Sopory, JNU/ Ashwani Pareek, JNU		38.97



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Botany	Phytochemical profiling, molecular characterization and conservation of <i>Flemingia vestita</i> : Endemic medicinally important plant of Northeast India.	S. Kumaria/ H. Choudhury, Collaborators: Sunita Shailajan, Herbal Lab., Mumbai	DBT's Twinning programme for the NE.	4.96
	Conservation of some <i>Paphiopedilum</i> species (orchid) of Northeast India through asymbiotic seed germination and cryopreservation	Meera Chettri Das/ S. Kumaria	UGC, New Delhi	8.12
	All India Coordinated research project on sacred grove ecosystem services of Meghalaya	S. K. Barik (All India Coordinator)/ K. Upadhaya	MoEF	49.33
Zoology	Establishment of portal for Indian Bioresource Information Network (IBIN): "BRIC Biodiversity Informatics: Data Capture and Management – III" (for NEHU, Shillong).	Prof. V. Tandon	National Biore-source Development Board of DBT, New Delhi	31.84
	Bio-Informatics Centre (DIC)-w.e.f. 2011	Prof. V.Tandon, Dy.Coordinator	DBT, New Delhi	20
	Molecular characterization of food-borne trematodes and cestodes prevailing in Northeast India.	Prof. V. Tandon	ICMR-ICAR coordinated Joint project on zoonoses	17.01/ per annum
	Molecular characterization in the expression of mRNAs for ornithine-urea cycle enzymes and enzyme proteins, multiple glutamine synthetase genes and signaling cascades under hyper-ammonia stress in the air-breathing walking catfish, <i>Clarias batrachus</i> .	Prof. N. Saha	DBT, New Delhi	69.1



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Zoology	Effects of high environmental ammonia on the expression of multiple glutamine synthetase genes, mitogen-activated protein kinases and Hsp70 in the air-breathing mud eel, <i>Monopterus albus</i> .	Prof. N. Saha	UGC, New Delhi	12.76
	Histopathological and enzymatic studies on toxicity of Cu and Cd in the catfish, <i>Heteropneustes fossilis</i> (Bloch) in relation to pH variation.	Prof. S. N. Ramanujam	UGC, New Delhi	8.62
	Studies on the pharmacological properties of <i>Lysimachia amara</i> and its active component(s).	Prof. B. Roy	UGC, New Delhi	12.79
	Cytotoxic potential of $\alpha$ -viniferin, a natural polyphenolic compound in Swiss albino mice.	Prof. B. Roy	DST, New Delhi	49.58
	Role of kisspeptin and GnIH in regulation of seasonal breeding in the tree sparrow.	Prof. A. S. Dixit	DST, New Delhi	49.59
	Insect hormones and insulin signaling in silkworm, <i>Bombyx mori</i> under fed and starved conditions: a study at molecular level.	Dr. B. Keshan	DBT, New Delhi	55.57
	Comparative proteomic and transcriptomic analyses of PEPCK under the influence of <i>Flemingia strobilifera</i> -derived phytoestrogen (Genistein).	Dr. B. Das	DBT, New Delhi	130.93
	Analysis of molecular signaling proteins and epigenetic factors responsible for regulation of PEPCK expression.	Dr. B. Das (PI and Coordinator)	DBT, New Delhi	58.2
	Epigenetic status of pro/anti apoptotic activity of age-related genes involved in breast cancer.	Dr. B. Das (PI and Coordinator)	DBT, New Delhi	36.23

Table 2.23: Projects in the School of Life Sciences.



## 6. School of Physical Sciences

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Chemistry	Studies on the Synthetic Utility of Selenium Compounds: Development of New Methodologies for C-C, C-X and C-Se Coupling in Organic Synthesis and Preparation of Novel Organo-selenium Intermediates.	B. Myrboh.	CSIR, New Delhi	11.5
	Studies on the Synthetic Utility of Selenium Dioxide: Development of New Methodologies for Carbon-Carbon Coupling in Organic Synthesis and Related Work	B Myrboh	UGC	11.17
	New Synthetic Aspects and Catalytic Study of Late Transition Metal Complexes Bearing Homo- and Hetero-Scorpionates and $\eta$ -Heterocyclic Carbenes as Ligands	K Mohan Rao	UGC	6.6
	Synthesis, Reactivity and Structural Studies of Platinum Group Metal Complexes Containing $\eta^5$ and $\eta^6$ -Cyclichydrocarbons and Multidentate Nitrogen Bases	K Mohan Rao	CSIR	7.5
	Theoretical Studies on the Kinetics, Thermochemistry and Reactivity of Some Selected Radical Reactions of Atmospheric Importance	A K Chandra	CSIR	2.5
	Study of redox potential potential of novel 1,2,4-trioxane nanoparticles and Assessment of their compatibility to radiotherapy	G Bez	BRNS	27.44
	Rational Design, Synthetic Strategies for Developing Organometallic Anticancer Compounds based on Organotin and Organoiron	T S Basu Baul	DBT	52





Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Chemistry	Synthetic and Structural Studies Projected towards Self-assemblies of Extended Schiff Base and Reduced Schiff Base Amino Acetate Skeletons Incorporating Organotin(IV) Moieties and Evaluation of their Cytotoxic Potential	T S Basu Baul	CSIR	20.9
	Synthesis and Characterization of Organotitanium(IV) carboxylates and Evaluation of their Antitumour Properties	T S Basu Baul	UGC	15.3
	UV Light and Transition Metal-Catalyzed Degradation and Mineralization Studies of Some Azo Dyes by Hydrogen Peroxide	M K Sahoo	UGC	30
	Development of AChE-inhibitor for Alzheimer's Disease: Screening, Designing, Synthesis and Biological Validation using Chemical Library and Traditional North-East Indian Plants	S Mitra	DBT	100
	Spectrophotometric Investigation on Model Nitrogen Containing Heterocyclic Drugs and their Interaction with DNA Nucleotides		CSIR	13.5
	Traceless Synthesis of Coumarin, Pyrrole and Polyhydroquinoline Annulated Benzodiazepine, Benzazepine and 5,11-Dihydrobenzo-[e]pyrido[3,2-b][1,4]diazepine-6-one Derivatives	A K Pal	DST	15.12

Table 2.24: Projects in the School of Physical Sciences.



## 7. School of Social Sciences

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Cultural & Creative Studies	Rice Myths of North East India Area Study	Professor D. L. Kharmaw-phlang, Professor S. K. Nanda, and Dr. Lapynshai Syiem	UGC – (under UPE Scheme)	30

Table 2.25: Projects in the School of Social Sciences.

## 8. School of Technology

Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Basic Sc. & Social Sciences	Skill mapping on enhancing employability among final year graduate and post graduate students: (A case study of some selected institutions in Sambalpur and Shillong)	P. Khongji	The Kusuma Foundation, New Delhi in partnership with The Kusuma Trust (UK). Duration: 31.01.2014 to 30.09.2014.	1.5
Biomedical Engineering	Design of Smart FES System for Physically Challenged Person from 2012- 2014	Dr. Dinesh Bhatia/Dr. Suresh Verma, DCR University, Murthal, Haryana	(DST), Ministry of Science and Technology, Govt. of India	42.91



Department	Name of the Project	Name of the PI(s)	Funding Agency	Total grant in Lakh ₹
Electronics and Communication Engineering	Development of Prosaically Guided Phonetic Engine for Searching Speech Databases in Indian Languages	L. J. Singh/ S. K. Dutta	Department of Electronics and Information Technology (Deity), Govt. of India, New Delhi.	30.015
	Development and Deployment of Speech based Multi-Level Person Authentication System	L. J. Singh/ F. Pyrtuh	Department of Electronics and Information Technology (Deity), Govt. of India, New Delhi.	57.03
	NPMASS MEMS Design Centre (National Centre)	Co-ordinator: L. J. Singh	IISc., ADA, GoI	NA
Information Technology	QoS provisioning in Wifi based Long Distance Wireless Networks for Hilly Terrain Areas	I. Hussain, S. K. Dutta	DeitY, GoI	67.08
Nanotechnology	Study particle size effect and role of sensitizers in the luminescence emission of nanoparticle oxide phosphors	L Robindra Singh	UGC	6
	Preparation And Study On Effect/ Role Of Sensitizers On The Photoluminescence Properties Of Lanthanide Doped Gd <sub>2</sub> O <sub>3</sub> And Y <sub>2</sub> O <sub>3</sub> Nanocrystals: Dispersion In Organic Solvents	L Robindra Singh	DST	23
	Characterization and investigation of luminescence properties of Zn <sup>2+</sup> and sulphate based nanophosphors doped with lanthanide and metal ions for the feasibility on luminescence dosimetry application	L Robindra Singh		25

Table 2.26: Projects in the School of Technology.



3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

In terms of attracting corporate/industry, the university is lagging behind in comparison to institutes in other part of the country. The only project we have from industry is from Lafarge Umiam Mining Pvt. Ltd. of Rs 27.5 Lakh valuation.

3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-Special Assistance Programme (SAP), Centre of Advanced Study (CAS); Department with Potential for Excellence (DPE); Department of Science and Technology (DST)-Fund for Improvement of Science & Technology Infrastructure (FIST); Department of Biotechnology (DBT), ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Many departments of the university have been recognized for their research activities by national agencies such as UGC-SAP, CAS; DPE; DST-FIST; DBT, etc. The List of departments currently having such recognitions is tabulated below. The outcomes from such recognitions are significant in terms of increments in research output by the departments in recent years and greater numbers of applicants for admission into research and post graduate courses.

UGC-SAP	07	CAS	02	DST-FIST	05
DPE	00			DBT Scheme/funds	03

Department	UGC-SAP	UGC-CAS	DST-FIST	DPE	DBT Schemes/funds	Others
Biochemistry	✓	-	-	-	-	-
Biotechnology & Bioinformatics	-	-	✓	-	✓	-
Botany	-	✓	-	-	-	-
Chemistry	✓	✓	✓	-	-	-
Electronics and Communication Engineering	-	-	-	-	-	✓
Geography	✓	-	✓	-	-	-
History	✓	-	-	-	-	-
Information Technology	-	-	-	-	-	✓
Mathematics	✓	-	✓	-	-	✓



Department	UGC-SAP	UGC-CAS	DST-FIST	DPE	DBT Schemes/funds	Others
Political Science	✓	-	-	-	-	-
Rural development & Agricultural Production	-	-	-	-	✓	-
Sociology	✓	-	-	-	-	-
Statistics	-	-	✓	-	-	-
Zoolgy	-	-	-	-	✓	-

Table 2.27: Projects in the School of Technology.

### 3.2.6 List details of :

- (a) Research projects completed and grants received during the last four years 2010-2014 (funded by National/International agencies):

Most of the Departments in the University have on-going research projects sponsored by various National and International funding agencies. The status report on major projects is given briefly departmentwise with information on the name of the departments, the faculty involved, title of the project, the nature of sponsors and the financial outlay are presented below:

Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Anthropology	Body composition in relation to obesity and associated factors among adolescence in two geographical areas: A comparative study	R. Khongsdier	UGC	12.25
Commerce	Capital Structure and Sustainability: An Empirical study on Indian Micro Financing Institutions	Dr A. P. Pati	UGC Major Research Project	6
Biochemistry	Diatery and hormonal modulation of protein carbonylation in mice as a function of age	R. Sharma	UGC	9.51
	Biodosimetry studies using cytogenetic gene expression profiles in human peripheral blood lymphocytes exposed to g-radiation ex vivo	R N Sharan	BRNS	40
	Studies on Biomodulators of Glucocorticoid Receptor in Mice	Prof. R. Sharma	DST, New Delhi	21



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Biochemistry	Biodosimetry Studies using Cytogenetic and Gene Expression Profiles in Human Peripheral Blood Lymphocytes Exposed to Gamma Radiation ex vivo	Prof. R. N. Sharan/ Dr. L. Kma	BRNS, Department of Atomic Energy (DAE), Mumbai	43
Biotechnology & Bioinformatics	Microlimatic characterization of microbial community form Cherapunji and adjoining sacred groves of Meghalaya	S R Joshi	DIT, GOI	NA
	Characterization of Metal tolerant microbes fromm WakhynpDomiasit area of Meghalaya	S R Joshi	BRNS	NA
	The use of biodiversity as a source pf new chemical entities against defined molecular targets for treatment of tuberculosis	A Bhattacharjee	DBT	NA
	Exploration and germplasm collection of Citrus from the North Eastern India and characterization of genetic variability using cellular and molecular approaches	Prof. S. Rama Rao (PI), Prof. M.S. Bisht (Co-PI)	UGC, New Delhi	NIL
	Development of antiepileptic drugs: based on molecular physiology of epilepsy causing gene EFHC1 and Ayurvedic remediation	Prof. K. Aguan	DBT, Govt of India	86.4
	Development of web-based microbial database (bacteria, fungi and actinomycetes) of North-East India	Dr. S.R. Joshi	DEIT, GoI	270.3
	Isolation, characterization and anti-cancer property of endophytic fungal metabolites from North-Eastern India	Dr. S.R. Joshi	DBT, Govt of India	43.57
	The use of biodiversity as a source of new chemical entities against defined molecular targets for treatment of tuberculosis	Dr. A. Bhattacharjee	DBT, Govt. of India	3.24



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Biotechnology & Bioinformatics	Study of the microbiology and biochemistry of Tungrymbai - a fermented soybean Food of Meghalaya	S R Joshi	DBT	
Botany	Conservation of panax species in North-east India: characterization of niche and genetic variability mapping of potential distributional area, establishment of field gene bank and micropropagation	S K Barik	DBT	
	Studies on diversity and productivity of algale communities from some selected streams of Meghalaya and effect of various anthropogenic activities	P Ramanujam	UGC	
	Development of molecular markers for characterization of accessions of buckwheat and quinoa, two important underutilized crops from indian Himalayas	N K Churungoo	DBT	
	DBT Mission for quality planting material production and utilization for the North-East	P Tandon/ S K Barik	DBT, New Delhi	NA
	Micropropagation of <i>Nardostachys grandiflora</i> and <i>Malaxis wallichii</i> -Two threatened medicinal plants of Northeast India.	P. Tandon/ S. Kumaria, H. Choudhury	DBT	6.81
	Establishment of Rural Bioresource Complex in north-east India	Coordinator: P. Tandon/ S. K. Barik(PI)	DBT	33.16
	Micro propagation of some medicinally important orchids of North-East India	S Kumaria	UGC	
	Species recovery programme for <i>Nepenthes kasiana</i> , <i>Mantisia spathulata</i> , <i>Mantisia wengeri</i>	P Tandon	DBT	



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Botany	Studies n forest fragmentation and its impact on population ecology of threatened and ethnomedicinal plant species of Khanchendzonga Biosphere Reserve	S K Barik	MOEF	
Chemistry	Studies on fluoride contamination of drinking water in the region and development of a cost effective method for defluoridation using indigenous materials	K Ismail	Defence Research Development Organisation (DRDO)	NA
	Spectroscopy and dynamics of photo induced processes in homogenous and biomimetic environment	S Mitra	UGC	NA
	Comparative studies on degradation and mineralization of some azo dyes by radiolysis and photolysis	M K Sahoo	BRNS	NA
	Construction and multisite commissioning multiple fluorescence correlation spectrometers (a single molecule biophotonic tool)	S Mitra	DIT, GOI	
	Florescence studies on representative intramolecular photo processes in homogeneous and continued environment	S Mitra	BRNS	
	Counterion binding interfacial property correlation for AOT micelles	K Ismail	DST	
	Solid phase intramolecular Wittig reaction using novel triphenyl phosphines: a study on synthesis of macrocyclic library	G Bez	DST	
Economics	Empowerment of women in rural ares: A comparative analysis of Tripura, Meghalaya and Jharkhand	U K De	ISI	





Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Economics	Procurement and analysis of survey data: Identifying districts in NSS and ASI microdata over time	V Pala	Asian Development Bank	
	Appraisal and impact assessment of MGNREGA in Assam	UNDP	B Panda	
	Growth, Composition and determinants of rural non-farm employment in North-east India	V V Giri National Labor Institute	B Panda	
	Socila structure and education and employment achievements : a study of disparities across different social groups in India during 1983-2005	V Pala	Indian Institute of Dalit Studies	
	Costs and Benefits of Protection: A Case Study of Kaziranga National Park.	Dr. D. Das	UGC	3.27
	Gender Issues in Rural Meghalaya .	Dr. V. Pala	International Fund for Agricultural Development, Rome	0.35
	Valuation of some tourist sites in Khasi hills of Meghalaya	U K De	UGC	7.99
	Determinants of post higher secondary enrolment in India during 1993-93 to 2009-2011	V Pala	Indian Institute of Dalit Studies	NA
Education (Tura)	Social structural and Educational and Employment Achievement	V Pala	Indian Institute of Dalit Studies	NA
	A study on teaching practices at lower primary schools in rural areas of West Garo hill s Districts of Meghalaya	S C Subudhi	ICSSR-NERC	0.6
	Educational Facilities and Mental Health of Physically Challenged and Normal children in integrated educational settings of North-East States of India	Dr. S.C. Subudhi	ICSSR, New Delhi	5.75



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Education (Tura)	Study of Classroom Management Ability among Lower Primary School Teachers Teaching at Multi-grade Settings in West Garo Hills District of Meghalaya'	Dr. S.C. Subudhi	ICSSR, NERC, Shillong	0.6
	Teachers personal values and Teaching competency as an agenda towards secondary education of Garo Hills region of Meghalaya	S C Nikme	UGC	4.70
	Maladjusted adolescent of Meghalaya and Need for guidance and counselling service: A cross cultural Analysis	S C Nikme	ICSSR, New Delhi	2.9
	A study of implementation of Saakshar Bharat programme and its impact on female literacy in West Garo hills districts of Meghalaya	S C Nikme	UGC	0.62
	Educational facility and mental health of physically challenged and normal children in integrated educational settings of North East states of India	S C Subudhi	ICSSR	5.75
	A study on the implementation of Saakshar Bharat Programme (SBP) and its impact on female literacy in West Garo hills districts of Meghalaya	S V Madhusudhan	State Resource Centre, Shillong	0.67
Electronics and Communication Engineering	NPMASS programme to establish NPMASS MEMS Design Centre (National Centre),	Coordinator: L. J. Singh	ADA, GoI, National Coordinator: IISc.	NA
	Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages	L. J. Singh/ S. K. Dutta	DeitY, GoI	30.015
	Development and Deployment of Speech based Multi-Level Person Authentication System	L. J. Singh/ Fidalizia Pyrtuh	DeitY, GoI	57.03



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Electronics and Communication Engineering	High performance polymer single wall carbon nanotube composites for potential applications to space electronics	S Chaudhury	AICTE	
Environmental Studies	Quantification and characterization of solid waste and sewage for the Shillong urban agglomeration area	D Paul	Mott Mc-Donanld	8.99
	Age, Sr-Nd and Pleomagnetic studies on alkaline complexes from Assam nad Meghalaya, North Eastern India	D Walia	DST	
	Landslide mapping/Erosional aspects, vulnerability and risk assessment of Shillng urban area with special reference to Umsing microwatershed	D Walia	DST	
	Remediation of soil affected by coal mining in Jainitia hills	D Paul	UGC	NA
	Meagenomics of gut microflora implicated in cellulose digestion	D Paul	NEC	NA
	Implication of faunal grazing on available soil Nitrogen in Forests and agroecosystems of Meghalaya	D. Paul	UGC	10.6
	Magnetotelluric Studies in NE India	Devesh Walia	MoES, New Delhi	113
Geography	SWADHAR Scheme, Dept of Women and Child welfare	A C Mohapatra	MHRD	
History	Technology of the tribes of north east India with special reference to Arunachal Pradesh	A K Thakur	NSA, New delhi	NA
	Studies on effect of in situ rain water harvesting technique on field establishment and growth of Mandarin orange and Guava Sapling in West Garo Hills of Meghalaya	B Mathew	UGC	
	District planning under backward regions grant fund	S C Srivastava	National Institute of Rural devel-opment, Hyderabad	



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
History	Comprehensive district agricultural planning for Garo Hills	S C Srivastava	National Institute of Rural development, Hyderabad	
Information Technology	Development of New Algorithm for Variable Key Cryptosystem	Dr. Bubu Bhuyan/ Dr. Swarup Roy	DIT, GOI.	23.78
Linguistics	Research in Tibet-Burman and Austro-Asiatic Languages in NE India-Phase I	J war		30
	Digital language map of North-east India	J War	NEICOD	1.8
Management	Evaluation of Entrepreneurial Motivation Process– A cross cultural Perspectives of North East India	Prof. G. Singaiah	University Grants Commission, New Delhi	7
	Performance of commercial banks in india: The profitability and productive efficiency	J U Ahmed	ICSSR	
	Socioeconomic outcomes of microfinance intervention: A study on women microfinance clients of Meghalaya	B F Lyngdoh	UGC	
Physics	EXFOR compilation of nuclear data	B Jyrwa	BRNS	NA
	Radon monitoring in ground water of the north eastern India region to study neotectonic activities and health hazards	A Saxena	BRNS	NA
	EXFOR Compilation of Nuclear Data	Prof. B. Jyrwa	BRNS, DAE	8.16
	Study of Transport Properties in Driven Periodic Systems	Prof. M. C. Mahato	BRNS, DAE	7.8
Rural Development and Agricultural Production	SDS-PAGE Characterisation of indigenous germplasms of Cho-Cho and Jackfruit in Garo Hills of Meghalaya	Dr. Binu Mathew	UGC, New Delhi.	10.71
	Study on morphological and biochemical properties of citrus reticulata grown in the Garo Hills of Meghalaya	Dr. Lolly S. Pereira	University Grants Commission, New Delhi.	1.85



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Science Education	Development of Processing Techniques for Preserving Juvenile Shoots of Nutritionally Rich Bamboos of sub-Himalayan and North-Eastern Region of India	Prof. M. S. Bisht (Co-PI)	Ministry of Food Processing Industry, New Delhi	13.3
	Novel Plant Genotypes for Predicted Climate Change	Prof. M. S. Bisht (PI)	UGC New Delhi	7.07
	Exploration and Germplasm Collection of Citrus from the North-East India and Characterization of Genetic Variability Using cellular and Molecular Cytogenetical Approaches	Prof. M. S. Bisht (Co-PI)	UGC, New Delhi	-
Statistics	Comparative studies on selected forest sampling techniques with satellite remote sensing inputs	G Das	Dept of Space, GOI	
Zoology	Status of amphistomiasis and molecular taxonomy of amphistome parasites in mammalian livestock in North East India	V Tandon	DBT	26
	role of proximate factors in timing the seasonal breeding in Passeriformes finches of North East	A S Dixit	DST	37.96
	Molecular aspect of stress endocrinology: Cross-talk between signaling molecules and gene expression in fat body and ovary following temperature stress in silk worm, Bombyx mori	B Keshan	DST	17.05
	North East parasite Information and analysis centre	V Tandon	DIT, GOI	NA
	Icthyofunal diversity and studies on the biology of some indigenous ornamental fishes of Meghalaya	S N Ramanujam	MOEF	16.63
	Studies on health status and demographic pattern of population around Domiasiat area, West Khasi hills, Meghalaya	B Kharbuli	BRNS	30



Department	Name of the Project	Name of the PIs/ Co-PIs	Funding Agency	Total grant in Lakh ₹
Zoology	Physiological significance of occurrence/expression of different types of nitric oxide synthesis and production of nitric oxide under environmental constraints and pathological conditions in catfish	N Saha	DST	23.77
	Expression and tissue distribution of different isoforms of nitric oxide synthesis and production of nitric oxide under environmental constraints in air breathing catfish, <i>Clarius batrachus</i>	N Saha	UGC	5.62
	Next generation sequencing and genome information of parasite biodiversity of medico-veterinary significance in North-East India	Prof. V. Tandon	DBT (2011-2014)	78.8
	Influence of hyper-ammonia stress on the expression of multiple glutamine synthetase genes, mRNAs for ornithine-urea cycle enzymes and mitogen activated protein kinase in air-breathing catfish, <i>Heteropneustes fossilis</i> .	Prof. N. Saha (PI)	DST, New Delhi (2010-2013)	38.5

Table 2.28: List of department-wise funded projects.

(b) Inter-institutional collaborative projects and grants received:

Many faculties of the university have collaboration with various national and international institutes of repute. The linkage promotes Curriculum development, Internship, On-the-job training, Faculty exchange and development, Research, Consultancy, Extension, Publication, Student Placement.. The linkages due to collaborative research avenues help in undertaking high quality research particularly with the specialized Research Centres in India and abroad. Visits to such institutions by the faculty help them get an idea about the courses offered by these institutions which are helpful during revising our own courses. In such collaborations, exchange program takes place for student researchers as well which opens up their horizon towards research culture and knowledge. Some such research students get placements in collaborating institutions after completion of their Ph.D. Several collaborative programmes have



built in mechanism of faculty exchange which provides exposure to the faculty and also opportunity of working in internationally renowned institutions. In fact many of our Ph.D. alumni working abroad are result of such fruitful collaborations. Some of the joint collaborations have resulted in high quality research publications. Most of the university departments are actively engaged in academics as well as R& D activities. Given the emphasis on multidisciplinary research to bring the research output to the door of common people, it is common endeavour for most of the faculties to outreach other centre of excellence on academics and research India as well as abroad. Such result afforded huge amount of linkages of the University with many institutes of repute, as delineated below:

(i) All India collaboration

Name of the Faculty	Funding agency	Total grant in Lakh ₹
A. Bhattacharjee	DBT	57.11
A. Chatterjee	DBT,DST,DRDO	135.15
Amarat K. Pal	DBT	15.12
B. M. Jyrwa	BRNS, DAE	8.16
B. M. Jyrwa	BNRS, DAE	24.00
Dinesh Bhatia	DBT	36
G. Bez	DAE-BRNS	27.44
K. Aguan	DBT	96.12
L. J. Singh/ S. K. Dutta	DeitY (with IIITH, IITKgp, IITK, IITH, IITG, TU, RITK, SITT, ThU, DA-IICT)	30.015
L. J. Singh/ Fidalizia Pyrtuh	DeitY (With IITG, NITS)	57.03
M. K. Sahoo	DAE/BRNS Mumbai.	27
M. S. Dkhar, H. Kayang Collaborators: N.K. Dubey (PI) (BHU); Richa Raghuwanshi (Co-PI) (BHU)	DBT, New Delhi (Twinning Project for NER, 3 years w. e. f. March 2014)	59.35
N. K. Chungoo, PI; Collaborator: P.M. Ravi, BARC, PC	DAE-BRNS	28.67
R. N. Sharan	BRNS, Mumbai in collaboration with IIT, Jodhpur	25
S. Khatua	DAE/BRNS	27.6
S. Kumaria (PI), H. Choudhury Collaborators: Sunita Shailajan Herbal Lab., Mumbai	DBT, Government of India	11.11
S. Kumaria (PI), M. C. Das, H. Choudhury Collaborators: Sunita Shailajan Herbal Lab. Mumbai	DBT's Twinning programme for the NE.	7.75
S. Mitra	DAE-BRNS	100
S. Majaw	DST,DBT	68.7
S. R. Joshi	DIT, NEC, DBT, DAE, OIL	444
S. R. Rao	NAIP/ICAR, UGC, DBT	376.5
T. S. B. Baul	BRNS	52

Table 2.29: All India Research Collaborations.



## (ii) International Collaboration

Name of the Faculty	Funding agency	Total grant in Lakh ₹
N. K. Chrungoo/ I. Kreft (Slovenia)	Indo-Slovenian Science and Technology Cooperation	3.84

Table 2.30: International Research Collaborations.

### 3.3 Research Facilities

3.3.1 *What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?*

The University is known for state-of-the-art infrastructure created over time from grants from DST-FIST, UGC-SAP, UGC-CAS, UPE, etc. Most of the science departments are equipped with world class facilities to conduct high quality research. Moreover, the SAIF has many high end equipments to cater the needs of the university. Moreover, Departments are free to allocate money for analytical services from other national institutes of repute.

3.3.2 *Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.*

Basically, the UGC-INFLIBNET is the primary Information Resource Centre to cater to the needs of researchers. The university allocates grants to the departments to purchase books and journals which are not available through INFLIBNET.

3.3.3 *Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?*

University does not have USIC, but as mentioned earlier it has the SAIF which caters the needs of the research. The facility is available for the researchers from the university with highly discounted rate.

3.3.4 *Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?*

The university does not provide computers in residential facilities but does provide internet facilities through Wireless Fidelity (Wi-Fi).





3.3.5 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

No

3.3.6 Does the university have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

As such, the University does not have any specialized centre for research as most of the research activities are carried out in the departments only. Two Departments are recognized as Centre for Advanced Studies by UGC namely, Centre for Advanced Studies in Chemistry and Centre for Advanced Studies in Botany.

### 3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

University has been publishing a multidisciplinary research journal called *The NEHU JOURNAL* having ISSN number 0972-8406 since 2003. Prof. T. B. Subba was the founder Editor of the Journal.

The NEHU Journal is internationally refereed and published bi-annually (January-July) by the North-Eastern Hill University Publications, Shillong and is indexed in the guide to Indian Periodical Literature. The focus of the journal is on India's North-East and countries bordering it. Editorial Board Members during the year 2009 - 2014 are:

2009 - 2013	Editor	:	Professor T. B. Subba
	Assistant Editor	:	Shri Bedarius Shylla
	Editorial Advisory Board Members	:	Professor A. C. Mohapatra, Department of Geography, NEHU, Shillong Professor R. Khongsdier, Department of Anthropology, NEHU, Shillong Professor N. M. Panda, Department of Commerce, NEHU, Shillong Dr. Sukalpa Bhattacharjee, Department of English, NEHU, Shillong Dr. Amena Nora Passah, Department of History, NEHU, Shillong Professor Arvind Misra, Department of Botany, NEHU, Shillong Professor K. Ismail, Department of Chemistry, NEHU, Shillong



2013 - 2014	Editor	:	Professor H. Srikanth
	Assistant Editor	:	Shri G. Umdor
	Editorial Committee Members	:	Dr. A. K. Chandra, Department of Chemistry, NEHU, Shillong Dr. A. K. Thakur, Department of History NEHU, Shillong Dr. A. P. Pati, Department of Commerce, NEHU, Shillong Dr. Geetika Ranjan, Department of Anthropology, NEHU, Shillong Dr. Jyotirmoy Prodhani, Department of English, NEHU, Shillong Dr. Uma Shankar, Department of Botany, NEHU, Shillong

### 3.4.2 Give details of publications by the faculty:

\* *Number of papers in Peer Reviewed Journals (national / international)*

As premier university of the country, publication of research papers by the faculties in various departments in refereed journals are only a routine. The faculty of University publishes hundreds of research papers in various highly reputed national and international refereed journals annually. The list of publications of all the faculty members of past five years will run into several pages. The university has been able to promote high quality research and has been able to inculcate the habit of publishing in high quality journals and standard books by encouraging them to take sponsored research projects and foster linkages with other institutions of higher research. This practice has paid rich dividends. For example, many departments are recognised under UGC-SAP and DST-FIST programme. The University has pride herself for being part of University with Potentials of Excellence programme by UGC. In order to give an idea of research output, of faculty, publications during past one year (2013-14) are listed below:

(i) Department of Adult and Continuing Education

- i. B. P. Sahu (2014). Problems and prospects in implementation of Swarnajayanti Gram Swarozgar Yojana in Haryana. *Research on Humanities and Social Sciences*, ISSN (Paper) 2224-5766 ISSN, 2014 (Online) 2225-0484 (Online) [www.iiste.org](http://www.iiste.org) Vol. 4, No. 5.
- ii. B. P. Sahu (2013). National rural health mission in Meghalaya: A review of past performance and future directions. *Journal of Juridical and Social Science*, 3: 39-46.
- iii. B. P. Sahu (2013). Coal mining in Jaintia Hills District of Meghalaya: Work management and impact of mining”, *BSSS Journal of Social Work*, 1: 126-143.
- iv. B. P. Sahu (2013). Working of ICDS in East Khasi Hills District of Megha-



- laya: An evaluation study. *Journal of Juridical and Social Science*, 1: 52-74.
- v. B. P. Sahu (2014). A study of educational status of Mon District in Nagaland", *Edu Explorer*, 1: 67-83.
- (ii) Centre for Science Education
- (1) Chongtham, N., Bisht, M. S., Premlata, T. (2013). Germplasm evaluation in bamboos: from chromosomes to molecular markers. *Plant Cell Biotechnology and Molecular Biology* 14: 115-127
  - (2) Patra, P. K., Kumar, S. (2013). General expressions for deflection, strain energy and upper bound on the load of a cantilevered carbon nanotube. *Journal of Computational and Theoretical Nanoscience*, 10: 2732-2736.
  - (3) Chongtham, N., Bisht, M. S., Laishram, M. (2013). Bioactive compounds in bamboo shoots: health benefits and prospects for developing functional foods. *International Journal of Food Science and Technology*, doi.10.11.11, 12470 (online).
- (iii) Department of Education
- (1) Rai, D. & P. K. Gupta (2013). Study Habits of Class X Students- A Study of Sikkim State. *Education: North East* (Journal of North East India Education Society, Shillong) 17: 71-75.
  - (2) Gupta P. K & Bankitlang L.P. (2014). An Experimental Study to Enhance the Mathematical Ability of Class VII Students. *Journal of Recent Educational & Psychological Researches*, 3: 12-15.
  - (3) Nongkhlaw, S & Nongbri, C., (2013). An Analysis of MBOSE Syllabus Question Paper at the Higher Secondary Examination, Education North East (Journal of North East India Education Society, Shillong) 17: 80-87
  - (4) Nongbri, C. (2013). Child Friendly Classroom. *Education: North East* 17: 65-75
  - (5) Syiem, I. S. (2013). Status and Problems of the Aged in Shillong Town-Meghalaya. *Journal of International Academic Research for Multidisciplinary* 1: 461-465
  - (6) Syiem I. S. (2013). River Wah Umkhrah in Shillong: Encroachment and Consequences. *Journal of International Academic Research for Multidisciplinary*. 1: 272-276
  - (7) K Rymbai B. B. (2013). Issues and Challenges of Implementing CCE. *Education: North East* 17: 1-8.
  - (8) K Rymbai B.B (2013) Determinants of Personality Disorders *Education: North East*. 17: 1-5.
  - (9) Rymbai R. (2013). Teachers: Leaders in Making. *Education: North East* 17: 27-36.
  - (10) Rymbai R. (2013). Training in Scientific Method: An Aim of Science Teaching. *Education : North East* 17: 37-42.



- (11) K Rymbai B. B. (2013). Environmental Ethics and Education. *Education Plus: An Inter-national Journal of Education and Humanities* 2: 125-128.
- (12) K Rymbai B. B. (2013). Status of Working Women in Indian Society-Issues, Challenges and Problems. *International Journal of Educational Research and Administration* 3: 1-4.
- (13) K Rymbai B B. (2013). Opportunities and Possibilities of Sustainable Education through Human Rights. *International Journal of Educational Research and Administration* 4:1-4.
- (14) K Rymbai B. B. (2013) Status of Elderly in Society. *Journal of Education and Welfare* 2 (1).
- (15) K Rymbai B. B. (2013). Towards Quality Assessment in Higher Education. *Journal of Education & Humanities* 2: 222-230.
- (16) Vandana & Kushwaha, M. (2014). Walking on Tight Ropes – Balancing between Islamic and Modern Worldview: An Ethnographic Study of Girls Madarsa. *Global Journal of Multi-disciplinary Studies* 3: 260-280.
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- (21) Subudhi, S.C. (2013). Role of private sector investment in education of Meghalaya. *Pedagogy of Learning: An International Journal of Education*. 1: 57-62.
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- (23) Momin, N.S.C, (2013). Insufficient support system in schools of Meghalaya: A case study. *SOURCE: A Journal of Humanities and Social Sciences*. 3: 98-10.
- (24) Subudhi, S.C. (2013). Free Food Facility at Elementary Schools: Towards Rural Educational Empowerment in Meghalaya. *Anweshan; Journal of Education*. Vol- II, No. 2: 55-60.
- (25) Madhusudan. J.V., (2013). Secondary Education in three Major States of North-Eastern Region of India. *A Peer Review Journal of Humanities and*



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- (26) Momin, N. S. C., Madhusudan. J.V (2013). Extension Education for Quality Orientation in Higher Education. *Education North-East (Journal of the North-East India Education Society)*. 17: 6-10.
  - (27) Madhusudan. J.V., (2013). Schooling according to Household Wealth Index for the selected States of India. *Education India (A Quarterly Journal of Dialogue on Education)*. 2: 268-277.
  - (28) Madhusudan. J.V., (2013). Education of Adolescents in the Empowered Action Group States. *Asian Academic Research Journal of Social Sciences and Humanities*. 1: 233-242.
- (iv) Department of Commerce
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- (1) Barath Nataraj (2013). Book Review on "The Silent Raga". *Man and Society*.10: 160-163
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  - (3) Majumdar, Munmun. (2013) "Issue of South China Sea: An Assessment". *OUCIP Journal of International Studies*, 1: 99-114.
  - (4) Majumdar, Munmun. (2013) "Positioning Myanmar in India's Look-East Policy". *FPRC Journal (Focus: India-Myanmar Relation)*, July 2013(3) ISSN 227-2464, pp.218-232.
  - (5) Majumdar, Munmun. (2013) "Engaging Myanmar and Thailand through India's Look-East Policy". *Journal of International Academic research for Multidisciplinary (online)*, 1: 245-252.
  - (6) Majumdar, Munmun. (2013) "Election in Myanmar: Will Myanmar's Fortune Change". *The Indian Journal of Political Science*, 74: 271-278.
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- (9) Mohapatra, Biswajit. "Leadership Change in China – Implications for Sino-Indian Relations". *Diplomatist, Special Supplement, The China Decade*, May 2013, pp. xxviii-xxix.
  - (10) Mohapatra, Biswajit. "IOR-ARC, the Dialogue Partners and the Emerging Regional Comprehensive Economic Partnership". *Diplomatist*, July 2013, pp. 18-21
  - (11) Mohapatra, Biswajit. Indian Diaspora in Ghana – Their Role and Perceptions. *Diplomatist*, July 2013, p 98.
  - (12) Mohapatra, Biswajit, "G-8 Summit 2013 – Agenda & Outcome – Syria and North Korea Dominate". *Diplomatist*, July 2013, p 15
  - (13) Mohapatra, Biswajit., "India Prudent FDI Policy: Attraction for Thai Investments". *Diplomatist*, August 1, 2013 - Special Report, India-Thailand, 2013, commissioned by Embassy of India in Thailand, Bangkok, pp. 14-15
  - (14) Mohapatra, Biswajit., "Local Self Governance and People's Empowerment – Challenges and Perspective" *Indian Journal of Public Administration*, 59: 824-831.
  - (15) Mohapatra, Biswajit., "India's Look East Policy and Development of North Eastern India – Priorities and Prospects". *Search*, (ISSN: 0974-5416), January 2014, pp.65-70.
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  - (18) Bijukumar, V., (2013) "Social Exclusion and Ethnicity in Northeast India". *The NEHU Journal*, 9: 19-35.
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- (xxxiv) Department of Sociology
- (1) Nongkynrih, A.K. (2013). Social science research In northeast India: The position of sociology. *The NEHU Journal*.2:1-18.
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(xxxv) Department of Biomedical Engineering

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- (7) Godiyal, A. K., Sharma, R., Joshi, D., Bhatia, D. (2013). Feasibility of facial EMG in gender classification during speech production. *Journal of Medical Engineering and Technology*, 37: 86-90.
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(xxxvi) Department of Basic Sciences & Social Sciences

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- (4) Khongji, P. (2013). Levels and trends of infant and child mortality in Meghalaya (Results of life table and Hazard analysis), *Journal of North East India Studies*. 3: 1 – 14.

(xxxvii) Department of Electronics and Communication Engineering

- (1) Arya, S. C., Pyrtuh, F., Swarnakar, S. (2013). Electronics Engineering with Green Features. *Journal of Electronic Design and Technology*, 2: 1-5 (ISSN: 2229-6980).
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- (5) Sarkar, P., Rakshit, I., Adhikari, S., Pal, M. and Ghatak, R. (2014). A band notch UWB bandpass filter using dual-stub-loaded multimode resonator with embedded spiral resonator *International Journal of Microwave and Wireless Technologies*, 6: 161–166.

(xxxviii) Department of Energy Engineering

- (1) Bharali, P., Saikia, J. P., Paul, S., Konwar, B. K. (2013). Colloidal silver nanoparticles/ rhamnolipid (SNPRL) composite as novel chemotactic antibacterial agent. *International Journal of Biological Macromolecules* 61, 238-242.





## (xxxix) Department of Information Technology

- (1) Chowdhury, T., Choudhary, A., Patwari, P., Saha, G. (2013). Rules mining for the diagnosis of Breast Adenocarcinoma using rough set theory. International Journal of Advanced Technology & Engineering Research 3: 14-21.
- (2) Ahmed, R., Hussain, I. (2013). An Empirical Analysis on Correlates of Information Technology, Business Process Reengineering and Organizational Culture. International Journal of Applied Management Research. 1: 75-99.
- (3) Maji, A. K., Jana, S., Pal, R. K. (2013). An Algorithm for Generating only Desired Permutations for Solving Sudoku Puzzle. Procedia Technology Journal, 10: 392-399.
- (4) Mandal, S., Saha, G., Pal, R. K. (2013). Reconstruction of Dominant Gene Regulatory Network from Microarray Data Using Rough Set and Bayesian Approach. Journal of Computer Science and System Biolog. 6(5):262-270.
- (5) Kumar, D., Kandar, D., Sarkar, C. K. (2013). An Effective Approach of Various Routing Mechanisms to Optimize the MANET and VANET Performance. European Academic Research 1: 1073-1082.
- (6) Maji, A.K., Roy, S., Pal, R.K. (2013). A Novel Algorithmic Approach for Solving Sudoku Puzzle in Guessed Free Manner. European Academic Research. 1: 1126-1154.
- (7) Maji, A.K., Jana, S., Roy, S., Pal, R.K. (2014). An Exhaustive Study on different Sudoku Solving Techniques, International Journal of Computer Science Issues 11: 247-253.

## (xl) Department of Computer Applications

- (1) Halder, A. (2013), Semi-supervised landuse map generation from remotely sensed images of Kolkata, In Proceedings of the UGC sponsored National Seminar on Contemporary Issues on Environment & Development in India and Adjacent Countries. S. Majumdar (ed.), ISBN:978-81-92847-2-9, p. 82-90.
- (2) Halder, A., Dey, S., Kumar, A. (2014), Active learning using fuzzy k-NN for cancer classification from microarray gene expression data, In Proceedings of the National Workshop on Advances in Communication and Computing (WACC).
- (3) Halder, A., Ghosh, S., and Ghosh, A. (2013), Aggregation pheromone metaphor for semi-supervised classification". Pattern Recognition, 46: 2239-2248.
- (4) Halder, A., Mishra, S. (2014), Semi-supervised fuzzy K-NN for cancer classification from microarray gene expression data, In Proceedings of the 1st International Conference on Automation, Control, Energy and Systems. IEEE Computer Society Press.

\* *Monographs* : 234



- \* *Chapters in Books* : 855
- \* *Books edited*: 116
- \* *Books with ISBN with details of publishers* : 112  
*Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)*

School	Department	No. of Book Published	
		With ISBN	Without ISBN
Economics, Management etc.	Commerce	03	-
	Economics	10	-
	Management (Tura)	03	-
	Tourism & Hotel Management	05	-
Education	Adult & Continuing Education	09	-
	Education	05	-
	Education (Tura)	04	-
Human and Environmental Sciences	Anthropology	03	04
	Environmental Studies	-	-
	Geography	01	01
	Rural Development & Agricultural Production	01	07
Humanities	English	13	-
	English (Tura)	06	-
	Garó	-	10
	Hindi	09	02
Humanities	Khasi	04	02
	Linguistics	04	05
	Philosophy	04	08
Life Sciences	Biochemistry	03	03
	Botany	-	06
	Zoology	01	01
Physical Sciences	Chemistry	01	-
	Mathematics	03	-
	Physics	01	-
	Statistics	02	01
Social Sciences	History	01	07
	Political Science	05	03
	Cultural & Creative Studies	-	01
	History & Archaeology	06	01
	Sociology	-	02
Technology	Law	04	-
	Basic Sc. & Social Sciences	-	02
	Biomedical Engineering	01	-

**Table 2.31:** *Number of books listed in International Database.*

*Since the list of books will run into many pages, the book published in the year*



2013-14 are given below:

- (1) Momin, N. S. C., Madhusudan. J. V. (2014). Prospects and Issues Concerning Education at Secondary Level. Manas Publishers and Distributors, Jaipur, Rajasthan. ISBN: 978-81-921743-8-9.
- (2) Momin, N.S.C., Madhusudan. J.V (2013). Adult Literacy in Meghalaya, India-Impact of Sakshar Bharat Programme for Women. LAP Lamberg Academic Publishing, Germany: ISBN: 978-36-59416-02-6.
- (3) Ahmed, J. U. and Singh, Kh. D (2014). Financing Priority Sector in India: Scenario, Setback and Solutions. Manas Publishers and Distributors, Jaipur, (ISBN: 978-93-83231-19-5).
- (4) Tiwari, B. K. ( Editor) (2012). Joint Forest Management in North-East India A Trainers' Resource Book. Research India Publications, Delhi, 357 p, ISBN: 978-81-904362-6-7.
- (5) Malhotra, K.C., Saroj K. Barik and Brajesh K. Tiwari (Authors) (2013). Micro-level People's Perception on Climate Change, 386 p, Regency Publications, New Delhi , ISBN: 978-81-89233-89-1.
- (6) Ajai and Devesh Walia (Editors) (2013). Challenging Areas in Earth Science Research Towards Empowering the Society. ISBN: 81-81837-14-4.
- (7) Mipun, B.S. and Sarma, Pranjit (2013). Modelling of New Habitat for Rhinos (Rhinoceros Unicorn) on the Basis of a Case Study on Rajiv Gandhi Orang National Park of Assam", in Ajai and D. Walia (eds.) Challenging Areas in Earth Science Research Towards Empowering the Society, NEHU Publications, Shillong, pp. 203-213. (ISBN No. 81-87837-14-4).
- (8) Barman, A. (2013). Instant Vegetable Science (2nd Edition). Sharma Publishers and Distributors, New Delhi, India: ISBN-13978-81-920090-2-5.
- (9) Bhutia, K.P., Suresh, C.P. and Subha, P. (2013). Nutritional composition of some minor fruits of the Sikkim Himalayas. In Developing the potential of underutilized horticultural crops of hill regions. ISBN 81-7019-473-3, Today and Tomorrow's Printers and Publishers.
- (10) Kumar, S. and Tomar, K. S. (2013). Floriculture in North-Eastern Region: Present Status and Future Prospects. In: Agrarian Economy in India: Challenges and Government Initiatives. Eds. Sarkar et al. ISBN 978-93-82816-02-7, Mangalam Publishers & Distributors, Delhi.
- (11) Kumar, S. and Mishra, B. K. (2013)..Livestock Production and Management-Recent Trends and Future Prospects. New India Publishing Agency, New Delhi. ISBN 978-93-81450-70-3.
- (12) Kumar, S. and Mishra, B. K. (2013). Advances in Livestock Production and Management. Jaya Publishing House, New Delhi. ISBN 978-93-82471-19-6.
- (13) Mishra, B. K. (2013). Dairy and Food Processing Industry-Recent Trends Volume-I. Biotech Books, New Delhi. ISBN 978-81-7622-298-3.



- (14) Mishra, B. K. (2013). Dairy and Food Processing Industry-Recent Trends Volume-I. Biotech Books, New Delhi. ISBN 978-81-7622-299-0.
- (15) Prodhani, J. and Thakur, R.S. (Eds.) (2014) Culture, Ethnicity and /Identity/; A Reader. Guwahati: DVS Publishers. ISBN 978-81-86367-77-9.
- (16) Prodhani, J. (2013) Madhupur Bahadur Translation of Assamese short stories by Sheelabhadra. New Delhi: Sahitya Akademi, 2013 ISBN978-81-260-4065-0.
- (17) Prodhani, J. (2013) "Tagore and the Rajbanshi Narrative" In: Endeavour, Tanuj Kumar Dey Ed. (Research and Publication Cell, Lala). ISBN 9788192402774, p 178-190.
- (18) Thakur, Amrendra Kr (2014) Iron in the History of Northeast India: Awaiting Researches. In: Tiatoshi Jamir and Manjil Hazarika (eds.), 50 Years after Daojali-Hading: Emerging Perspectives in the Archaeology of Northeast India (Essays in Honour of Tarun Chandra Sharma), Research India Press, New Delhi, 2014, pp. 442-53. ISBN 978-81-891 31.
- (19) Thakur, Amrendra Kr (2014), "Creating Capital or Inviting Crises: Debating Some New Development Initiatives in Northeast India", Hage Lasa, S. C. Nayak and Ngawang Thupten (Shakya) (eds.), Tribal Area Development and North-east India, Adhyayan Publishers and Distributors, New Delhi, in association with Government College, Bomdila and Buddhist Culture Preservation Society, Bomdila, Arunachal Pradesh, 2013, pp.20-38. ISBN 978-81-8435- 413-3.
- (20) Rahman, M. S. N. (2013). 'Sufism in Indian History: Syncretism and Communal Harmony' in Religion and Culture in India Across the Ages Historical Reflection, edited by Department of History, Ramakrishna Mission Vidyamandira & published by Principal, Ramakrishna Mission Vidyamandira, Belur Math, Howrah, West Bengal, April,2013, pp.42-49, ISBN 978 - 81 - 92811-0-0.
- (21) Rout, Chintamani. (2014). Personal Liberty and Human Rights, Central Law Publications, Allahabad, ISBN: 978-9382676-51-5
- (22) Rout, Chintamani. (2014). Judicial Pronouncement and Stifling Prosecution, SSDN Publishers and Distributers, New Delhi ISBN: 978-9138357-512-1 (111 pp.)
- (23) Singh, Arun Kumar (Ed.).(2014). Corporate Law and Governance. Regal Publications, New Delhi, ISBN 978-81-8484
- (24) Singh, A.K. (2014). Partnership and Limited Liability: A Comparative Analysis of Indian Partnership Act, 1932 and Limited Liability Partnership Act, 2008. In: Corporate Law and Governance. Ed. Arun Kumar Singh. pp.29-39 (Regal Publication New Delhi) ISBN 978-81-8484
- (25) Srikanth, H. (2013). Edited (main editor) and wrote Introduction to the book, Vision for Meghalaya: On and Beyond Inner Line Permit, ICSSR-NERC, Shillong. (ISBN 978-93-5156-627-4.)

\* *Citation Index:*

\* *SNIP:*



- \* *SJR*:
- \* *Impact Factor – range/ average*:
- \* *h-index*:

### 3.4.3 Give details of

- \* *Faculty serving on the editorial boards of national and international journals.*

<b>Editorial Boards</b>	
	Springer' journals:
Prof. V. Tandon	(a) Proceedings of National Academy of Sciences India- Section B- Biological Sciences, and (b) Journal of Parasitic Diseases.
Prof. B. B. P. Gupta	Proceedings of the Indian National Science Academy (Biological Sciences), New Delhi
Prof. A. K. Yadav	Journal of Parasitic Diseases (Springer-India) as the Executive Committee Member of the Indian Society for Parasitology.
Prof. D. Bhattacharjee	Mathematics and Statistics, Horizon Research Publishing Corporation, USA
Prof. Jagat Pal	Chief editor of International Journal of Jurisprudence and Philosophy of Law
	(a) Chief Editor, International Journal of Applied Management Research, Dept. of Management, NEHU, Tura Campus, Meghalaya (since 2012),
	(b) Former Editor, AURA, Journal of Indian Institute of Science & Management, Ranchi, Jharkand (2005 & 2006),
	(c) Associate Editor, Sparkle, Half yearly Newsletter, Indian Institute of Science & Management, Pundag, Ranchi, Jharkand (2006),
	(d) Member, Editorial Board, Journal of Royal Business School, Guwahati, Assam (Since 2013),
	(e) Member, Editorial Board, Journal of Indian Institute of Science and Management, Ranchi, Jharkhand (since April, 2006), and
	(f) Life Member, North Eastern Council for Social Science Research, Shillong, Meghalaya since January 2006.
Dr. C. Rout	Nav Pravah: An International Research Journal
Dr. R. Sil	Indian Human Rights Law and Review, P. Cambray & Co. Pvt. Ltd, Kolkata - 13
Prof. B. War	Editorial Board Member, Ka Thwet Jingstad (Quest for Knowledge): A Journal of the Society for Khasi Studies.




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**Editorial Boards**


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Prof. S. Dkhar	Editorial Board member of (a) Khasi Author's Society, (b) Journal of Humanities and Social Science, Khurja, U.P., (c) Ka Thwet Jingstad (Quest for Knowledge) A Journal of the Society for Khasi Studies.
Prof. A. Kharmalki	Editorial Board member Ka Thwet Jingstad (Quest for Knowledge) A Journal of the Society for Khasi Studies.
Dr. D. R. L. Nonglait	Editorial Board Member of (a) Khasi Author's Society (b) Ka Thwet Jingstad (Quest for Knowledge) A Journal of the Society for Khasi Studies.
Dr. B. Bairo	Editor of Ka Thwet Jingstad (Quest for Knowledge) A Journal of the Society for Khasi Studies.
Mr. M. M. Khyndeit	Editorial Board Member Ka Thwet Jingstad (Quest for Knowledge): A Journal of the Society for Khasi Studies.
Mr. Arnab Kumar Maji	ISST Journal of Mathematics and Computer Science (ISSN 0976 – 9048)
Prof. F.A. Qadri	Proceedings of North East India History Association
Prof. A.K. Thakur	Editor -do- and NEHU Journal
Dr. Amit Kumar Upadhyay	(a) Member of Editorial Board, Journal of Numismatic Society of India, Varanasi, and (b) Editor, Manaviki- A journal of Humanities and Social Sciences, Varanasi .
Prof. D. K. Choubey	(a) The NEHU Journal (Hindi Issue), and (b) Khasi & Garo English - Hindi Dictionary.
Dr. B. P. Tripathi	Janpath (special Issue)
Prof. D. K. Nayak	(a) Editor, Hill Geographer, Shillong, and (b) Jt. Editor, Transactions, Pune.
Prof. S. K. De	Editorial Board Member, Journal of Indian Geomorphology

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**Editorial Boards**


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- Dr. Fameline K. Marak
- (a) Member, Duramong, Campus Annual Magazine, NEHU, Tura Campus (for Garo Section),
  - (b) Member, Chibasal, A-chik Evangelical Union, Tura,
  - (c) Member, Souvenir, Koknal Mahari Association Silver Jubilee Celebration, Tura, 2013, and
  - (d) Editing Garo translation from Pressing Towards the Goal by Sundar A. Sangma, Tura, 2015(ongoing).

- Dr. Jacqueline R. Marak
- Editorial Board Member of
- (a) Duramong, (Garo Section), Campus Annual Magazine, NEHU, Tura Campus 2011-13,
  - (b) Nokdangni Ripeng Magazine, Mothers' Union, Tura 2015-18, and
  - (c) Member, Mikaoa Magazine, Garo Graduate Union 2013-16.

- Dr. Dokatchi Ch. Marak
- (a) Duramong, Campus Annual Magazine, NEHU, Tura Campus, Tura (for Garo Section) since 2009 till date,
  - (b) Nokdangni Ripeng, Mothers' Union, Tura 2015-17,
  - (c) A-chikni Ripeng, ABDK, Tura Annual Magazine 2014-17,
  - (d) Chokchim, ABDK, Tura, 2015-18, and
  - (e) Protocol, Journal of Translation Creative and Critical writings, Tribal Literary Forum of India Regd. N.G.O. in North East India (Advisory Board), 2013-16.

- Mr. Crystal Cornelious D. Marak
- (a) Member, A-chik Ku-rang, from 2009 -2011
  - (b) Edited a book, Jikrongdik by Awensing S. Rongmuthu in 2013
  - (c) Chief Editor, Mikaoa, since 2014 till date, and
  - (d) Member, Editorial Board, Duramong, Annual Magazine, NEHU, Tura Campus, Tura 2015

- Prof. Sujata Gurudev,  
Dwijen Sharma,  
Dr. Angela W. Ingty,  
R S Thakur,  
Dr. Jove C Marak,  
Dr. Namrata Pathak,  
Dr. L. K. Gracy
- Co-Editors of Protocol: Journal of Translation, Creative and Critical Writings (Funded by ICSSR, New Delhi)

- Dr. Ramona Sangma
- (a) Editor of Protocol: Journal of Translation, Creative and Critical Writings,
  - (b) Editor of Kimpret, a bilingual Journal, and
  - (c) Correspondent for NEHU News Letter .
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**Editorial Boards**


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Prof. Sujata Gurudev, Dr. Ramona Sangma, Dr. L K Gracy	Member of the Editorial Board of Duramong, an Annual Campus Magazine of NEHU, Tura Campus
Mala Renganathan	(a) Associate Editor, Journal of Literature, Culture and Media Studies, and (b) Member, Editorial Board, IJELLS (Indian Journal of English, Language and Literature Studies), Tirunelveli.
Jyotirmoy Prodhani	(a) Founder Editor, Protocol: Journal of Translation, Creative and Critical Writings, NEHU(Tura Campus), and (b) Member, Editorial Board, The NEHU Journal, NEHU, Shillong.
Kynpham S. Nongkynrih	Member, Editorial Committee of the Encyclopaedia of Indian Poetics, Sahitya Akademi, New Delhi.
Dr. I. Syiem,	Editorial Board Inter Views An Interdisciplinary Journal in Social Science.
Prof. S. K. Mishra	(a) Member, Editorial Board, Indian Journal of Regional Science [Regional Science Association, Kolkata, India], and (b) Associate Editor, Gitam Review of International Business [Gitam School of International Business, Gitam University, Visakhapattanam, India].
Prof. U. K. Dey	(a) Journal of Climatology and Weather Forecasting, and (b) The journal of Social Science Today.
Prof. V. K. Shrotryia	(a) Guest Editor, Invertis Journal of Management, and (b) Member of Editorial Board, Review of Management.
Dr. Hiranjit Choudhury	Academic Journals Online (AJO)
Dr. M. C. Das	(a) Proceedings of the second International Symposium and Plant Cryopreservation, (b) Tropical Life sciences Research, and (c) The journal of Horticulture Science and Biotechnology.
Prof. A. K. Misra	(a) Journal of Bioscience, (b) Indian J. Microbiology, and (c) Archives of Microbiology.
Prof. N. K. Chrungoo	Phagopyron

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**Editorial Boards**


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Prof. S. K. Barik	(a) Tropical Ecology, (b) Journal of Biodiversity.
Prof. R. Sharma	Editorial board member of 04 International Journals (Intl. J. Dev. Neurosci.; Biogerontology; Frontiers in Genetics of Aging; Okinawa Wellness & Longevity Journal)
Prof. R. N. Sharan	Associate (Receiving) Editor of Journal of Radiation Research [Japan]
Dr. L. Kma	Journal of Radioprotection Research
Dr. T. Tripathi	Editorial review board member of (a) Scientific Journals International (SJI), and (b) Advances in Applied Research
Prof. T. B. Subba	(a) NEHU Journal (till 2010), (b) Asian Anthropology, Hongkong, (c) Studies of Tribes and Tribals, New Delhi, (d) Editor, Man and Society, and (e) Contributions to Indian Sociology
Prof. R. Khongsdier	(a) NEHU Journal (till 2010), (b) Journal of Human Biology, New Delhi, (c) The Anthropologist, New Delhi, (d) Journal of Life Sciences, New Delhi, and (e) Guest Editor, Man in India
Dr. G. Ranjan	NEHU Journal.
Dr. S. Ghosh	Wyno Academic Journal of Biological Sciences.
Prof. P Shukla	Member of Editorial Board, Pramana: Journal of Physics (2013).

**Table 2.32:** *Faculties Serving on the Editorial Boards of National/International Journals.*

\* *Faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies.*

Prof. V. Tandon worked as member in the Steering Committee for All India Coordinated Project on capacity building in Taxonomy (AICOPTAX)' (MoE&F, GOI). But no faculty serving as members of steering committees of international conferences recognized by reputed organizations/ societies

### 3.4.4 Provide details of

\* *Research awards received by the faculty and students:*



- (1) Because of excellent research culture in the university, many faculties are rewarded with research related awards, and membership in distinguished national and international bodies dealing with diverse aspects of development and growth. Some of the awards are highlighted below:
- (2) Prof. B Langstieh, Dept of anthropology, was (i) nominated Visiting scholar by the UGC, New Delhi and Hungarian Scholarship Board, Budapest for short term research stay (2011); (ii) nominated as a Visiting Scholar to the department of anthropology, University of Washington, Seattle, USA under the Fullbright-Nehru Senior research fellowship grant.
- (3) Dr A Bhattacharjee, Dept of Biotechnology and Bioinformatics, was awarded the DBT Associateship for training at Max Delbruck Centre for Molecular Medicine, Berlin, Germany.
- (4) Prof. S K Barik, Dept of Botany, was awarded Brandis Prize, 2009 for best research paper in Silviculture from Indian Forester.
- (5) Prof V Tandon, Dept of Zoology, received the Lifetime Achievement award conferred by Anna University and Indian Society for Parasitology, 2011.
- (6) Prof. S B Prasad, Dept of Zoology, was elected as a Member of the National executive Committee of Indian Association for Cancer research, 2010-2011.
- (7) Prof. B K Sharma, Dept of Zoology, was awarded 'Eminent Rotiferologist' at the 13th International Rotifer Symposium, ROTIFERA XIII.
- (8) Prof. P N Pandita, Department of Physics, was invite as a distinguished Visitor by the Scottish University Physics. He was also appointed as Honorary Senior research fellow by Glasgow University, UK.
- (9) Dr Mala Renganathan, Dept of English, awarded IUC-IIAS Associateship by Indian Institute of Advanced Studies, Shimla (2012).
- (10) Dr S N Lamare, Dept of History, received cash award and a citation for research work and publications on the Jaintias on the Sesquicentennial Death anniversary of U Kiang Nangbah from Sein Raj Shillong (2012).
- (11) Dr H Srikanth, Dept of political sciences, was awarded Research associateship of Indian institute of Advanced Studies, Shimla, 2010.
- (12) Prof B. K. Tiwari was awarded two months DFG-INSA Fellowship under International Collaboration/Exchange Programme during 2013 to visit Fredrich-Scheller-Universitat, Jena, w.e.f . 10 October -9th December, 2013.
- (13) Prof B. K. Tiwari was Elected Fellow of The Society of Ethnobotanists in 2013 for his contributions in the interdisciplinary Science of Ethnobotany.
- (14) Prof. S. R. Rao of the Department of Biotechnology and Bioinformatics was awarded DBT-CREST Fellow at the Department of Soil and Crop Sciences, Texas A&M University, College Station, USA, from 5th January to 4th April, 2014.
- (15) Dr. Meera Chettri Das was awarded Overseas Associateship, DBT Govt. of India during August, 2013 to January, 2014.
- (16) Dr. J. Dutta of the Department of Basic Sciences and Social Sciences received



“Young Relativist Award” at the International Conference on Differential Geometry and Relativity (ICDGR-2013), held on 09 – 11 November at DDU Gorakhpur University, Gorakhpur.

- (17) Dr. Swarup Roy received Best Doctoral Thesis award from IIT-Roorkee during Intl. Conf. SocProS-2013.

\* *National and international recognition received by the faculty from reputed professional bodies and agencies:*

- (1) Dr S Umdor, Dept of Economics was appointed as a Member of Social Audit Bill drafting Committee, Govt of Meghalaya.
- (2) Dr N Srivastav, Dept of Economics, (i) was nominated as member of sub-committee under Meghalaya Economic Development Council secretariat for Raod and Tourism Development, Planning department, Govt of Meghalaya, 201; (ii) was nominated by UGC as Expert on the Advisory Committee of UGC SAP programme of Department of Economics; Viswabharati University, Shantiniketan, West-Bengal.
- (3) Dr. L. J. Singh, Department of Electronics and Communication Engineering, was a member of the working group to frame the State Education Policy, Education Department, Government of Meghalaya.
- (4) Dr. L. J. Singh, Department of Electronics and Communication Engineering, has been nominated as member (alumni representative) of Board of Management (BoM), North-Eastern Regional Institute of Science & Technology (NERIST), Nirjuli, Arunachal Pradesh for 2014-17.
- (5) Dr. L. J. Singh, Department of Electronics and Communication Engineering, was elected as sectional member (98<sup>th</sup> Session of ISCA) and president (99<sup>th</sup> Session of ISCA) of Information and Communication Science and Technology (including computer sciences) of the Indian Science Congress Association during 2011-12.
- (6) Dr B Mishra, Dept of Economics, was appointed as a member of the working sub-group on Social intervention of S & T society for formulating the Twelfth Five Year plan perspectives for DST, GOI.
- (7) Dr B Panda, Dept of Economics, was co-opted as a member of the Expert Committee to evaluate the performance of districts for Prime minister’s Annual MGNREGA District award 2012.
- (8) Dr B B K Rymbai, Dept of Education, was awarded with Bharat Shiksha Ratan Award by Global Achievers’ Foundation, New Delhi.
- (9) Prof. M M Raza, Dept of Library & Information Science, was selected as a member of Departmental advisory Board of NCERT, New Delhi.
- (10) Prof. T B Subba, Dept of anthropology, was (i) appointed Honorary Director, Indian Council of Social Sciences Research, North eastern regional centre, Shillong (2011-2014); (ii) nominated as a member of the Indian Council of Social Sciences Research, New Delhi (2011-2013).



- (11) Prof. T B Subba, Dept of anthropology, was appointed Vice Chancellor of Sikkim University.
- (12) Prof B K Tiwari, Department of Environmental studies, was elected as sectional president of Environmental science section, ISCA 2010-2011. He is also a member of Joint Action Committee on Uranium mining in Meghalaya.
- (13) Prof B K Tiwari, Department of Environmental studies, was elected as sectional president of Environmental science section, 99<sup>th</sup> Session of the Indian Science Congress Association at Bhuvneswar in 2011-2012.
- (14) Prof. O P Singh, Department of Environmental studies, has been nominated as a member of Environmental advisory Group of NEEPCO, Shillong for the period of 2010-2012.
- (15) Prof.L K Jha, Department of Environmental studies, was elected as a Fellow of Linnean Society of London, a forum of natural History (2011).
- (16) R B K Mishra, Department of Rural development and Agricultural Production received the Founder Fellow Award of Indian society of Hill Agriculture and Bioed from Bioed Research Society.
- (17) Prof. S Dkhar was awarded the Special AIPC National Award at 12th Mega Convention of Poetess Conference held on January 6-8, 2012 at Hubli, Karnataka.
- (18) Prof. R Sharma, Department of Biochemistry, was elected as president of Association of Gerontology.
- (19) Prof. A Alam, Department of Biochemistry, has been appointed as a member of UGC expert committee for evaluation of SAP/DRS programme in 2010.
- (20) Dr.M B Syiem, Department of Biochemistry, has been appointed as a Member of Advisory Committee for Women & Child health Nutrition programme under National council for Science & Technology Communications (NCSTC), DST, New Delhi, 2010.
- (21) Dr T Tripathy, Dept of Biochemistry, selected as (i) member of World Association of Young Scientists, UNESCO; (ii) faculty of Webmed Central Bioysics and Biochemistry.
- (22) Prof. S R Rao, Dept of Biotechnology and Bioinformatics, was awarded Certificate of Appreciation by ICAR (2012-13).
- (23) Prof. P Tandon, Dept of Botany, was appointed as a member of National advisory Council, 2010.
- (24) Prof. P Tandon, Dept of Botany, was conferred with Professor Saligram Sinha Memorial Lecture Award (2011) National academy of Sciences, India.
- (25) Prof. N K Churungoo, Dept of Botany, was appointed as a Member of Institutional Biosafety Committee of ICAR complex, NER.
- (26) Prof. S K Barik, Dept of Botany, was appointed as a Member of the Expert Committee of DBT's species recovery programme. He was also appointed as member of Technical Advisory Expert Committee on biodiversity of MOEF.
- (27) Prof V Tandon, Dept of Zoology, received 2nd Professor Archana Sharma Memo-



- rial Lecture Award, 2010 from National Academy of Sciences India, Allahabad.
- (28) Prof V Tandon, Dept of Zoology, received the Lifetime Achievement award conferred by Anna University and Indian Society for Parasitology, 2011.
  - (29) Prof. S B Prasad, Dept of Zoology, was elected as a Member of the National executive Committee of Indian Association for Cancer research, 2010-2011.
  - (30) Prof. B K Sharma, Dept of Zoology, was awarded 'Eminent Rotiferologist' at the 13th International Rotifer Symposium, ROTIFERA XIII.
  - (31) Prof. N Saha, Dept of Zoology, was appointed as a PAC member in the DST-SERB Animal science Group (2012-2015).
  - (32) Prof. R H Duncan Lyngdoh, Dept of Chemistry, was appointed as Expert Committee Member for evaluation of Major research Projects in Chemistry & Polymer sciences, UGC (2012- 2013).
  - (33) Prof. P N Pandita, Department of Physics, was invited as a distinguished Visitor by the Scottish University Physics. He was also appointed as Honorary Senior research fellow by Glasgow University, UK.
  - (34) Dr. Esther Syiem, Dept of English, was nominated as a member of General Council, Sahitya Academy (2013).
  - (35) Dr B P Tripathy, Department of Hindi, was awarded 'Yuva Shikhar Sahitya Samman (2011) by Sikhar Sanstha, Himachal Pradesh.
  - (36) Prof. S Dkhar, Dept of Khasi, was awarded with 'A daughter of Himalayas' in 9th International Poetry meet in Kathmandu, Nepal (2012).
  - (37) Prof. S Dkhar, Dept of Khasi, was awarded with Meghalaya tirot Singh Award, Govt of Meghalaya (2013).
  - (38) Dr P Biswas, Dept of Philosophy (i) was appointed as a Member of North East India Studies Committee of Indian council of Philosophical Research (2012); (ii) awarded visiting Fellowship to Tata Institute of Social sciences, Mumbai (2012).
  - (39) Dr Cecile Mawlong, Dept of History, was appointed as Project coordinator (Meghalaya) for National Mission for Monuments and antiquities, Archaeological Survey of India, New Delhi.
  - (40) Prof. F A Qadri, Dept of History, was (i) nominated by the Govt of India to the national council for promotion of Urdu language (2011-2014); (ii) nominated as a member by Indian council of Historical Research, New Delhi (2011-2014); (iii) nominated as a member by Indian Historical Records Committee, New Delhi (2011-2016).
  - (41) Dr A K Nongkynrih, Dept of Sociology, was nominated as member of International Board of the Indegenous people's assistance facility of the international fund for agricultural development, Rome (2010-2013).
  - (42) Dr A K Nongkynrih, Dept of Sociology, was nominated as member of (i) Planning Committee, Khasi Hills Autonomous District Council, Shillong (2011); (ii) State Advisory Group on Community Action of National Rural Health Mission, Dept of Health and welfare, Govt of Meghalaya (2011); (iii) State Level Monitoring



- committee on Twenty point programme, Program Implementation and Evaluation Department, Govt of Meghalya (2010); (iv) Advisory Committee on codification of Customary Laws, Khasi Hills Autonomous District Council, Shillong (2010).
- (43) Dr A K Nongkynrih, Dept of Sociology, was nominated as an advisor of Regional cooperation for Peoples Empowerment Guwahati.
- (44) Prof. R. N. Rai was nominated Vice-President of Indian School Psychology Association (InSPA), 7,14th Street, Krishna Nagar, Puducherry, from 1st April, 2013, for 3 Years.
- (45) Prof. R. N. Rai was nominated Editorial Consultant of the Journal of the Indian Academy of Applied Psychology from January 2014.
- (46) Prof. S K. Mishra was nominated as a Member, Plagiarism Committee of RePEc, the world's largest collection of journal articles, software and on-line economics working papers, run by a collaborative effort of hundreds of volunteers in 81 countries to enhance the dissemination of research in economics, with HQ in USA.
- (47) Prof. S K. Mishra was nominated as a Member, Editorial Board, Indian Journal of Regional Science, Regional Science Association, Kolkata.
- (48) Prof. B. Panda was nominated as an Associate Editor, Gitam Review of International Business, Gitam School of International Business, Gitam University, Visakhapattanam.
- (49) Prof B. K. Tiwari was Elected Fellow of The Society of Ethnobotanists in 2013 for his contributions in the interdisciplinary Science of Ethnobotany.
- (50) Prof B. K. Tiwari was Member Programme Advisory and Monitoring Committee (PAMC) of National Programme on Carbon Sequestration (NPCS) Research of Department of Science and Technology, Government of India, New Delhi.
- (51) Prof B. K. Tiwari was Member of Core Group, Commission on Ecosystem Management IUCN, South Asia
- (52) Prof. D.K. Nayak of the Department of Geography appointed as a member of the Project Advisory Committee (PAC) of the National Translation Mission (NTM) under the Central Institute of Indian Institute of Indian Languages (CIIL), for the period 2014-16.
- (53) Prof. Sunil Kumar De of the Department of Geography elected as the Secretary General of the International Association of Geomorphologists (IAG/AIG) for the period 2013-2017.
- (54) Dr. Umarani Pappuswamy of the Department of Geography appointed as a Member of the Publication Committee, Indian Linguistics Journal published by the Linguistic Society of India for the term January 2012 – December 2014.
- (55) Dr. Umarani Pappuswamy of the Department of Geography Associate Editor of the Journal South Asian Language Review <http://journalsa.l.r.com>; ISSN: 0971-0485.
- (56) Prof. R. Sharma of the Department of Biochemistry selected for (i) INSA





- Senior Scientists Bilateral International Exchange Programme-2014, Hungary; (ii) Member, Editorial Board of Biogerontology (Springer, The Netherlands), (iii) Member, Editorial Board of International Journal of Developmental Neurosciences (Elsevier, USA), (iv) Member, Editorial Board of Frontiers in Aging Research (Switzerland).
- (57) Dr. T. Tripathi of the Department of Biochemistry is nominated as (i) a Member, Scientific Board of Biological, Pharmaceutical & Medical Sciences of International institute of Chemical, Biological and Environmental Engineering, (ii) Selected as a Biochemistry Editor by Webmed Central.
- (58) Prof. P. Tandon of the Department of Botany was (i) conferred the prestigious A.R. Chavan Memorial Lecture Award by the M.S. University, Vadodara. He delivered a lecture entitled 'Plant Genetic Resources, Food Security and Climate Change an Indian Perspective' on 7th August 2013. He also delivered a lecture on 'Clonal Propagation and Cryopreservation of Plants in the Department of Botany at M.S. University, (ii) conferred the prestigious Lecture Award in field of Biodiversity by the National Academy of Sciences (2013), (iii) appointed as member of Prof. P. Tandon has been appointed member of the National Advisory Council of Government of India, Advisory Committee of the National Academy of Sciences on Brahmaputra Gallery at Guwahati, Council, the National Academy of Sciences, India, Advisor, Institute of Life Sciences, Malkolak Knowledge Centre, Hyderabad, Search Committee for recommending a panel of names for appointment of Chancellor of Usha Martin University, Member, Biotechnology Vision Group of Uttar Pradesh, Government.
- (59) Prof. A. K. Misra of the Department of Botany was (i) nominated by UGC as Expert on the Advisory Committee of UGC SAP programme of Department of Botany, Sri Venkateshwara University, Tirupati; (ii) Edited Special Issue of The Journal of Biosciences (November, 2013) jointly published by the Indian Academy of Sciences, Bangalore and Springer.
- (60) Prof. N. K. Chrungoo has been appointed as (i) the member of Faculty of Biotechnology, D.Y. Patil Univ., Pune, (ii) Member, DBT task force on Plant Biotechnology and emerging areas (iii) Member, DBT task force on Biotechnology based programmes for women, (iv) Member, Board of Post Graduate Studies in Botany, Tripura University, Agartala, (v) Asia pacific representative on the Editorial Board of the Journal FAGOPYRUM.
- (61) Prof. S.K. Barik of the Department of Botany has been appointed as (i) Expert Member in the DBT Task Force on "Environmental Biotechnology and Biodiversity", (ii) Expert Member in the DBT Apex Committee on Biotechnology research for North-East, (iii) Expert Member on the Scientific advisory Committee on ENVIS of Ministry of Environment and Forests, Government of India; (iv) Expert Member, Committees on Identification of Eco-sensitive Zones in Meghalaya and Nagaland, (v) Expert Member, Meghalaya State Biodiversity



- Board, (vi) Expert Member, Indira Gandhi Paryavaran Purashkar, Ministry of Environment and Forests, Government of India; (vii) Associate Editor, Tropical Ecology; (viii) Member Editorial Board, Journal of Biodiversity; (ix) Member, Executive Council, International Society for Tropical Ecology, and International Society for Environmental Botanists.
- (62) Prof. V. Tandon of the Department of Zoology was (i) nominated as a member of 'Steering Committee for All India Coordinated Project on capacity building in Taxonomy (AICOPTAX)' (MoE&F, GOI), (ii) elected as Sectional President: Biological Sciences - The 83rd Annual Session of the National Academy of Sciences, India and Symposium on "Space for Human Welfare", Goa University, Goa. 5-7 December, 2013, (iii) elected as a General Secretary (outstation) - National Academy of Sciences, India 2014- 2015.
- (63) Prof. B. K. Sharma of the Department of Zoology served as Visiting Professor, Department of Zoology & Fisheries, Vidyasagar University, Mindapore, West Bengal, in January – February, 2014.
- (64) Prof. B. B. P. Gupta of the Department of Zoology was (i) elected member of the Editorial Board, Proceedings of the Indian National Science Academy (Biological Sciences), New Delhi, and (ii) appointed member of the Editorial Board, American Journal of Experimental Biology.
- (65) Prof. S. B. Prasad of the Department of Zoology gave a talk on "Cancer: Causes, food habits and prevention" at Atomic Minerals division Directorate for exploration and research, DAE, Shillong on August 7, 2013.
- (66) Prof. N. Saha of the Department of Zoology was appointed as a (i) PAC member of the DST-SERB Animal Science Group (2012-2014), (ii) Task Force member of DST-SERB for Empowerment and Equity for Excellence in Science Committee (2013-2015), (iii) Member of the UGC Major Research Project Evaluation Committee.
- (67) Prof. S. N. Ramanujam of the Department of Zoology was appointed external expert for School Board of School of Ecology and Environmental Sciences, Assam University.
- (68) Prof. A. K. Yadav of the Department of Zoology served as an Editorial Board Member of the Journal of Parasitic Diseases (Springer)
- (69) Prof. A. S. Dixit of the Department of Zoology was (i) elected as Vice-President of Indian Society of Chronobiology and (ii) appointed member of the team to prepare course content for "Chronobiology" for the UGC's e pathsala program for PG.
- (70) Dr. J. Dutta of the Department of Basic Sciences and Social Sciences received "Young Relativist Award" at the International Conference on Differential Geometry and Relativity (ICDGR-2013), held on 09 – 11 November at DDU Gorakhpur University, Gorakhpur.
- (71) Dr. Swarup Roy is an invited member of IDES- Institute of Doctors, Engineers





and Scientists. He is also appointed as a reviewer of prestigious International Journals namely, IEEE/ ACM Trans. on Computational Biology & Bioinformatics, Computer Methods and Programs in Biomedicine (Elsevier) and Network Modelling Analysis in Health Informatics and Bioinformatics (Springer).

3.4.5 *Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?*

Altogether 88 M Phil and 176 Ph.D. students were awarded during the last four years. The theses are published in Shodhganga by depositing in UGC INFLIBNET for easy electronic data dissemination.

3.4.6 *What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.*

Due to university's policy of zero tolerance in plagiarism and awareness drive, the university has not come across any plagiarism cases in the university.

3.4.7 *Does the university promote interdisciplinary research? If yes, how many interdepartmental/interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?*

As stated earlier, the faculties of the university engaged in interdisciplinary research and we have quite a good number of projects going on especially in sciences, e.g. Chemistry-Biotechnology; Chemistry-Zoology; Chemistry-Bioinformatics; Biotechnology – Basic Sciences and Social sciences, etc.

3.4.8 *Has the university instituted any research awards? If yes, list the awards.*  
No.

3.4.9 *What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?*

None



### 3.5 Consultancy

3.5.1 *What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.*

The university is in the process of formulating structured consultancy and has done the groundwork along that line. Even in absence of that the consultancy is run along the line of sponsored project. At present the university has only one consultancy project as mentioned below: Perspective development planning, Cumulative Environmental Impact assessment, Carrying capacity assessment, E-flow assessment, and Landscape level biodiversity management planning: Rs. 249 lakh (From Government of Arunachal Pradesh)

3.5.2 *Does the university have a university-industry cell? If yes, what is its scope and range of activities?*

Because of Geographical location and poor industrial growth in the region, the university has been able to collaborate with only cement industry. But we are in the process of having a structured university-industry cell to explore possibilities to collaborate with the industries outside North-East India.

3.5.3 *What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?*

The expertise in the university departments are documented in the University website [www.nehu.ac.in](http://www.nehu.ac.in). At present, the consultancy is sought only from the Department of Botany and Zoology.

3.5.4 *How does the university utilize the expertise of its faculty with regard to consultancy services?*

As the university does not have a structured consultancy service, it is primarily the efforts from the concerned faculties to determine the success of such consultancy.

3.5.5 *List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.*

Perspective development planning, Cumulative Environmental Impact assessment, Carrying capacity assessment, E-flow assessment, and Landscape level biodiversity management planning: Rs. 249 lakh (From Government of Arunachal Pradesh)



### 3.6 Extension Activities and ISR

3.6.1 *How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.*

To sensitize the students and faculties about Institutional Social Responsibilities, a number of Departments have included this component in their curricula. By doing that the university departments ensures visit of the students under the supervision of faculty members to the neighbouring villages for duration of 2 to 3 weeks to study the local issues relevant to their discipline and also share their knowledge with the communities for improvement of their livelihoods.

3.6.2 *How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?*

To promote university-neighbourhood network in which students acquire training to contribute towards sustained community development, field visits as arranged for the Masters level students. A large number of research students in social and environmental science choose their research related to local communities, thus they indirectly contribute to community development by bringing to fore the problems and constraints faced by the communities.

3.6.3 *3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC) and other National/ International programmes?*

To promote the participation of the students and faculty in extension activities of NSS, NCC, YRC and other NGOs, the NSS cell takes active role. This evident from the fact that during the year 2013-2014 the total enrolment to NSS was 21437. The activities of NSS among include: Youth exchange programme with China, National Integration Camps, Adventure training Camps, Special Camps in adopted villages, Trainings and workshops on varied topical topics, Blood Donation Camp, Creation of Community Assets, Celebration of World Environment Day, Sadbhavana Divas etc.

3.6.4 *Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?*

In order to ensure social justice and to empower under-privileged sections in particular, women and children, the University has established Rajiv Gandhi Chair for Tribal



Development and Protective Discrimination which is designed to undertake research on socially underprivileged sections including women. The Women's Cell of the University too is entrusted with this responsibility. They hold regular awareness programmes and workshops to ensure that the disadvantaged sections particularly do face any harassment or injustice. While working in this area the University has established a Cretche for children and allocated funds for development of facilities for women. The University has established a Central School for the children of its employees and for the neighbouring communities.

*3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?*

Since the extension activities are made part of the curriculum for many departments, they are under supervision of the faculties and their involvement is quantified from various aspects of community development programme including promotion of citizenship among the participants.

*3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.*

The role of any academic programme is to prepare the students to analyse diverse aspects of living existence and school, colleges and universities are just preparatory ground. The theories are made to compartmentalize the analysis so that students can learn to see the happenings in the universe from different perspectives. Given the fact the extension activities are part of the syllabus, the students can see the application of their understanding to solve a real time issue. They learn to mix with country people with diverse culture, get real picture of the challenges lying before them to uplift the society; realise their social responsibility, think innovative ideas on how to solve the problems by the community, learn tracking, physical labour, etc.

*3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.*

The university has adopted multipronged strategy to outreach and contribute towards community development. The Campus Residents Welfare Committee and Faculty Club under the guidance NEHU Teachers' Association conduct various programmes, such as celebration of native festivals and donation cloths to the needy people. The sports facility of the university is made available for the use of local youths keeping in mind



their growth. To mobilize the institutions' extension programmes on the community, NEHU has several Centres of studies as well as State Resource Centre who are engaged in extension programmes which include among others participation in Sarva Shiksha Abhiyan, adult education, functional literacy and imparting training to government officials in area of eco-development and afforestation. The university faculty is also engaged in transfer of technology in the field of biotechnology including raising of plantation of genetically improved plant materials with the help of Department of Biotechnology, Government of India.

*3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.*

Besides the curriculum guided community works, many students takes part in NSS activities where blood donation, Socio-economic survey of the village, literacy programmes, demonstration on rural technologies and low cost sanitation, disaster management, formation of SHG's, waste disposal, cleaning drives, white washing of local schools, digging of water ponds/fish ponds, asset creation, quiz/debate, sports competitions, trekking, awareness on HIV/AIDS, drug abuse etc. Besides these activities, free medical and eye check-up camps have become a regular feature during these camps. Many student volunteers have received district and state level awards, a handful of them prestigious national and international recognitions as stated below:

- (1) Ms. Davida Paswett, NSS volunteers from the university were nominated by the Ministry of Youth Affairs and Sports to visit China as the member of Indian Youth Delegation (2010).
- (2) Mr.S S Kharbuli and Ms. Nashima Chaudhury, NSS volunteers from the university were nominated by the Ministry of Youth Affairs and Sports to visit China as the member of Indian Youth Delegation (2011).
- (3) Mr. S S Kharbuli and Ms. Nashima Chaudhury, NSS volunteers from the university attended the Republic day Parade Camp at New Delhi (2011).
- (4) Ms.Palvy Dora Kharkangar, a NSS volunteer was nominated by the Ministry of Youth Affairs and Sports to visit China as the member of Indian Youth Delegation (2012).
- (5) Mr. Tara Prasad Upadhyaya of the university was conferred with IGNSS award on 19th November, 2012 at New Delhi.
- (6) Mr. Shaisngi Lyngdoh and Ms. Dayomika Rhoda Kharsyntiew, NSS volunteers of the University were conferred with the Indira Gandhi NSS Award on 19th November 2013 at New Delhi.
- (7) Badonbok Paliar N and Ms. Karisma Tongper, NSS volunteers from the university attended the Republic Day Parade Camp at New Delhi, 2014.



### 3.7 Collaboration

3.7.1 *How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?*

Many faculties of the university have collaboration with various national and international institutes of repute. The linkage promotes Curriculum development, Internship, On-the-job training, Faculty exchange and development, Research, Consultancy, Extension, Publication, Student Placement.. The linkages due to collaborative research avenues help in undertaking high quality research particularly with the specialized Research Centres in India and abroad. Visits to such institutions by the faculty help them get an idea about the courses offered by these institutions which are helpful during revising our own courses. In such collaborations, exchange program takes place for student researchers as well which opens up their horizon towards research culture and knowledge. Some such research students get placements in collaborating institutions after completion of their Ph.D. Several collaborative programmes have built in mechanism of faculty exchange which provides exposure to the faculty and also opportunity of working in internationally renowned institutions. In fact many of our Ph.D. alumni working abroad are result of such fruitful collaborations. Some of the joint collaborations have resulted in high quality research publications. Most of the university departments are actively engaged in academics as well as R& D activities. Given the emphasis on multidisciplinary research to bring the research output to the door of common people, it is common endeavour for most of the faculties to outreach other centre of excellence on academics and research India as well as abroad. Such result afforded huge amount of linkages of the University with many institutes of repute, as delineated below:

- (1) Prof. M. S. Bisht of Centre for Science Education, NEHU collaborated with Prof. C. Nirmala, Department of Botany, Panjab University, Chandigarh.
- (2) Prof. M. S. Bisht of Centre for Science Education, NEHU collaborated with Dr. Kananbala Sarangthem, Department of Life Sciences, Manipur University, Canchipur.
- (3) Brinda Bazeley Kharbiryumbai of the Department of Education co-authored and jointly presented a paper titled "A study of memory level of teaching and culture" at the International Seminar on Cultures of Memory: Mnemocultural Praxis in South Asian Countries at English & Foreign languages University, Shillong Campus, in collaboration with ICSSR-NERC, CIFL-Mysore, ICSSR-New Delhi, and Maulana Abdul Kalam Azad of Asian Studies, Kolkata, in 7-9 November, 2013.
- (4) Prof. U. K. De of the Department of Economics worked as a visiting faculty of Economic Research Unit, Indian Statistical Institute Kolkata during 20-12-2013 to 03-02-2014.





- (5) Prof. R. Khongsdier of the Department of Anthropology collaborated with Dr. S. Bisai and Dr. K. Bose, Vidyasagar University, in a project on “Body composition in relation to obesity and associated factors among adolescents in Meghalaya and West Bengal”.
- (6) Dr. B.T. Langstieh of the Department of Anthropology collaborated with: (i) Prof. Maria Sasvari-Szekely and Dr. Csaba Barta, Institute of Medical Chemistry, Molecular Biology and Patho-Chemistry, Semmelweis University, Budapest, Hungary, and Dr. Anna Szekely, Institute of Psychology, Eötvös Loránd University, Budapest, Hungary, in a project on psychogenetics, (ii) Prof. Donna Leonetti and Dr. Geoff Kushnick, Department of Anthropology, University of Washington, Seattle, in a project on human behavioural ecology.
- (7) Dr. G. Ranjan of the Department of Anthropology collaborated with Dr. J. Seberg, Department of Anthropology, Aarhus University, Denmark, in a project titled “Nepal on the Move: Conflict, Migration and Stability.”
- (8) Dr. Sudipta Ghosh of the Department of Anthropology collaborated with Prof. Tom D. Brutsaert of Syracuse University and Prof. Fabiola Leon, President of UPCH university of Lima, Peru, in a project entitled “Natural selection and Genes determining Higher Arterial Saturation in Peruvian Quechua” funded by NSF, USA.
- (9) Professor B. K. Tiwari of the Department of Environmental Sciences has research collaboration with Friedrich-Schiller-Universität Jena, Löbdergraben 32, 07743, Jena, Germany, and during the year under report NEHU signed a MOU with Friedrich-Schiller-Universität, Jena to institutionalize the on-going collaboration with Professor Tiwari as one of the nodal points.
- (10) Professor Devesh Walia of the Department of Environmental Sciences has research collaboration with EOS- NTU, Singapore, IIG, Navi Mumbai, Department of Physics, NEHU, Shillong.
- (11) Professor Devesh Walia of the Department of Environmental Sciences has research collaboration with Earth Observatory of Singapore, NTU, Singapore; IIG, Navi Mumbai, Department of Physics, NEHU, Shillong.
- (12) Prof. H.J. Syiemlieh and Mr. Danny M. Synnah of the Department of Geography are collaborating with (i) Dr. P. Prokop, Dept. of Geoenvironmental Research, IGIZ, Polish Academy of Sciences, Krakow, Poland.
- (13) Prof. H.J. Syiemlieh and Dr. L. Cajee of the Department of Geography are collaborating with Prof. T. Hayashi, Disaster Prevention Research Institute, Kyoto University, Japan.
- (14) Prof B.S. Mipun of the Department of Geography is a team member in the collaboration with Friedrich Schiller University, Jena, Federal Republic of Germany.
- (15) Dr C P Suresh of the Department of Horticulture is the supervisor for Mr. Sarad Gurung, Ph.D. Scholar IXth Semester, Department of Pomology & Post-Harvest Technology, Uttar Banga Krishi Viswavidyalaya. Thesis title: “Efficacy of in-





- organic & organic amendments, growth regulators and micronutrients on the performance of Darjeeling Mandarin Orange”.
- (16) Dr C P Suresh of the Department of Horticulture is the co-supervisor for Mr. Bilok Sharma Ph.D. Scholar IVth Semester, Department of Botany, North Bengal University, Siliguri. Thesis title: “Studies on different cultural conditions for commercial production of pineapple (*Ananas comosus* L.)”.
  - (17) Dr. Binu Mathew of the Department of Rural Development & Agricultural Production is collaborating with the Don Bosco College, Tura, Meghalaya as Co-investigator of Biotech Hub Project entitled ‘In vitro propagation of endangered/economically important plants & DNA-Barcoding of animals/plants’ sponsored by DBT (NER), Ministry of Science and Technology, New Delhi.
  - (18) Ms. Rimi Nath of the Department of English was a member of the editorial board for a book project *The Age of Asian Migration: Continuity, Diversity and Susceptibility* (City University of Hong Kong).
  - (19) A collaborative research project has been started by Prof. R. N. Sharan of the Department of Biochemistry with Dr. A. Mishra at IIT Rajasthan, Jodhpur with funding by BRNS. Three collaborative projects of Prof. D. Syiem, Prof. A. K. Singh & Dr M. B. Syiem of the same department under DBT-Twinning are continuing in the department. Two other collaborative DBT-funded research projects are running in the laboratory of Dr. T. Tripathi of the Department of Biochemistry. There are also research collaborations at individual level with the following institutes: Toho University, Japan; Research Centre, Juelich, FRG; Osaka University, Japan; University of Cambridge, UK; Newcastle University, UK; JNU, BHU, etc.
  - (20) The Department of Biotechnology & Bioinformatics of NEHU has started new collaboration in R&D with NIPER-Chandigarh, Bose Institute-Kolkata, Visva Bharati University- Santiniketan, West Bengal, Molecular Biology Division- BARC, Mumbai, National Institute of Technology- Durgapur, West Bengal, University of Madras, IIT Kharagpur, West Bengal.
  - (21) The Department of Botany of NEHU has developed collaborative research with Jawaharlal Nehru University, New Delhi, Herbal Research Lab., Ramnarain Ruia College, Mumbai, Banaras Hindu University, Varanasi, Indian Institute of Horticultural Research (IIHR), Bengaluru, National institute of Plant Genome Research, New Delhi, University of Jammu, Jammu, University of Kashmir, Srinagar.
  - (22) The Department of Botany of NEHU is coordinating a collaborative research project with 37 Universities/Institutions all over the country under the DBT programme, “Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools.”
  - (23) The Department of Botany of NEHU is coordinating another collaborative research project with 16 Universities/Institutions all over the country under the All India Coordinated research project on “Quantification of Sacred Grove Ecosystem Services”, sponsored by Ministry of Environment and Forests.”



- (24) The Department of Botany of NEHU has academic level collaboration with Feiburg University, Feiburg, Germany and University of Ljubljana, Slovenia.
- (25) Prof. N. Saha of the Department of Zoology of NEHU collaborated with Dr. Manas K. Santra, Scientist D, National Centre for Cell Sciences, Pune.
- (26) Prof. A. S. Dixit of the Department of Zoology of NEHU collaborated with (i) Prof. V. Kumar, Department of Zoology, Delhi University, Delhi (ii) Prof. Sangeeta Rani, Department of Zoology, Lucknow University, Lucknow.
- (27) Dr. B. Das of the Department of Zoology of NEHU collaborated with (i) Dr. Amit Sharma, International Centre for Genetic Engineering and Biotechnology, New Delhi (ii) Prof. K. Satyamoorthy, Manipal University, Manipal; Prof. S. Mishra, ILS, Bhubaneswar, Odisha and (iii) Dr. A. Kataki, BBCI, Guwahati, Assam; North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Shillong.
- (28) Prof. A. K. Yadav of the Department of Zoology of NEHU collaborated with Dr. Andreas-Schmidt Rhaesa, University of Hamburg, Germany on Biodiversity of Indian Nematomorpha and published joint papers out of collaborative work.
- (29) Prof. A. S. Dixit of the Department of Zoology of NEHU collaborated with (i) Prof. Kazuyoshi Tsutsui, Laboratory of Integrative Brain Research, Department of Biology, Waseda University, Tokyo, Japan.
- (30) Dr. S. Ghosh of the Department of Zoology of NEHU collaborated with National Institute of Biomedical Genomics, Kalyani, WB.
- (31) Dr. S. R. Hajong of the Department of Zoology of NEHU collaborated with Dr. Salmah Yaakop, Centre for Insects Systematic, School of Environmental and Natural Resource Sciences, Faculty of Science and Technology, Kebangsaan University, Malaysia.
- (32) Dr. B. Das of the Department of Zoology of NEHU collaborated with (i) Dr. Rakesh Kumar, Department of Biochemistry and Molecular Biology, Institute of Coregulator Biology, Washington, USA and (ii) Dr. V. Ferro, SIPBS, Strathclyde University, Scotland, UK.
- (33) Prof. K. Ismail of the Department of Chemistry has academic collaborations with (i) Dr. V. K. Aswal, Solid State Physics Division, Bhabha Atomic Research Center, Mumbai (ii) Dr. P. A. Hassan, Chemistry Division, Bhabha Atomic Research Center, Mumbai (iii) Dr. S. Mahiuddin, Materials Science Division, CSIR-North East Institute of Science and Technology, Jorhat (iv) Dr. R. Biswas, Chemical, Biological and Macromolecular Sciences, S. N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata.
- (34) Prof. R. A. Lal of the Department of Chemistry has academic collaborations with Dr. Arvind Kumar, Department of Chemistry, Faculty of Science and Agriculture, the University of West Indies, St. Augustine, Trinidad and Tobago.
- (35) Prof. K. M. Rao of the Department of Chemistry has academic collaborations with (i) Prof. Yuriy Mozharivskyj, Department of Chemistry and Chemical Biology, McMaster University, Canada (ii) Prof. Roger M Phillips, Department of Cancer



- Pharmacology, Institute of Cancer Therapeutics, University of Bradford, Bradford, UK (iii) Prof. Dr. Habil Werner Kaminsky, Department of Chemistry, University of Washington, Seattle, WA 98195, USA.
- (36) Prof. A. K. Chandra of the Department of Chemistry has academic collaboration with Quantum Chemistry Group, University of Leuven, Belgium.
- (37) Prof. G Bez of the Department of Chemistry has R & D collaboration with Dr Sarabani Ghosh Laskar of TMS, Mumbai.
- (38) Dr. T. S. Basu Baul of the Department of Chemistry has academic collaborations with Prof. A. Linden, University of Zurich, Switzerland; Prof. H. K. Fun, University of Malaya, Malaysia; Prof. G. Eng, University of the District of Columbia, USA; Prof. E. R. T. Tiekink, Universiti Sains Malaysia, Malaysia, Prof. U. Englert, Institut für Anorganische Chemie, RWTH Aachen University, Germany, Prof. M. Fátima C. Guedes da Silva, University of Lisbon, Portugal, Prof. A. Duthie, School of Life & Environmental Science, Deakin University, Australia, Prof. P. Singh, Guru Nanak Dev University, Amritsar, Dr. S. K. Manna, Centre for DNA Fingerprinting and Diagnostics, Hyderabad.
- (39) Dr. M. K. Sahoo of the Department of Chemistry has academic collaborations with Prof. R.N. Sharan, Dept. of Biochemistry, NEHU, Shillong; Dr. D. B. Naik, Radiation and Photochemistry Division, BARC, Trombay, Mumbai; Dr. C. Srinivas, Process Development Division, BARC, Trombay, Mumbai.
- (40) Dr. S. Mitra of the Department of Chemistry has academic collaborations with Prof. D. Kumar, BITS, Pilani; Dr. A. Bhasikuttan, BARC, Mumbai.
- (41) Prof. P. Shukla of the Department of Physics, NEHU visited the International Centre of Theoretical Physics, Trieste, Italy, during Nov. 19 – Dec 19, 2013; and the Institute of Mathematical Sciences, Chennai, India, during Jan. 5 – Feb. 5, 2014, on their invitations for collaborative research work.
- (42) Prof. B. Jyrwa of the Department of Physics, NEHU is engaged in close collaboration between NPD (Nuclear Physics Division) and RCD (Radio Chemistry Division) of BARC at Trombay, Mumbai, regarding experimental studies of nuclear reaction involving photon and neutron cross sections from Structural materials and the theoretical interpretation of the data obtained thereby. There is also close collaboration with IAEA from Vienna regarding compilation of Nuclear Data and their evaluation by calculating the covariance matrices and studying the error propagation of the experimental results.
- (43) Dr. T.K. Chakrabarty of the Department of Statistics visited Applied Statistical Unit, Indian Statistical Institute, Kolkata during the period November 20, 2013 to January 31, 2014 for collaborative research in the area “Density estimation from retrospective duration data with selective recall errors”.
- (44) The Department of Biomedical Engineering has academic collaborations with North Eastern Indira Gandhi Institute of Regional Health Medical Sciences (NEIGRIHMS), Shillong, and Indian Institute of Technology, Guwahati.



- (45) Dr. H. Choudhury of the Department of Basic Sciences & Socila Sciences has collaborative research with (i) Dr. A. Chettri, Sikkim University, Gangtok, Sikkim and Dr. K. K. Singh, GBPIHED (Sikkim Unit) Sikkim on “Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools”, and (iii) Dr. S. Shailajan, Dr. S. Pednekar and Dr. S. Menon of Herbal Research Lab, Ramnarain Ruia College, Mumbai, on (a) “Phytochemical profiling, molecular characterization and conservation of *Flemingia vestita*: Endemic medicinally important plant of Northeast India”, and (b) “Molecular characterization and chemoprofiling of two pharmacologically relevant species of *Dendrobium* found in Northeast India”, and (iv) with Dr. P. Kumari of BSI, Howrah, West Bengal on “Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools”.
- (46) The ECE has research collaborations on consortium mode with
- IIITH, IIT Kanpur, Thapar University Patiala, IIT Guwahati, Tezpur University Tezpur, Rajiv Gandhi Institute of Technology (RGIT) Kottayam, DA-IICT Gandhinagar, IIT Hyderabad and IIT Kharagpur on the *Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages*.
  - IIT Guwahati and NIT Silchar on the *Development of Speech based Multi-Level Person Authentication System*.
- Dr. L. J. Singh is the PI from NEHU for these two consortium projects, (a) and (b), which are funded by the DeitY, MCIT, GoI .
- Dr. L. J. Singh is also the co-ordinator of NPMASS programme under which a MEMS Design Centre (National Centre) was established in NEHU. NPMASS programme is coordinated by IISc. with fundings mainly from ADA, GoI.
- (47) Dr. R. Subadar of the Department of Electronics & Communication Engineering is guiding one Ph. D. Student at North Eastern Regional Institute of Science and Technology, NERIST, Nirjuli, Itanagr, Arunachal Pradesh.
- (48) Dr. Anindya Halder of the Department of Computer Applications performed collaborative research and published research articles with (i) Center for Soft Computing Research, Indian Statistical Institute, Kolkata, (ii) Dept. of Computer Science & Engineering, Jadavpur University, Kolkata and (iii) Dept. of Computer Science & Engineering, Academy of Technology, Aedco Nagar, Hooghly, West Bengal, India.
- (49) The Department of Nanotechnology has academic collaboration with Bhabha Atomic Resrach Centre, Mumbai and also with the Department of Physics, Manipur University.

The collaborative research within the departments and university is a routine in the University and can be measured from the expertise of the investigators associated with the projects shown in the tables under sub-clause 3.2.3. The collaboration



with other national and international institutes in publishing research articles is very high in numbers. Some of the collaboration in projects is highlighted below:

Name of the Faculty	Funding agency	Total grant in Lakh ₹
R. N. Sharan	BRNS, Mumbai in collaboration with IIT, Jodhpur	25
N. K. Chrungoo	Indo-Slovenian Science and Technology Cooperation (with I. Kreft, Slovenia)	3.84
N. K. Chrungoo, PI; Collaborator: P.M. Ravi, BARC, PC	DAE-BRNS	28.67
L. J. Singh/ S. K. Dutta	DeitY (with IITM, IITKgp, IITK, IITH, IITG, TU, RITK, SITT, ThU, DA-IICT)	30.015
L. J. Singh/ Fidalizia Pyrtuh	DeitY (With IITG, NITS)	57.03
M. S. Dkhar, H. Kayang Collaborators: N.K. Dubey (PI) (BHU); Richa Raghuvanshi (Co-PI) (BHU)	DBT, New Delhi (Twinning Project for NER, 3 years w. e. f. March 2014)	59.35
S. Kumaria (PI), H. Choudhury Collaborators: Sunita Shailajan Herbal Lab., Mumbai	DBT, Government of India	11.11
S. Kumaria (PI), M. C. Das, H. Choudhury Collaborators: Sunita Shailajan Herbal Lab. Mumbai	DBT's Twinning programme for the NE.	7.75
A. Chatterjee	DBT,DST,DRDO	135.15
S. R. Rao	NAIP/ICAR, UGC, DBT	376.5
S. R. Joshi	DIT, NEC, DBT, DAE, OIL	444
S. Majaw	DST,DBT	68.7
A. Bhattacharjee	DBT	57.11
K. Agun	DBT	96.12
G. Bez	DAE-BRNS	27.44
S. Mitra	DAE-BRNS	100
M. K. Sahoo	DAE/BRNS Mumbai.	27
T. S. B. Baul	BRNS	52
Amarat K. Pal	DBT	15.12
B. M. Jyrwa	BRNS, DAE	8.16
B. M. Jyrwa	BNRS, DAE	24.00
Dinesh Bhatia	DBT	36
S. Khatua	DAE/BRNS	27.6

Table 2.33: Few Collaborative Research Works in the University.

### 3.7.2 Mention specific examples of how these linkages promote :

- \* Curriculum development
- \* Internship
- \* On-the-job training
- \* Faculty exchange and development



- \* Research
- \* Publication
- \* Consultancy
- \* Extension
- \* Student placement
- \* Any other (please specify)

The linkages due to collaborative research avenues help in undertaking high quality research particularly with the specialized Research Centres in India and abroad. Visits to such institutions by the faculty help them get an idea about the courses offered by these institutions which are helpful during revising our own courses. In such collaborations, exchange program takes place for student researchers as well which opens up their horizon towards research culture and knowledge. Some such research students get placements in collaborating institutions after completion of their Ph.D. Several collaborative programmes have built in mechanism of faculty exchange which provides exposure to the faculty and also opportunity of working in internationally renowned institutions. In fact many of our Ph.D. alumni working abroad are result of such fruitful collaborations. Some of the joint collaborations have resulted in high quality research publications. Collaborations with local institutions and NGOs help in implementation of extension and outreach programmes.

*3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?*

Although the university is in initial stage of discussions with potential collaborators from institutes of national/ international repute about institutional collaboration through MoUs, the collaborations are mostly faculty level at present time.

*3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?*

Nil.

*Any other information regarding Research, Consultancy and Extension, which the university would like to include.*

The university has been able to promote high quality research and has been able to inculcate the habit of publishing in high quality journals and standard books by encouraging them to take sponsored research projects and foster linkages with other institutions of higher research. This practice has paid rich dividends. For example, many departments are recognised under UGC-SAP and DST-FIST programme. The



University has pride herself for being part of University with Potentials of Excellence programme by UGC.

The university has been able to generate massive grants for enhancing the infrastructure of research and replacement of obsolete equipments. Through the grants received under UPE programme of the UGC research activity has been boosted significantly and many Departments/Centres or faculty members who had potentials but were not able to generate research findings have been included in this programme. Thus research has become a vibrant activity in the University. The University has also signed MoU with DRDO, New Delhi for collaborative research and funding of research projects of mutual interest. Extension services have also increased significantly. For example, the Centre for Continuing Education has taken up a large project on empowering the tribal students for securing jobs. The faculty of the Departments of Sociology, Biochemistry, Rural Development and Agricultural Production, Centre for Environmental Studies join hands with NGOs and CBOs to disseminate and share their knowledge and experiences. The University has evolved a mechanism of monthly meetings of the Heads of all the Departments/Centres of Studies to ensure greater coordination in the process of teaching, research and extension activities. In relevant Departments and Centres extension works are taken up. In fact the Centre for Continuing Education has taken up large scale extension work in the field of enhancing employability of the youth. The University has several extension oriented programmes supported by different ministries of governments of India and State government where the faculty members provide their expertise in training the government officers and help them in policy formulation and decision making based on problem specific studies conducted by the university.





## CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

4.1.1 *How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?*

The infrastructure is created based on the requirements/feed back furnished by the concerned User Department. The optimal utilization of this physical infrastructure are being monitored by the concerned Department.

4.1.2 *Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.*

Yes, the infrastructure created by the University are based on norms, guidelines etc. stipulated by the University Grants Commission as laid down in the relevant documents of the plan period. These guidelines etc. have been followed by the internal Planning Department of the University. The implementation of the infrastructure taken up by the University during the XII Plan period bears testimony of this fact.

4.1.3 *How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?*

These are the facilities which are in-built in the building plan during the course of planning of infrastructure for the individual Department.

4.1.4 *Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?*

The facilities like office room, common room etc. has been provided in the Departments are in general in nature and not gender based. However, rest room facilities for women students and staff have been provided separately.

4.1.5 *How does the university ensure that the infrastructure facilities are disabled-friendly?*

As of now, barrier free environment for physically disabled students and staff, have been provided by way of ramp, lift and toilet facilities etc. in some of the buildings. More such buildings are being provided with such facilities for which, tenders are being invited and the work shall be started soon.



4.1.6 How does the university cater to the requirements of residential students?  
Give details of

a. Capacity of the hostels and occupancy (to be given separately for men and women)

Sl. No.	Name of the Hostel	Hostel Type	Intake Capacity	Number of Inmates
1	Arbella	Men (U.G.)	100	100
2	Chhinglung	Men (R.S.)	47	47
3	Japfu	Men (R.S.)	95	95
4	Kupli	Men (P.G.)	100	100
5	Kynrem	Men (P.G.)	100	100
6	Mawthadraishan	Men (U.G.)	100	100
7	Renggira	Men (U.G.)	100	100
8	Sohpetbneng	Men (R.S.)	46	46
9	Symper	Men (U.G./P.G.)	100	100
10	Thadlaskein	Men (R.S.)	50	50
11	Umngot	Men (P.G.)	100	96
12	Weinia	Men (U.G.)	100	100
<b>Total (12 Mens' Hostel) :</b>			<b>1,038</b>	<b>1,034</b>
13	Balgido	Women (P.G./R.S.)	49	49
14	Kyllang	Women (P.G.)	100	100
15	Lasubon	Women (P.G.)	48	48
16	Miktoksi	Women (U.G./P.G.)	100	96
17	Nohsngthiang	Women (U.G.)	100	96
18	Pahsyntiew	Women (R.S.)	50	50
19	Persara	Women (R.S.)	48	43
20	Sensiar	Women (P.G./R.S.)	146	140
21	Syntuksiar	Women (P.G.)	100	100
22	Umiam	Women (P.G.)	100	96
<b>Total (10 Womens' Hostel) :</b>			<b>841</b>	<b>818</b>
23	International (U.G./P.G./R.S.)	Men	24	11
		Women		7
<b>Total (1 International Hostel) :</b>			<b>24</b>	<b>18</b>

Table 2.34: Capacity of the Hostels and Occupancy

b. Recreational facilities in hostel/s like gymnasium, yoga centre, etc.

Each hostel has a separate room meant for TV/Common reading room along with another room having creative/sports items like Table Tennis (TT) Board, Carom board, Treadmill etc. The University also has 2 (two) numbers of gymnasiums below health centre fully equipped with modern gym equipments separately for boys (26 stations) and girls (8 stations). The gymnasium has separate toilets and bathrooms for boys and girls. Provision for music and drinking water is also available in the gymnasium. A gym trainer is also attached to look after the gym activities along with security personnel.

c. Broadband connectivity / wi-fi facility in hostels.

Each hostel has been provided with minimum of two Access Point (AP)s having



Internet connectivity speed of 1Giga bits per second (Gbps) extended from the University's National Knowledge Network (NKN) infrastructure.

*4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?*

Facilities that are available in the Health Centre:

- a. The Medical Officers are available for consultation from 9:30 a.m. to 5:30 p.m. on working days and 9:30 a.m. to 12:30 Noon on Saturdays and holidays.
- b. The Resident Medical Officers and Resident Nurse are doing emergency duty outside duty hours whenever needed.
- c. First Aid service is provided at different sport tournaments organized by the University.
- d. Medicines which are available at the Health Centre are being given free of cost to the patients basing on the prescription by the Medical Officers.
- e. Dressings, injections and minor surgical procedures are carried out in the Dressing Room.
- f. Bio – Chemical and Clinical Pathology tests for blood and urine analysis are performed in the Laboratory of the Health Centre.
- g. In the observation room, moderately sick patients have been taken care off for giving IV drips etc.
- h. Ambulance service is provided during emergency for transporting the severely sick patients from residence to Clinic/Hospital.

*4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?*

Indoor stadium for badminton and table tennis, football ground with multi sports facilities and two basketball courts with acrylic boards are special facilities available on campus to promote student's interest in sports events/activities. Martial arts like that of Karate and kick boxing have also been introduced to the girl students of the University.

## **4.2 Library as a Learning Resource**

*4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?*

- a. The library have two Advisory Committees, Library Committee and Library Standing Committee.
- b. The Library Committee, is composed of the Vice-Chancellor (VC) as Chairman, Pro Vice-Chancellor (PVC)s, Dean of Schools, Two Heads of Departments, one



representing Social Sciences, the other Sciences and nominated by the Vice Chancellor, three members co-opted by the Vice Chancellor, Two experts in the field of librarianship, one principal from among the affiliated colleges, the Finance Officer, one representative each from the library sub-committee of campuses and constituent colleges to be nominated by the Vice Chancellor and the librarian as Ex-Officio Secretary.

- c. The Library Standing Committee is composed of Deans of Schools with the senior most Dean as the Chairman and the Librarian as Ex-Officio Secretary.
- d. To make the library student/user friendly, the Library Committee had been looking after the library management, its proper furnishing and use including the services it rendered to users. Apart from annual reviewing of the functioning of the library, it initiates suggestions for library budget every year and allocate funds to different departments in order to meet the need of the users. It had initiated policies which had been guiding the librarian for the smooth functioning of the library. It's with the initiative of the Library Committee that the departmental library in the Law Department could be established to comply with one of the requirement of the Bar Council of India. As part of its basic role, the library standing committee had initiated guidelines on matters related with book selection and requisition through the book indents reviewing and approval procedures. This is to ensure that reading materials are made available to the users when they require them.

#### 4.2.2 Provide details of the following

- \* Total area of the library (in Sq. Mts.) : 5625 Sq. Mts. (Carpet area Phase I and II).
- \* Total seating capacity : 300 staff capacity.
- \* Working hours (on working days, on holidays, before examination, during examination, during vacation).  
Working days : 08 A.M. To 7 P.M.  
Holidays : 10 A.M. To 4 P.M.
- \* Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

##### Ground Floor:

- Newspaper and Magazines having lounging area with a seating capacity of 30 with Wifi facility for accessing e-resources and relaxed reading including browsing even during holidays.
- Library Digitization Lab.
- ETD Lab.
- Library Members Registration area.
- Photocopying facility.
- Social Sciences, Education and Linguistics books stack with provision of 30 study tables and chairs.



- Course Book Section where textbooks and local collection are shelves with 6 study carrels.
- Philosophy, Library Science and Religion books stack areas with provision of 12 study tables and chairs.
- Binding Unit.
- Private Collection.
- Acquisition Section.
- Office of the Librarian and Deputy Librarian.
- On-line Public Access Catalogue (OPAC) ton 3 computer terminals.
- Circulation Desk with 4 computer terminals for issue/return using Barcode and Radio-Frequency IDentification (RFID) readers.

First Floor:

- Social Sciences Back Volumes and North East Collection books stack with provision of 26 study tables and chairs
- Technical Section for processing of procured books.
- Internet Services Area with seating capacity of 29 computer terminals for accessing e-resources.
- English, History, Geography, Commerce and Khasi books stack with provision of 26 study tables and chairs.
- Hindi, Science Books Stack with provision of 10 reading tables and chairs for relaxed browsing.
- School of Technology and Architecture books stack with reading area facilities with seating capacity for 12 readers.

Second Floor:

- Documentation Section where government publications and annual reports are kept with provision of 9 study tables and chairs.
- Life Science Back Volumes stack with provision of 8 study tables and chairs.
- Periodical Section where current periodicals are displayed with 41 study tables and chairs.
- Printed Thesis and Dissertations stack with study tables and chairs.
- Reference Books Section.
- Physics Back Volumes having provision of 15 study tables and chairs.

Third Floor:

- Mathematics Back Volumes Stack with study table and chairs.
- Reprography and Audiovisuals Unit.
- Conference Hall with seating capacity of 50.
- Chemistry Back Volumes Stack with study tables and chairs.
- Computer Unit.



- \* *Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection*

The library has prominently displayed its floor plan on the ground floor in both sides of the circulation desk area. The display boards clearly indicates the various locations of books in different stack areas, sections, rooms and services available. Sign boards are placed at all strategic points of the building for easy access to designated areas. Fire alarms and fire extinguishers are placed at several locations on all floors. Ramps being part of the library designed and elevators (2 Nos.) allow the differently – abled users to access the library. While the library has an open access to its collection, the course book section, and the private and local collection are closed-access.

#### 4.2.3 Give details of the library holdings:

- a) *Print (books, back volumes and theses)*

The library collection core collections are the books, back volumes and theses. As on 31<sup>st</sup> March 2014, the total Library Collection is 2, 74, 751 Vols., the number of back volumes is 10882 volumes and Ph.D. theses that are available in the library is 1364.

- b) *Average number of books added during the last three years*

The average number of books added during the last three years is 4156 volumes.

- c) *Non Print (Microfiche, AV)*

The library has the First Indian census records of 1871 and the Assam Legislative Assembly reports of 1951 in Microfiche form while the Miles Bronson's records and writings are also available in microfilm form.

- d) *Electronic (e-books, e-journals)*

The following online databases and e-journals were subscribed by the library:

- Biological Abstracts
- IndiaStat
- Organisation for Economic Cooperation and Development (OECD) Education iLibrary (Online and Archive)
- Library and Information Abstracts
- IEEE/IET Electronic Library (IEL) Online from IEEE
- Lecture Notes in Computer Science (LNCS)
- Library and Information Science Abstracts.

Apart from these own subscriptions, the library also gain access to more than 8500 peer-reviewed e-journals (with more than 10 years back files or volume 1 onwards in several cases) and 10 bibliographic databases which are available through the UGC INFONET Digital Library Consortium. The university also gain access to DBT DeLCON-Consortium whereby 932 e-journals are accessible



from 22 publishers which caters to the life sciences, biotechnology and medicine disciplines. These are accessible from within the library and across the university local area network which includes academic departments etc.

e) *Special collections (e.g. text books, reference books, standards, patents)*

There are 28,574 volumes comprising of text books and reference books which includes government publications and reports as on 31<sup>st</sup> March 2014. The library also preserve over 1200 rare and out of print books as “Private Collection” pertaining to philosophy, religion etc. The library during 2014 subscribed to 136 foreign and 129 indian journals in print. The library also subscribed to 17 newspapers comprising of national, regional and local vernacular and 14 magazines.

f) *Book Banks*

The entire book collection in the library is accessible to all its registered members as per lending/loan policy. Library does not maintained a separate book bank for the purpose.

g) *Question Banks*

The library does not maintained question banks. However, through the library digitization project, question papers made available to the library in print were converted to digital format and archived on the digital library.

#### 4.2.4 *What tools does the library deploy to provide access to the collection?*

\* *OPAC*

The OPAC is accessible locally and remotely over the Internet at the following URL <http://library.nehu.ac.in>.

\* *Electronic Resource Management package for e-journals*

The library uses the package JgatePlus as the electronic resource management package for e-journals. This is accessible through the UGC INFONET Digital Library Consortium.

\* *Federated searching tools to search articles in multiple databases*

At present, the library depends on JgatePlus the electronic resource management package as a federated searching tool for searching articles in multiple databases. The library also guides it's users to use google search engine including google scholar as a federated tool since the library's OPAC is indexed and searchable through it. Efforts is in progress to implement a customized federated searching tool which will act as a single interface for searching.

\* *Library Website*

The library website is locally and remotely accessible through the Internet at the following URL <http://www.nehu.ac.in/library>. Link to the library website is available on the University's home page.

\* *In-house/remote access to e-publications*

All the e-publications are accessible in-house through the University's Local Area





Network (LAN) infrastructure. Proposal had been initiated to provide remote access to the e-publications understanding that there is a demand from users.

4.2.5 *To what extent is ICT deployed in the library? Give details with regard to :*

\* *Library automation*

The library house-keeping activities including OPAC is presently being managed by the open source integrated library management software – Koha which is accessible in the library network with the support of managed switches. Along with Barcoding, RFID technology had been implemented since 2012 to improve library services and enhance the security of library books. As part of the RFID implementation, SMART ID cards have been introduced by the library. Thus a single ID card functions as an employee/student ID card and also as a library card. RFID kiosk is placed next to the circulation desk for only self-query by the members. The library is equipped with hand-held readers and RFID gate antenna. Till date a total of 1 lac books have been tagged. The entire library automation is being backed by two powerful blade servers HP BL460c separately for the library management software and RFID middleware. The library also can access to the various e-resources both free and subscribed through the 1Gbps NKN Internet infrastructure.

\* *Total number of computers for general access*

The library provides 38 computers to the library users for access to the library OPAC and other e-resources.

\* *Total numbers of printers for general access*

The library provides 1 heavy-duty document management machine for printing of e-resources as per user's requirement at a nominal fee. However, w.e.f. August 2014 this facility had been outsourced.

\* *Internet band width speed (a) 2 Mbps, (b) 10 Mbps, and (c) 1 Gbps.*

The maximum Internet speed in the library is 1Gbps depending on the card compatibility.

\* *Institutional Repository*

As part of the UGC Initiative University's with University with Potential for Excellence (UPE), library digitization project was implemented. Under this project, a digital library was established which also functions as an Institutional Repository for the University. This is accessible at <http://dspace.nehu.ac.in>. Till date, it hosts important university documents viz. Annual reports etc., publications of faculty members, research scholars and students in the form of journal and conference proceedings articles, question bank and other rare digital format of valuable and out of copyright documents which are available in the library in print pertaining to the North-East India region. Till date there are around 6000 digital documents that have been uploaded in the repository. The entire infrastructure was established in the Library Digitization Lab in the ground floor of the library.



The lab is equipped with Bookeye 3 colour Book Scanner (1 No.), HP Designjet 4500 Document Scanner (1 No.), Flatbed book scanner (1 No.), Handheld portable scanner (1 No.), laptop (1 No.), projector (1 No.), HP Workstations (2 nos.), Personal Computers (6 Nos.), HP LaserJet Printer (1 No.), HP Deskjet f4400 (1 No.), Canon ir2345 digital copier (1 No.), Uninterrupted Power Supply (UPS) (2 Nos.), HP Blade Servers (3 Nos.), HP Storageworks Ultrium 920 SAS Tape Drive (1 No.), networked managed switch (1 No.) and HP SAN Storage DL380GS 1200GB (1 No.). The entire lab is under controlled environment with Air Conditioners (2 Nos.) and is supported by a 125 kVA auto generator in case of power failure.

\* *Content management system for e-learning*

Though the library till date have not implemented content management system for e-learning per se however, the integrated library management software adopted which are accessible by all students and faculty members from their respective departments have some of the basic features to support e-learning.

\* *Participation in resource sharing networks/consortia (like Information and Library Network (INFLIBNET))*

The library is a member of the UGC INFONET Digital Library Consortium for resource sharing across networks. Till 2013, the university had enrolled as a member of the All India Council for Technical Education (AICTE) Indian National Digital Library in Engineering and Science and Technology (INDEST) Consortium whereby e-resources subscriptions were made available at reduced rates for the School of Technology of the University. The university is also shares the resources that are being provided by the DBT DeLCON-Consortium which caters to the needs of the users of life sciences, biotechnology and medicine.

#### 4.2.6 Provide details (per month) with regard to:

\* *Average number of walk-ins*

Average number of walk-ins : 6500 per month for the period 2012-14.

\* *Average number of books issued/returned*

Average number of books issued/returned: 6052 issued, 5070 returned per month  
Ratio of library books to students enrolled : 1:5 for PG and 1:10 for UG students.

\* *Average number of books added during the last four years*

Average number of books added during the last four years : 4156 volumes.

\* *Average number of login to OPAC.*

Average number of login to OPAC : 42,538 per month for the period Feb. 2014 - Feb. 2015.

\* *Average number of login to e-resources.*

Average number of login to e-resources : 732 per month (access from library only).

\* *Average number of e-resources downloaded/printed.*

Average number of e-resources downloaded/printed : 18,037 per month.



\* *Number of IT literacy trainings organized*

Number of IT literacy trainings organized: Library organized such trainings to library users through product presentations from publishers once in a semester. Since 2012, sectional trainings have been initiated to the library staff to train them on the use of the integrated library management software and RFID tools. Library users are being trained on the use of IT tools and application to effectively use them when support their information needs.

4.2.7 Give details of specialized services provided by the library with regard to:

\* *Manuscripts*

Library does not have manuscript collection.

\* *Reference*

Reference service is being provided by the Periodical Section and the Documentation Section through the subscribed current journals, back volumes, newspaper and magazines, government publications and reports and other reference books like encyclopaedia etc. E-journals and IndiaStat databases are also the most used reference materials especially amongst research scholars.

\* *Reprography/Scanning*

The reprography unit of the library provides the photocopying and printing services to library users with the support of three heavy-duty copiers. It's service could be measured by around 78,000 photocopies and 4200 printouts in a year. However, w.e.f. August 2014, this service was outsourced.

\* *Inter-library Loan Service*

Though there is no demand for this service related with printed books, however, journal articles are the most sought after resources amongst research scholars. The sharing of such resources is being facilitated by UGC INFONET Digital Library Consortium Inter Library Loan Services using a platform JCCC/JgatePLus. On the average more than 450 full-text journal articles were despatched in order to fulfil such requests during the period 2012-14.

\* *Information Deployment and Notification*

Information deployment is being managed either manually or electronically usually through emails and on university / library website.

\* *OPACS*

The OPAC is locally or remotely accessible over the Internet at a URL <http://library.nehu.ac.in>. Within the library, users can access it from any of the 38 computer terminals provided for the purpose. OPAC can also be accessed remotely by the academic fraternity from their respective departments, labs, residences using any device having Internet connectivity. The NEHU Central Library OPAC is also accessible by any members of the public with minimal restrictions. Primarily the users access the OPAC to check the availability of books, journals and other



reading material in a library.

\* *Internet Access*

Internet Access service in the library is being provided by the Internet Room located in the first floor of the library. The facility is equipped with 29 computer terminals all with Internet access. This is the most frequented area in the library. Users can browse, view and download the electronic articles which can be stored in a Network Attached Storage provided for the purpose. A Wi-Fi facility is also available to the library users who prefer to access the Internet using their own laptop computers / other hand-held devices in the lounging area within the newspaper and magazines sections. The availability of this service attracts library users to frequent the library even during the holidays too.

\* *Downloads*

Library users can download full-text reference material in electronic format and stored locally on the PC or in the Networked Attached Storage (NAS) provided for the purpose. These downloaded materials could be transfer to other portable memory devices or can be printed.

\* *Printouts*

Downloaded materials could be printed directly into the printer allocated for the purpose at nominal rates. However, w.e.f. August 2014, this service had been outsourced.

\* *Reading list/ Bibliography compilation*

With the launching of the OPAC which is accessible from any computer terminal locally within the university campus and remotely outside it, the need for Reading list/ Bibliography compilation have diminished for which it's compilation have been discontinued.

\* *In-house/remote access to e-resources*

All the e-resources that are subscribed by the library and those available through the UGC INFONET Digital Library are accessible in-house within the four walls of the university on the LAN. These resources are also accessible from the other parts of the university campus be it the academic departments, labs etc. With the rising demand from users, library has initiated a proposal to activate remote access to e-resources off campus.

\* *User Orientation*

The library as part of its user's education programme conducts annually User Orientation Programme during the month of August – September for the benefit of the newly admitted students (both PG and UG) and research scholars of various departments in the university. Through this programme potential library users were introduced to the basic approach on how to use the library in order to avail the services that it rendered in order to meet their information need. Lately the academic fraternity were invited to participate in similar programmes in order to familiarize them with the application of latest Information and Communications



Technology (ICT) tools viz. Federated search engines, Electronic Thesis and Dissertations (ETD) and anti-plagiarism software.

\* *Assistance in searching Databases*

The Internet Room in the library is under the immediate supervision of a library professional who is equipped with the skills to guide new users and assist them in searching databases and other e-resources. Further, in order to speed up searching by the user, all the links to access the e-resources and databases are also placed on the library website for the convenience of the users.

\* *INFLIBNET/Inter University Centres (IUC) facilities*

The library users are reaping the benefits through the facilities provided by INFLIBNET Centre, an Inter-University Centre established by UGC. At present, the facilities' includes the access to more than 8500 peer-reviewed e-journals and 10 e-databases pertaining to various disciplines that are being taught in Indian universities and Jgateplus a search engine for resource sharing and inter library loan. The latest facility provided by UGC through INFLIBNET Centre to NEHU Central Library is the sanctioning of a grant total amounting to Rs.14,06,400 to setup ETD lab and to digitized the theses and dissertations available in print and upload them to Shodhganga ETD – a reservoir for Indian Theses and Dissertations. Once completed, the entire theses and dissertations will be accessible without any restrictions for the benefit of the not only the researchers of NEHU but other universities also. The anti-plagiarism software provided by INFLIBNET had enabled the library to upload the soft-copy of the theses and dissertations for originality check. With the use of this software, the library had created an awareness especially amongst the researchers in the university on how to performed originality / quality check of their research papers so that they conform to the standards and requirements for publication.

4.2.8 *Provide details of the annual library budget and the amount spent for purchasing new books and journals*

For the period 2014 - 15:

- a. Total Plan allocation : ₹134 lacs
  - \* Spent for purchasing new books : ₹105 lacs for Central Library and ₹9.36 lacs for Tura Campus
- b. Total Non Plan allocation : ₹129.35 lacs
  - \* Spent for purchasing new books : ₹10 lacs
  - \* Spent on subscription of Scientific Journals : ₹90 lacs
  - \* Spent on subscription of Periodicals : ₹20 lacs



4.2.9 *What initiatives has the university taken to make the library a 'happening place' on campus?*

To attract users to the library, the library had introduced Internet access facility through Wi-fi in the Newspaper and Magazines section located in the ground floor of the library. With the introduction of this facility, there had been an increased in the number of students and research scholars that visit and used the library using their laptops and hand-held devices even during holidays. This is in addition to the Internet Room that Internet is available through desktop computers. From time to time, the library organized orientation and user awareness programmes to make the library users aware of the latest tools and methods for accessing information. The university have taken initiative and support to display the local indigenous artefacts of the state of Meghalaya on the ground floor of the library. Such displays not only attract users and other visitors to the library but have enlightened and educated them on the culture of the three indigenous tribes of Meghalaya viz. Khasis, Jaintias and Garos. This type of display will stimulate the minds of the visitors and library users to know more especially on the customs and culture of the entire North-East Region (NER).

4.2.10 *What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?*

The library primarily depends both upon the verbal and formal methods as channels to collect feedbacks from its' users. Feedbacks through formal methods are received through letters and emails. The feedbacks are analysed specifically with the concerned section with immediate action. Feedbacks are collectively deliberated in the department's meeting with immediate implementation to improve the particular service and entire library services as a whole.

4.2.11 *List the efforts made towards the infrastructural development of the library in the last four years.*

The efforts made by the library towards infrastructural development in the last four years are on the following:

- a. RFID Implementation
- b. Library Digitization
- c. Commissioning of a 125 kVA auto generator for electrical power backup
- d. Erection of "vinarack" - double-faced book racking system
- e. Commissioning of 2 Nos. elevators for the physically challenged

### 4.3 IT Infrastructure



4.3.1 Does the university have a comprehensive IT policy with regard to:

- IT Service Management*: No
- Information Security*: No, but Security is in place with the standard Firewall rules being implemented
- Network Security*: No, but Security is in place with the standard Firewall rules being implemented.
- Risk Management*: No
- Software Asset Management*: No
- Open Source Resources*: No
- Green Computing*: No

4.3.2 Give details of the University's computing facilities i.e., hardware and software:

- Number of systems with individual configuration*  
Number of systems with individual configurations will not be possible to provide of more than 2000 systems which includes servers, PCs, Laptops, Switch etc.
- Computer-student ratio*  
NDVN has provided 48 Port L2 Switch connectivity to most Computer Labs of each Department except new Departments in School of Technology. NDVN provides connectivity only, and respective departments provide computers to faculty members, to office staff and to the students in computer laboratories for academic purposes.
- Dedicated computing facilities*  
NDVN Facility where WEB, MAIL, Domain Name System (DNS), Proxy, Dynamic Host Configuration Protocol (DHCP), Enterprise Resource Planning (ERP), Exams-Results Servers, Library OPAC are hosted.
- LAN facility*  
Wired Connectivity to every room of all Departments with combination of Core, L3 and L2 Switch with Cat 5/6 and Optical Fibre cabling.
- Proprietary software*  
PG Results (Mark Sheet and Certificate Generation) , SBI e-Challan.
- Number of nodes/ computers with Internet facility*  
There are around 3200 Network Ports on the Network with Internet capability.
- Any other (please specify)

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Most Servers and Network Active components have reached end of support, The University plans to upgrade/replace the same when UPE 2 funds are available.





*The University has been shortlisted this year (2015) by Ministry of Human Resource Development (MHRD) to be a complete Wi-Fi enabled Campus.*

4.3.4 *Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.*

The NKN of 1 Gbps link with its applications and accessibility to the internet with fast download is available to all the teaching community.

4.3.5 *What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?*

None

4.3.6 *What are the IT facilities available to individual teachers for effective teaching and quality research?*

The NKN of 1 Gbps link commissioned on 19th May 2010 provides Internet access and other related applications (Internet, IP authenticated e-journals from UGC-Infonet E-journal consortium, mail and web etc.) to all Academic and Administrative departments.

4.3.7 *Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?*

All rooms are ICT enabled and each Department has computer Labs of at least 10 or more PCs with NKN connection. Students and Researchers are using these facilities according to their requirements.

4.3.8 *How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?*

The NKN of 1 Gbps link with its applications and accessibility to the internet with fast download is available to all the teaching community.

4.3.9 *How are the computers and their accessories maintained?*

Annual Maintenance Contract (AMC) with Suppliers after the warranty period.



4.3.10 *Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?*

The NKN of 1 Gbps link commissioned on 19th May 2010 provides Internet access and other related applications (Internet, IP authenticated e-journals from UGC-Infonet E-journal consortium, mail and web etc.) to all Academic and Administrative departments.

4.3.11 *Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?*

Yes; no specific policy or any restrictions whatsoever.

4.3.12 *Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.*

For the Network and Servers infrastructure an annual budget of ₹15 Lakhs is being provisioned. Client PCs are being separately maintained by the departments and Purchase and Store (P&S) Section.

4.3.13 *What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?*

Publications of the research articles of the faculty are available for open access on Institutional DSpace Repository (<http://dspace.nehu.ac.in/jspui/>) that has been created to collect, preserve and distribute the scholarly output of NEHU. Further, the University teachers has their individual/personal pages on different open access sites such as Academia.edu (<https://www.academia.edu>), Google Scholar (<https://scholar.google.co.in>), ResearchGate (<https://www.researchgate.net>) etc.

#### 4.4 Maintenance of Campus Facilities

4.4.1 *Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambiance.*

The University has an estate section under an officer at Assistant Registrar level. Few specific initiatives taken the section are : tree plantation, campus beatification and cleaning, trimming of trees and cutting over grown grasses time to time etc.



4.4.2 *How are the infrastructure facilities, services and equipments maintained? Give details.*

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include. No.*



## CRITERION V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

5.1.1 *Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?*

The Career & Counselling Cell (CCC) which was established on 01 April 2008 is functioning from the School of Technology. Since its inception, it is being administered by a faculty Coordinator and two office staff personnel.

The placement cell which is officially known as Career & Counselling Cell, endeavours to provide the very best opportunities to NEHU graduates in terms of counselling and guidance, campus placements, trainings, internship opportunities etc. The Cell regularly publicizes detailed notification on any matter related to counselling, training, and career/job opportunities for students. This cell takes care of all the opportunities / information forwarded to the Cell from any corner. The Cell also interacts with reputed industries, organizations, training centres and other entities for meeting the demands of the students. To facilitate the objectives, enrolment of representatives from all the departments of NEHU has been formulated of which the Committee consists of faculty and student representatives, who coordinate the different activities of the Cell. Job-oriented awareness related workshops are being organized by the Cell regularly for the students of NEHU and affiliated colleges. The Cell invites experts from corporate organization for interactive sessions, lectures on soft skills and giving away placement training to the students. It disseminates the job opportunities related information in the concerned (related) centres / departments / career related fairs, pool campuses for the job seekers in the university premises. Apart from hiring activities, the Cell organizes interactive sessions, special lectures and seminars so as to prepare the students for a smooth transition to their professional lives and face the challenges of the corporate world. With its interaction with company/industry on a regular basis, the students can avail the opportunity to undergo training during semester break in many companies/industries.

Moreover, a common placement brochure is updated and sent to various companies from time to time. It organizes seminars to provide a platform for the students to interact with professionals from various industries. It encourages visits to the industries for the University students.

5.1.2 *Apart from classroom interaction, what are the provisions available for academic mentoring?*

EDUSAT facility of the University is available in the School of Technology under the Coordinator-ship of Prof. P. V. Koparkar from 5<sup>th</sup> May 2010 till date.



5.1.3 Does the university have any personal enhancement and development schemes such as career counseling, soft skill development, career path-identification, and orientation to well-being for its students? Give details of such schemes.



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Focus on Training in Soft Skills for Students

The Career and Counseling Cell of NEHU in collaboration with the Institute of Technology & Management, Mumbai organised a two-day workshop on Value Proposition, Personality Development and Communication Skills from September 11-12, 2014.

Inaugurating the workshop at the Multi-Use Convention Centre, Prof. B. Myrboh, Pro-Vice-Chancellor and guest of honour on the occasion, said training in soft skills would help students in job interviews and other areas of their lives. In his address he also advised the students to concentrate on their studies, complete the semesters sincerely, get good grades as well as improve their soft skills by attending such kinds of workshops. He also lauded the School of Technology for organizing such kinds of workshops which would inculcate in the students the spirit of competition so that they can face



Prof. B. Myrboh lights the lamp at the inaugural function. (Publication Photo).

the future head on.

The resource person at the workshop and chief guest on the occasion, Dr. Sarita Iyer, Director at ITM Bangalore, gave an insight into the purpose of the workshop, which is for students to realize that they are the future game changers and that "we're here to help you discover options, choices and to make sense of your life. So, we are here to essentially shape your individuality. Today it's not just important to know

something, it's also important to deliver it correctly," she said.

In his vote of thanks address, Dr. Dinesh Bhatia, Coordinator of the Career and Counseling Cell, informed that the two-day workshop has a topic of immense importance to the budding young talent. "Without guidance, value, personality, communication skills and body language, it is quite difficult to achieve success in today's competitive world," he

said. Dr. Bhatia also informed that the main objective of the workshop is to empower, motivate and develop the human

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The next issue of NEHU News will come out in Dec. 2014. Materials & Articles have to be sent well in advance. Anything sent beyond Dec. 2014 first week cannot be included unless very important. e-mail: [nsd@nehu.ac.in](mailto:nsd@nehu.ac.in) & [gsd@nehu.ac.in](mailto:gsd@nehu.ac.in) and [nsd@nehu.ac.in](mailto:nsd@nehu.ac.in) preferred.

Figure 2.1: Workshop on Value Proposition, Personality Development and Communication Skills.

so as to prepare the students for a smooth transition to their professional lives and face the challenges of the corporate world. With its interaction with company/industry on a regular basis, the students can avail the opportunity to undergo training during semester break in many companies/industries.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

No. But financial assistance to poor and deserving students is provided by granting interest free loans to meet the educational needs of the students considered to be genuine by a special committee constituted for the purpose (Refer Online Prospectus, pp. 23).



5.1.5 Does the university publish its updated prospectus and handbook annually? If Yes, what are the main issues/ activities/ information included/ provided to students through these documents? Is there a provision for online access?

Yes. The university publishes its updated prospectus in the booklet form every year and is also available online. *The prospectus is available online on the university website: www.nehu.ac.in.* It provides overall information about the university as well as admission procedures and facilities of the university. Some important information of the prospectus is as under:

Academic calendar; Campuses; Schools, Departments and Centres; Research facilities; Admission to

1. *General courses like-*
  - (a) Master's programme
  - (b) M. Phil. Programme
  - (c) Ph. D. programme.
2. *Professional courses like-*
  - (a) Bachelor of Law [B. A. LL. B. (Honours)
  - (b) Bachelor of Technology (B. Tech.)
  - (c) Master of Business Administration (M. B. A.)
3. *Other courses like- Certificate/Diploma courses Other information:*
  - (a) Admission criteria for foreign nationals
  - (b) Revised Ordinance for CBCS on two years Master's Degree Courses
  - (c) Fees payable by students
  - (d) Fellowship/Scholarship/Student's Aid Fund
  - (e) Hostel accommodation
  - (f) Library
  - (g) Transport
  - (h) Study tours/Field visits/Travel concession
  - (i) National Service Scheme
  - (j) Sports facility
  - (k) University Health Centre
  - (l) Counselling and Placement Cell
  - (m) How to apply
  - (n) Admission form for General Courses
  - (o) Admission form for Professional Courses
  - (p) Important telephone numbers



5.1.6 Specify the type and number of university scholarships/ freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil./ Ph.D./ Diploma / others (please specify)

JRF are open to persons who are below the age of 30 years (relaxable by years for Schedule Caste (SC)/Schedule Tribe (ST) candidates) and have obtained a Master's degree of a recognised University securing a minimum of 55% marks and have qualified in the National Eligibility Test (NET). UGC may also award fellowships to research scholars who may not have cleared NET. A few NEHU Post-graduate Scholarships are available to meritorious students who have passed their Honours degree examinations securing a minimum of 55% marks and are pursuing their post-graduate studies at NEHU. The University at its discretion may also award a scholarship to a fresh candidate of the final year class taking into account his/her performance at the previous examination if he/she has obtained at least 55% marks (5% relaxation for SC/ST students). A student who is in full-time employment will not be eligible for these awards or scholarships.

Financial assistance to poor and deserving students is provided under Students' Aid Fund for payment of tuition fees, examination fees, purchase of text books, stationary expenses; to meet hostel charges, expenses on clothes and emergency medical expenses; or to grant interest free loans to deserving students and to meet any other needs of the students considered to be genuine by a special committee constituted for the purpose.

#### Financial aid and awards to students (2010-2011)

1. *Grant to Outstanding Students* : 31 postgraduate toppers from all departments including Tura Campus were awarded cash amount of ₹4,500/- per student.
2. *Fellowships to MPhil/PhD Students* : During 2010-11, 238 Research Scholars were selected for the award of the UGC Non- NET fellowship. Each PhD scholar was awarded ₹5,000/- per month while ₹3,000/- per month was awarded to MPhil scholars.

#### Financial aid to students (2012-2013)

1. *Scholarships/ Aid Fund*: During 2012-2013, 73 (Seventy-three) P.G. Students (including ST/SC) were awarded NEHU Post-graduate Merit Scholarships @ ₹3,000/- per student and 88 (Eighty-eight) students (including ST/SC) were selected for the Students Aid Fund @ ₹3,000/- per student for Post-graduate, and @ ₹4,000/- per student for under-graduate.
2. *Fellowships to the M.Phil. /Ph.D. Students*: During 2012-2013, 485 (Four hundred and eighty-five) eligible Research Scholars were selected/ provisionally selected for the award of the UGC Non-NET fellowship. Each Ph.D. scholar was awarded ₹8,000/- per month while ₹5,000/- per month was awarded to M.Phil. Scholars.





5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

Details on percentage of students receiving financial assistance is not available. However the types of Fellowship given to various categories of NEHU students are given as tabular form below.

Name of the Scheme and Funding Agency	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
<b>University Grant Commission</b>					
Indira Gandhi for PG Scholarship	Y	-	Y	Y	-
Individual fellowship for JRF/SRF	Y	-	Y	Y	Y
PG Merit Scholarship	Y	Y	Y	Y	-
PG Scholarship for professional Sc/ST candidates	Y	Y	-	-	-
Rajiv Gandhi fellowship for SC	Y	Y	Y	Y	Y
Rajiv Gandhi fellowship for ST	Y	Y	Y	Y	Y
Meritorious Fellowship Botany	Y	Y	Y	Y	Y
Meritorious Fellowship Chemistry	Y	Y	Y	Y	Y
Meritorious Fellowship Physics	Y	Y	Y	Y	Y
Meritorious Fellowship Zoology	Y	Y	Y	Y	Y
Meritorious Fellowship History	-	-	Y	Y	Y
Meritorious Fellowship Geography	-	-	-	-	Y
Maulana Azad National Fellowship for Minority students	Y	Y	Y	Y	Y
<b>DAE</b>					
NBHM Phd Scholarship	Y	Y	-	-	-
NBHM Research Award	Y	Y	Y	-	-
<b>DBT</b>					
DBT grant to JRF fellowship	Y	Y	Y	Y	Y
<b>DST</b>					
Jagdish Bose National Talent Search JBNS Prof N K Chrungoo	Y	Y	Y	-	-
INSPIRE Fellowship	-	Y	Y	Y	Y
J C Bose fellowship Prof P N Pandita	-	Y	Y	Y	Y
<b>North Eastern Council NEC</b>					
NEC sheme Scholarship	Y	Y	Y	Y	-
NEC sheme Scholarship Government of assam	Y	-	-	-	-
<b>ICHR</b>					
ICHR Fellowship	Y	Y	Y	-	-
<b>ICPR</b>					
ICPR Fellowship	Y	Y	-	Y	Y
<b>ICSSR</b>					
ICSSR Fellowship	Y	Y	Y	Y	Y
Award of centrally administered doctoral fellowship district of Assam	-	Y	Y	-	-
<b>Government of Meghalaya</b>					



Name of the Scheme and Funding Agency	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Meghalaya research scholarship and book grant	Y	Y	Y	-	-
<b>Government of Nagaland</b>					
Nagaland Scholarship to Reserch Scholar	Y	-	-	-	-
<b>Government of Assam</b>					
Reserch Scholarship	Y	-	-	-	-
<b>NCERT</b>					
Rashtriya pratibha khoj yojna individual fellowship	-	Y	Y	Y	-
<b>CSIR</b>					
Individual fellowship	Y	Y	Y	Y	Y
<b>ICMR</b>					
ICMR Fellowship	-	-	Y	Y	Y
<b>ONGC</b>					
ONGC scholarship	-	-	-	Y	-

Table 2.35: Types of various fellowships received by students of NEHU

#### 5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

DSW takes care about foreign student's affair.

Limited number of seats is offered each year to foreign students in different programmes of study. Offer of admission is the discretion of the concerned department/centre, although it is vetted by the Overseas Students' Admission Committee. Supernumerary seat(s) is reserved for foreign students seeking admission to Ph.D. and other PG Programmes.

Admission of foreign students is done by a Central Admission Committee through the Dean, Student's Welfare. Once admitted to a study program, all foreign students are bound by the ordinances/regulations and rules of the university applicable to all students of the university. These are also available on the web site of the university [www.nehu.ac.in](http://www.nehu.ac.in). They are under general administrative control of the Head of the concerned department and research supervisor.

The university offers high-quality single room furnished apartments with an attached bathroom and kitchenette to foreign students on the campus. Internet access is provided in each room. The accommodation is limited and is offered on first-come-first-served basis. No married student's accommodation is offered by NEHU.

Each Department/ Centre has highly qualified faculty with motivation for internationally competitive high quality research. Several faculty members have foreign collaboration in research.



5.1.9 *Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?*

No. But financial assistance to poor and deserving students is provided by granting interest free loans to meet the educational needs of the students considered to be genuine by a special committee constituted for the purpose (Please refer to Online Prospectus, pp. 23)

5.1.10 *What types of support services are available for:*

- \* *Overseas Students:* The University offers high-quality single room furnished apartments with an attached bathroom and kitchenette to foreign students on the campus. Internet access (Wi-Fi) is provided in each room. The accommodation is limited and is offered on first-come-first-served basis. No married student's accommodation is offered by NEHU.
- \* *Physically Challenged / Differently-abled Students:* NEHU/VC quota (%) is specified for admission to different courses of NEHU.
- \* *SC/ST, Other Backward Class (OBC) and economically weaker sections:* NEHU scholarship is available for the scheduled tribe students.
- \* *Health Centre, Health Insurance etc.:* Students have access to NEHU health centre for treatment. No health insurance policy exists for the students or even the employees of the University.
- \* *Students participating in various competitions/conferences in India and abroad:* The University bears a percentage of expenditure along with other sponsoring agencies (like UGC, DST etc.) for attending competitions/conferences by the students in India and abroad.
- \* *Skill Development (spoken English, computer literacy, etc.):* No.
- \* *Performance Enhancement for Slow Learners:* No.
- \* *Exposure of Students to other institutions of higher learning/ corporates/business houses, etc. :* No such direct mechanism is present. However, students on their individual capacities along with teacher's help do avail these types of opportunities.
- \* *Publication of Student Magazines :* Students of different departments take out their own annual magazines. However, no NEHU Students Magazine is published annually.

5.1.11 *Does the university provide guidance and/ or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/SET and any other competitive examinations? If Yes, what is the outcome?*

Yes. NET coaching classes for SC/ST students.

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**UGC NET EXAM RESULT** *Result of the UGC National Eligibility Test for JRF and Eligibility for Lectureship year wise.*



Sl. No.	Year wise & Date	JRF	Lectureship	Total
1	28-06-2009	7	56	63
2	27-12-2009	13	3	16
3	27-06-2010	12	19	31
4	26-12-2010	11	32	43
5	26-06-2011	14	25	39
6	24-12-2011	16	43	59
7	24-06-2012	4	154	158
8	30-12-2012	18	142	160
9	30-06-2013	15	93	108
10	29-12-2013	11	91	102
11	29-06-2014	11	76	87
<b>TOTAL</b>			<b>734</b>	<b>866</b>

Table 2.36: JRF and Lectureship Year Wise examination result

5.1.12 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies / schemes such as:

- \* additional academic support and academic flexibility in examinations
- \* special dietary requirements, sports uniform and materials
- \* any other (please specify)

*Free Education for Sports Medal Winners*- UGC with the concurrence of Government of India has launched “Free Education for SPORTS Medal Winners/Participants of National/International Events”. The same is being implemented so that the eligible university students involved in sports activities may be benefited under the said scheme.



Figure 2.2: Free Education Notification for Sports Medal Winners.

University quota is available to give sports person as mentioned below:  
 Outstanding Sports women/men – get weightage during admission to the University for the level of sport viz. Representing the country at international level (10 pt.),



Representing the state at national level (5pt.) and Inter-university at national level (3pt.)

5.1.13 *Does the university have a student grievance redressal cell? Give details of the nature of the grievances reported. How were they redressed?*

Yes. The university has Career and Counselling Cell.

Activities of the Guidance and Counselling Cell: 2009-2010

*Highlights of the activities carried out by the CPC during the year:*

1. AT &T, a multinational telecom company, organized a counselling session for all the students of NEHU on 3rd June 2009 where twenty five students participated.
2. An interactive career counselling session was conducted by IIM, Kolkata at NEHU campus on 5th October 2009 on Doctoral Fellowship Programme of IIM. Forty three students from different streams attended the session.
3. A two-day “Job Fest” was conducted by Wipro BPO on 18th – 19th November 2009 for all the students in NEHU campus. The initiative taken by this firm is to provide enhanced employment opportunity. Thirty seven students attended the job fest out of which seven were offered initial appointment letters. The selected ones will have to go for an eighteen-week training programme.
4. Indian Air Force organized a “Fast Track Recruitment Drive” on the NEHU campus on 13th March 2010 for engineering graduate (B. Tech. students of DIT & DECE). Fifteen students, who fulfilled the eligibility criteria, participated in the selection process (written test + interview) out of which eleven were selected for further, stage II, examination to be held at IAF Headquarters.

Placement service provided to students: 2009-2010

1. *Department of Commerce* :Though there is no formal placement programme conducted by the Department, the teachers on a continuous basis provide counselling to the students so as to enable them compete in the job market. Past statistics suggest that, on average, within a period of 18 months, the graduating students are able to get suitable placement.
2. *Department of Library and Information Science* : Alma Mary Rynksai, Rokester Kharbihkhiew, Angie C. Marbaniang as Assistant Librarians, State Central Library, Shillong; Bariline Laitman as Reference Librarian (2009), State Central Library, Shillong; Balaker Nongbri as Librarian, Laitumkhrah Presbyterian Higher Secondary School, Shillong; Cliff Dkhar as Senior Library Assistant, RGIIM; Hanya Shylla as Deputy Librarian, Kiang Nongbah College, Jowai; Mangkhollen Singson as Assistant Professor, Pondicherry University, Pondicherry; Larisa Snabi as Senior Library Assistant, Central Agriculture University, Barapani, Meghalaya; Badarishisha Rynthiang as Assistant Librarian, Martin Luther Christian University, Shillong; Mr. F. R. Sumer as Deputy Librarian, NEHU Central Library, Shillong; and Lawaka Kynjing as Assistant Librarian, Gauhati High Court, Shillong Branch.



3. *Department of Management* :The Department has a fully networked industry institute interface cell looking after the winter training and final placements of the students. The conscious efforts put in by the cell resulted in some of the biggest corporate recruiters like Price Waterhouse Coopers, WIPRO, ITC, HDFC, AMUL, RGVN, PRADAN, ICICI, etc., showing interest in our Institution and students.
4. *Department of Adult & Continuing Education* :The students are placed in NGOs, Schools, Hospitals (as Counselors), UNDP and other organizations.
5. *Centre for Distance Education* :The students who had done General and Certificate Courses in Floriculture are engaged in horticulture nursery and flower business of their own and also employed in industries. The students with B.Ed.-SEDE / FC-SEDE qualification have been recognized as a Government of India registered professional and giving their valuable services for the empowerment of Disabled.
6. *Department of Geography* :The students of the Department in this year joined various teaching and administrative positions available within the region.
7. *Department of Rural Development and Agricultural Production* :The Council for Advancement of People's Action and Rural Technology (CAPART), New Delhi, through its Guwahati Regional Centre has been regularly recruiting the students of the Department for jobs of Young Professionals since the first batch. On average, four students are recruited by the organization every year. In the academic session 2009-10, 5 out of 11 students were recruited by CAPART. Apart from this, some of the students of this batch were absorbed by different non-governmental organizations (NGOs), rural development societies, schools and colleges.
8. *Department of English (Tura)* : Students are appointed as (i) Lecturers in Ampati College, Ampati, Garobadha College, Garobadha, Selsela College, Selsela; (ii) Teachers in Higher Secondary School at Bajengdoba, Garobadha, High School at Tura, Bajengdoba, Garobadha, ME School at Tura, Private School at Tura; (iii) News Paper reporter in Tura, (iv) office assistant in Govt. Medical Dep., Sarba Siksha Abhijan; and (v) as field worker and coordinator in NGOs.
9. *Department of Khasi* : One in St.Edmund's College, Shillong, one in Khasi Department, NEHU, Shillong, one in St.Mary's College, Shillong, one Synod Higher Secondary School, Shillong and one in the State Government.
10. *Department of Linguistics* : T. Tamsunungsang (2001 Batch) was recently appointed as Asst. Professor at TEFLU, Shillong Campus.
11. *Department of Biochemistry* :1. Dr. Y. Choudhary, Asstt. Prof., Assam University, Silchar. 2. Mr. D. Bareh, STA, SAIF, NEHU. 3. Mr. S. Chettri, P.O., Meghalaya Rural Bank, Jowai. 4. Mr. D. Marbaniang, SBI, Shillong. 5. Mr. E. Passah, Ranger, Forest Dep., Meghalaya.
12. *Department of Biotechnology & Bioinformatics* : Mr. V. V. Borah and D. Susangi joined Aurorobe, Ghaziabad. Ms. A. Das joined Reliance Life Science, Mumbai and M. H. Pyngrope joined Bharat Petroleum, Guwahati.
13. *Department of Botany*: Mr. Panna Das joined the Department of Botany, Tripura



University, Tripura as Assistant Professor. Mr. Ratul Baishya joined the Department of Botany, Delhi University, Delhi as Assistant Professor. Dr. Jenpuru Kamei joined Dadai Christian College, Manipur as a Lecturer. Dr Nicolee Lyngdoh joined College of Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh as an Assistant Professor. Dr Sudipta Shekhar Das Bhowmik joined IIT, Guwahati as a Research Associate. Dr Shiny Ch. Sangma, joined Bose Institute, Kolkata as a Post Doctorate Fellow. Dr Anusuya Rout joined National Plant Genome Research Centre, New Delhi as a Research Associate.

14. *Department of Zoology* : (i) Dr. K. Biswas as an Assistant Professor in Academic Staff College, N.E.H.U., Shillong, (ii) Mr. J. L. Khongsngi as a Senior Technical Assistant in the Department of Zoology, N.E.H.U., Shillong, (iii) Mr. D. A. Rabha as a Lecturer in Zoology, St. Edmund's College, Shillong, (iv) Ms. K. Mihsel as a lecturer in Zoology, St. Anthony's College, Shillong, (v) Dr. A. J. Iangrai as a lecturer in Zoology, Synod College, Shillong.
15. *Department of Chemistry* : Dr. Archana Mizar, joined a Post Doctoral Fellowship in the University of Lisbon, Portugal. Dr. Snigdha Chanda joined Donbosco College, Tura, Meghalaya as Lecturer in Chemistry. Dr. Juthika Das joined S.B.M.J. College, Bangalore as Lecturer in Chemistry. Dr. Siamkhanthang Neihial joined as Post-Doctoral Fellow (Research Associate) at Jawaharlal Centre for Advanced Scientific Research, Bangalore. Dr. R.M. Manih joined UCC, Barapani as Lecturer in Chemistry. Dr. Pushpak Mizar qualified for the IAS 2009 Batch, West Bengal Cadre. Many M.Sc. students passing out from this Department have joined this Department and other Institutes as Research Scholars.
16. *Department of Mathematics* : 5 students got teaching jobs in different colleges in Shillong.
17. *Department of Cultural & Creative Studies* :
  - (a) *Folkloristic*: One student placed in A.I.R., Shillong, two as Research Assistants in Don Bosco Centre for Indigenous Culture, Shillong.
  - (b) *Painting* : One in Animation in Mumbai, one self-employed in Art Studio, one as teacher in K.V. NEHU.
  - (c) *Music*: Six students are teaching in the Department of Music, Martin Luther Christian University, Shillong, one is teaching in Higher Secondary, two students are teaching (part-time) in the Department of Music, St. Anthony's College, Shillong, one is working in A.I.R., Shillong and another in Sur Bathiang Studio, Shillong.
18. *Department of Electronics & Communication Engineering* : Mr. Johnson Taye was selected in Tata Tele services Ltd. in the campus interview/placement held on 19th March 2010. While Mr. Abhijit Bora, Mr. Banajit Boro, Mr. Basab Das, Mr. Santosh Kumar, Mr. Sarfraz Hussain, and Ms. Surabhi Prasad got through the Fast Track Screening Test of Indian Air Force for SBB Examination.
19. *Department of Information Technology* : Several organizations/companies like





Indian Airforce, Tata Telecom Services Limited (TTSL), Bahniman group of companies visited the School of Technology campus for recruitment and already several students have got selected and many students are in the various stages of selection process.

#### 2010-2011 Guidance and Counselling Activities

##### Activities of the Guidance and Counselling Cell:

*Brief Statement of Activities of Counselling & Placement Cell:-* The Cell carried out the following activities during the year under report:

1. Campus Placement Camp was conducted by Reliance Industries Ltd for the students of Economics, Commerce, Statistics, Mathematics, Physics and Chemistry on 1st and 4th June 2010 in Science Lecture Hall, NEHU, Shillong. A total of 32 students took the written test out of which 20 students were shortlisted for the interview.
2. Bohniman System Ltd., a company based in Guwahati, conducted a campus interview for the students of School of Technology, NEHU, Shillong on 24th July 2010. A total of 47 students appeared for the interview.
3. A seminar for all the students of NEHU was organized by Association International des Etudiants en Sciences Economiques et Commerciales (AIESEC) on 12th November, 2010 in the School of Technology, NEHU, Shillong. The AIESEC is a youth run independent education foundation that has its associations with various organizations in a number of countries. A total of 23 students attended the seminar.
4. Accenture, Guwahati held a pool campus for the students of School of Technology in Guwahati on 19th and 20th of December 2010. A total of 66 students appeared out of which 6 students were selected as Asstt. Software Engineers.
5. Zaloni, an IT firm from Guwahati, conducted a campus interview for the final year students of School of Technology on 20th and 21st of April 2011 in NEHU campus. A total of 75 students appeared for the interview out of which 2 students got selected for the training.
6. Aspiring Minds, a vendor company that conducts the selection tests for HCL, Erickson and other companies, conducted Aspiring Minds Computer Adaptive Test (AMCAT) for the students of School of Technology on the 2nd of March, 2011 charging a nominal fee of Rs 400/- per student.
7. A three-day workshop on “Development of Industry Oriented Skills” was organized on 11, 12 and 14th of April 2011. During this workshop eminent speakers from NetTech, Infosys, ISI Kolkata enriched our students with knowledge about industry oriented skills.

#### 2011-2012 Guidance and Counselling Activities

Activities of the Guidance and Counselling Cell: Various employers such as Indian Air Force and a number of private companies were approached for placement of students. *Placement service provided to students:* The Cell carried out the following



activities during the year under report:

1. Organized a workshop on “Development of Industrial Oriented Skills” in the School of Technology, NEHU, Shillong from 11th to 14th April, 2011.
2. Tech Mahindra conducted a campus interview for the 8th Semester students of ECE & IT on 27th June, 2011 in the School of Technology NEHU, Shillong.
3. Skill enhancement lectures on “Perfect Graphs and one of Its Real Life Application Abstract” were delivered by Prof. Rajpat Kumar Pal, Dean, School of Technology, Assam University, Silchar on 10th October, 2011 in the School of Technology, where students of the School participated.
4. A Two Day Hands-On Workshop on Enhancement of life Skills for students of M.A. Education, M.Ed & Research Scholars was held on October 18-19, 2011 in the Community Hall. A total of 134 students participated in the workshop.
5. Recruitment drive by the Indian Army for 3rd Year Students of IT & ECE students was held on the 10<sup>th</sup> December, 2011 in the School of Technology.
6. Fujitsu Selection conducted a one-day recruitment drive on 24th Feb, 2012 for the students who passed out and final year students of School of Technology where a total number of 73 students appeared for the drive.
7. Infosys Bangalore conducted a recruitment drive for the 4th Semester students of Education, English & Linguistics Departments on 4th April, 2012 in Education Department, NEHU, Shillong.

#### 2012-2013 Guidance and Counselling Activities

Activities of the Guidance and Counselling Cell: Inviting various potential employers for recruitment of students through campus selections.

*Placement service provided to students by Counselling & Placement Cell:* The Cell carried out the following activities during the year (2012-2013) under report. The Placement Cell, Tura, had conducted four Campus Interviews during the year under report. IDBI Bank Limited, Professional Assistance for Development Action (PRADAN), New Delhi, Bajaj Allianz Insurance Company Pvt. Ltd. and Prefetti Company, conducted the Campus interviews. 12 students were offered placement by the above companies. The Cell also organized training for SAP01-pre-specified e-module for the 3rd Semester MBA students.

#### Activities carried out by the Career and Counselling Cell

*from 1st April 2014 - 31st March 2015 are highlighted as follows:*

1. Infosys Pvt. Ltd, Bangalore conducted a pool campus interview in Assam Engineering College, Guwahati, Assam on 12<sup>th</sup> & 13<sup>th</sup> June, 2014 where 30 of our eligible students attended out of which 02 of students got selected.
2. IBM Collabora, Bangalore conducted a campus drive to the students of School of Technology, NEHU, Shillong on 23rd & 24th June, 2014 where 15 students got selected by the company.



3. M/s Telperformance, Gurgaon, Manesar conducted campus drive at SOT, NEHU, Shillong on 25th & 26th June, 2014 wherein 20 students got placed.
4. ICICI Bank conducted a pool campus drive for the students of NEHU & affiliated colleges on 14th & 15th July, 2014. Few students got selected during drive.
5. Institute of Technology & Management (ITM), Mumbai funded and organized a two seminar on “Workshop on Value Proposition: Personality Development & Communication Skills” at NEHU, Shillong on 11th -12th September, 2014. More than 200 students of NEHU participated in this workshop.
6. Students attended a two day pool campus drive conducted by Tech Mahindra in Tezpur University, Tezpur Assam on 24 September, 2014 where 30 of our eligible students attended. 02 students got selected in the drive.
7. Around 30 students of the School of Technology, NEHU, Shillong were eligible to participate a pool campus conducted by IBM, Bangalore at Assam Engineering College on 21st & 22nd October, 2014 where 05 students got selected.
8. Motivation cum pre selection interviews conducted by the Indian Army, Shillong for the students of School of Technology on 3rd November, 2014 at Multi Conventional Hall, NEHU, Shillong. 147 students attended the seminar.
9. A seminar on “Student Development Program” was conducted by IBS (School of Indian Business) Guwahati & Hyderabad on 7th November, 2014 at Multi Conventional Hall, NEHU, Shillong where a total of 140 students attended the seminar.
10. Talwandi Sabo Power Plant Ltd, Punjab conducted a recruitment drive on 17th November, 2014 for the BSc students of NEHU and its affiliated colleges where few students got selected.
11. Indian Army, Shillong conducted a campus drive on 29th November, 2014 for the pre final year B.Tech students of NEHU. 09 students got shortlisted.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

The students from both Information Technology (IT) and Electronics & Communication Engineering (ECE) Departments, NEHU, Shillong who got placement through individual efforts in 2010 are as follows:

Sl. No.	Name	Company/ Organization	Location	Designation
1	Amita Gupta	Trump Trainers	Bengaluru	HR (Technical)
2	Anal Jyoti Das	Reliance Communications	Guwahati	Trainee Engineer
3	Anamika Das	TotalinX India	Kolkata	Techno Sales Consultant
4	Arup Sarmah	IIT Guwahati	Guwahati	Project Engineer



Sl. No.	Name	Company/ Organization	Location	Designation
5	Banshanborlang Chyne	Tata Teleservices Ltd.	Shillong	BSS Engineer
6	Binud Bora	iAchieve-Group.com	Nagaon	Business Partner
7	Kangkong Sarma	Aircel	Shillong	Trainee Engineer
8	Menola Hajong	Hewlett-Packard	Kolkata	Associate
9	Nandita Mahanta	Ramy Infotech Ltd.	Noida	Sales Executive
10	Paras Pokhrel	Central University of Jharkhand	Ranchi	Trainee Engineer
11	Rohan Kumar Das	IIT Guwahati	Guwahati	Project Engineer
12	Samsud Zoha	Continental Device India Ltd.	New Delhi	Testing Engineer
13	Sarfraz Hussain	NERIST	Agartala	Guest Lecturer
14	Surabhi Prasad	Tata Teleservices Ltd.	Shillong	Switch Engineer
15	Surashri Das	Dibrugarh Polytechnic	Dibrugarh	Lecturer
16	Tanmay Kumar Thapa Sarkar	HCL Technologies Ltd.	Noida	Software Engineer
17	Abhishekh Kumar Thakur	Maventic	Bengaluru	Software Developer
18	Andolina Dutta	IGATE-Patni Global Solutions	Bengaluru	Software Engineer
19	Angshuman Sarkar	Huawei	Bengaluru	Information Developer
20	Angshuman Sarma	Bohnan Systems (P) Ltd.	Guwahati	Software Engineer
21	Bornali Hazarika	Zaloni	Guwahati	Software Engineer
22	Dristi Mahanta	Teleperformance	Gurgaon	Quality Analyst
23	Gunashindhu Saikia	Span Infotech	Bengaluru	Trainee Software Engineer
24	Johnson Sangma	Ericsson	Shillong	O and M Engineer
25	Kuldeep Baishya	Wit Innovation	Bengaluru	Software Engineer
26	Nirooj Fidin	Areca Services	Ranchi	Associate
27	Soubam Vandana Devi	Wipro	Kolkata	Technical Analyst
28	Sushnata Biswas	INNEFU	New Delhi	Software Engineer
29	Tina Moni Narah	Areca Services	Guwahati	Associate

Table 2.37: Student Placement Information of ECE and IT in 2010.

The students from both IT and ECE Departments, NEHU, Shillong who got placement through individual efforts in 2011 are as follows.

1. Accenture
  - (a) Anurag Agarwal - ECE
  - (b) Ipshita Khaund - IT



- (c) Hrishikesh Bora - IT
- (d) Chaitanya Jha - ECE
- (e) Sonam Kumari - ECE
- (f) Sowmitra Vikram - ECE
- 2. ZALONI
  - (a) Ankur Jyoti Kalita - ECE
  - (b) John Borgoyari - ECE
- 3. Helix Solutions
  - (a) Hiren Borgohain - IT
  - (b) Gitanjal Bhattacharya - IT
  - (c) Aditya Bora - IT
  - (d) Biky Borgohain - IT
- 4. C-DAC
  - (a) Manash Pratim Sharma - IT
- 5. National Physics Lab, Pune
  - (a) Amarnath Sahani – ECE

Sl. No.	Date of Interview	Name of the Company	Name of Students who get selected	Department/ Branch	University/College		
1	13.06.2014	Infosys Pvt. Ltd, Bangalore	Biswajit Kalita.	ECE	School of Technology, NEHU, Shillong		
			Adruta Chirantani Guru	ECE			
2	23.06.2014	IBM Collabora, Bangalore	Archana Tiwari	ECE	School of Technology, NEHU, Shillong		
			Lucky Sonowal	ECE			
			Anamika Salkia	ECE			
			Riddhi Kumari	CSE	Assam Don Bosco, Guwahati		
			Devika Paul	IT	School of Technology, NEHU		
			Abhishek Malakar	ECE			
			<b>Waiting List</b>				
			Ponalin D Sagma	MBA	School of Technology, NEHU, Shillong		
			Veronica Kurbah	M.Com.			
			Sneha Barman	IT			
			Gautam Sarma	IT			
			Imayanmosha Wahlang	IT			
			Mustafiz Ur Rahman H	ECE			
			Sasanka Narah	IT			
			Mazidul Islam	IT			
Rajiv Biswas	ECE						
<b>These are a few more that are borderline cases and can be evaluated after some more training.</b>							
Nabarun Saikia	IT	School of Technology, NEHU, Shillong					
Rojlina Yasmin Siddiki	IT						



Sl. No.	Date of Interview	Name of the Company	Name of Students who get selected	Department/Branch	University/College
			Bidisha Sonowal	IT	NEHU (Tura) NEHU, Shillong School of Technology, NEHU, Shillong
			Narji Saikia	IT	
			Rupam Barman	ECE	
			Anirban Deb	M.Com.	
			Dipankar Borah	MBA	
			Sambha Phawa	M.Com.	
			Himasmita Das	IT	
3	24. 9. 14	Teleperformance, Manesar, Gurgaon, Haryana	Mohd Abdul Khader SK	ECE	School of Technology, NEHU, Shillong
			Rojlina Yasmin Siddiki	IT	
			Mustafiz Rahman Hazarika	ECE	
			Bidisha Sonowal	IT	
			Ruhana Ahmed	ECE	
			Nabarun Saikia	IT	
			Bidyut Karmakar	IT	
			Raj Kamal Nayak	ECE	
			Partha Kinkor Goswami	IT	
			Sailen Kalita	IT	
			Gautam Sarma	IT	
			Rupam Barman	ECE	
			Mazidul Islam	IT	
			Phungkha Narzary	IT	
			Gwmsart Basumatary	ECE	
			Avishek Kumar	IT	
			Sasanka Narah	IT	
			Sneha Barman	IT	
			Amit Kumar	ECE	
			Puspanjali Basumatari	ECE	
Kolin Chanda	IT				
Ponjit Borgohain	IT				
Sheba Diamond Thabah	ECE				
4	24.09.2014	Tech Mahindra	Tridip Sarma	ECE	School of Technology, NEHU
			Nimish Agarwal	ECE	
5	21.10.14	IBM, Bangalore	Anisha Chakravorty	IT	School of Technology, NEHU, Shillong
			Dolly Basumatary	IT	
			Bishruta Phukan	ECE	
			Ajay Roy	ECE	
			Toshlima Ashraf	ECE	
6	29.11.2014	Indian Army, Shillong	Siddhartha	IT	School of Technology, NEHU, Shillong
			Dibyoti Pathak	IT	
			RasidulAlam	IT	
			Mahamudul Hassan	IT	



Sl. No.	Date of Interview	Name of the Company	Name of Students who get selected	Department/Branch	University/College
			RakeshHazarika	IT	
			Sangam Prasad	ECE	
			Santosh Kalita	ECE	
			Palash Jyoti Borah	ECE	
			Raushan Kumar	ECE	

Table 2.38: Student Placement Information during 2014-15

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

No registered Alumni Association. However, a new alumni association has been constituted named as North-Eastern Hill University Alumni Association (NEHUAA) and its website is at <http://alumni.nehu.ac.in>. Activities :

- (i) Promoting and fostering networks and meets of the alumni of the university.
- (ii) Instituting various scholarships/awards/prizes for furthering and motivating productive and meaningful research.
- (iii) Designing and conducting programmes for the upliftment of society at large through the community involvement of the association.
- (iv) Generating funds for various activities of the Association.

The following members were declared elected for various posts in the First General Body (GB) meeting of NEHU Alumni Association held on 19<sup>th</sup> September, 2014.

- (i) President : Prof. Don Syiem, Dept. of Biochemistry, NEHU.
- (ii) Vice-Presidents : Prof. S.S. Sungoh, Dept. of Education, NEHU.
- (iii) Vice-Presidents : Prof. V.R. Ruata, Dept. of History, NEHU.
- (iv) General Secretary : Dr. S.R. Joshi, Dept. of Biotechnology & Bioinformatics, NEHU.
- (v) Joint Secretary : Dr. A. Sinha, Dept. of Basic Sciences & Social Sciences, NEHU.
- (vi) Finance Secretary : Dr. Begonia Dkhar, Sophisticated Analytical Instrumentation Facility, NEHU.

*Executive Committee members:*

- (vii) Prof. Amena Passah, Dept. of Histroy, NEHU.
- (viii) Mr. Ian Khongmen, Tourism Dept., Govt. of Meghalaya, Shillong.
- (ix) Prof. Uma Shankar, Dept. of Botany, NEHU.
- (x) Prof. D. Paul, Dept. of Environmental Studies, NEHU.
- (xi) Dr. Krishna Chauhan, BBS College, Garikhana, Shillong.
- (xii) Dr. S. S. Khatri, Dept. of Physics, NEHU.
- (xiii) Mr. Vishu Singhania, Police Bazar, Shillong .





5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

No. However, DSW takes care of students grievances.

5.1.17 Does the university promote a gender-sensitive environment by:

1. Conducting gender related programmes
2. Establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

**CAMPUS NEWS**

**NEHU has Zero Intolerance Towards Sexual Harassment:**



**T**he Vice-Chancellor, Prof. P. Shukla has informed that NEHU has zero intolerance towards sexual harassment. Inaugurating an awareness programme on sexual harassment organized by the Women Cell, NEHU, on November 17 at the Multi-use Convention Hall, Prof. Shukla said complaints of such nature will be investigated to its logical conclusion. He appealed to the young women and girls present to report any cases of sexual harassment and to be patient as such investigations take time. In her welcome speech, Chairperson of the programme, Prof. S.M. Sungoh gave a brief description of the Women Cell, its powers and functions as well as its objectives, which are gender sensitization, creating awareness of rights of women, prevention of sex discrimination in jobs and others, prevention of sexual harassment in university campuses, mediation and redressal. She also informed that in the Ordinance, sexual harassment has been defined as such unwanted sexual behaviour like physical contact, demands for sexual favours, sexually coloured remarks, showing pornography and any kind of physical, verbal or non-verbal conduct of sexual nature, which directly or indirectly intimidates women or creates psychological harassment. To further explain the different aspects and effects of sexual harassment, three resource persons were on hand to give information. Ms. Hasina Kharbhii from Impulse NGO and member of the Women Cell, NEHU, explained the meaning of sexual harassment and its many issues. She stated that sexual harassment is not a women's issue but rather it's a human rights issue. In her presentation, Ms. Kharbhii debunked many of the myths of sexual harassment such as the myth that women like to be teased or the myth that women who dress provocatively are asking to be harassed. She also informed of the Vishaka Guidelines (a set of procedural guidelines for use in India in cases of sexual harassment) promulgated by the Indian Supreme Court in 1997 and which were superseded in 2013 by the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act. She said copies of the guidelines should be made available at the workplace. Her advice to girls and women who are victims of sexual harassment is to fight back by reporting such cases and to not be ashamed. "Be assertive,

*contd... page 10*

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**Figure 2.3: Zero intolerance towards sexual harassment.**

Worker, Impulse NGO Network and Dr. J. J. Mozika, Department of Law, NEHU. Gender-sensitization programmes are conducted in the form of workshop and seminars in the university.

Yes. The University has a women's cell. The Vice-Chancellor, in accordance with the provisions contained under Ordinance OD-9 on Women's Cell, has *reconstituted the Women's Cell of the University* for a period of three years with immediate effect. This was informed by the Assistant Registrar (Conference) in a notification dated April 30, 2012. The Women's Cell comprises of Prof. S.M. Sungoh, Department of Education, NEHU as Chairperson, Dean, Student Welfare, NEHU as Ex-officio Member and 10 members namely Ms. Dina Barman, Department of Economics, NEHU, Ms. Bidisha Mahanta, Department of Economics, NEHU, Prof. Rupa Borgohain, Department of Political Science, NEHU, Mr. N. K. Sinha, Department of Geography, NEHU, Mrs. Agnes Shangpliang, Academic Section, NEHU, Mrs. Betrose Wahlang, Establishment I (Personal), NEHU, Dr. Fenela Nonglait, Legal Expert, Meghalaya Law Commission Office, Farida Warjri, Social



5.1.18 *Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?*

Yes. DSW takes care of it. All students admitted to NEHU need to submit the affidavit on line as per National Ragging Prevention Programme and the signed copy of the same is submitted by the students and the parents to the HOD of respective department. All HOD keep liaison with DSW in this regard. Please refer to the attachment Figure 2.4.

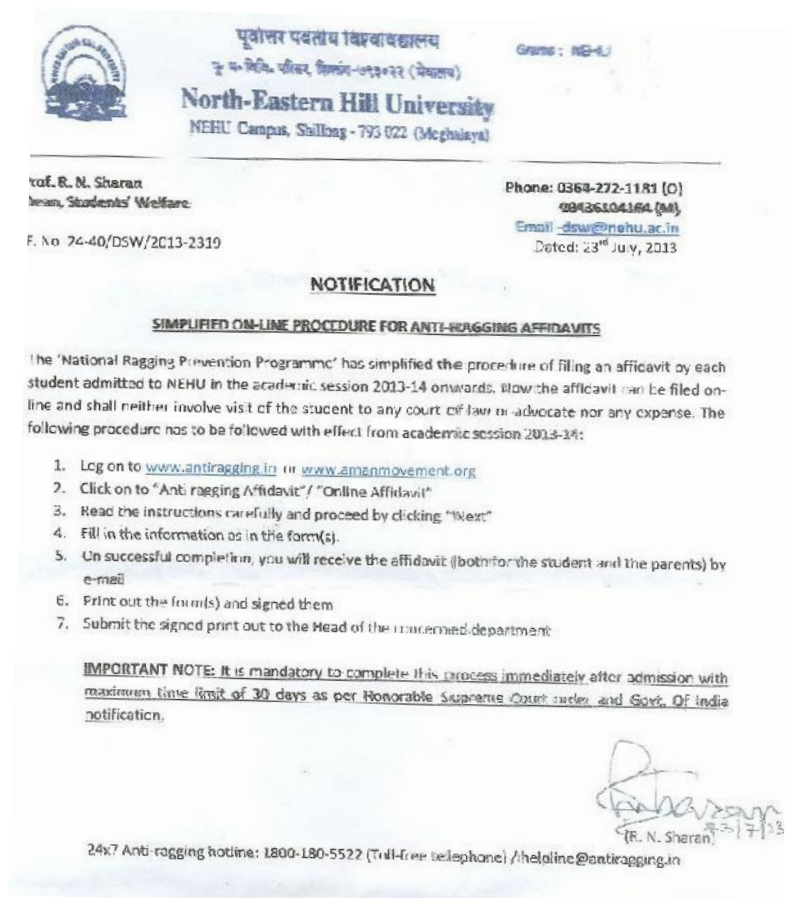


Figure 2.4: Notification of on-line procedure for anti-ragging affidavit.

5.1.19 *How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?*

Yes.



5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities where such efforts were made?

The boys and girls students take part in almost all the sports and cultural activities together.

## 5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Enrolment of students in the last four academic years :

Academic Year	2011 - 12	2012 - 13	2013 - 14	2014 - 15
UG	992	1082	953	1432
PG	2214	2215	2280	2412
M.Phil.	47	38	46	74
Ph.D.	636	620	665	743

Table 2.39: Student enrolment information for the last four years.

Enrollments of students in the University and affiliated colleges of the University :

University Teaching Department : Enrolled Students # 3515 during 2009 - 10										
Enrollment of students for Academic Year 2009 - 10 : University Teaching Departments										
Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
UG	152	105	181	167	65	20	47	16	445	308
PG	96	125	637	1082	14	9	5	16	752	1232
M. Phil.	7	3	19	25	0	1	1	2	27	31
Ph. D.	102	94	161	182	5	2	7	4	275	282
Others	1	9	53	99	0	0	0	1	54	109
<b>Grand Total</b>	<b>358</b>	<b>336</b>	<b>1051</b>	<b>1555</b>	<b>84</b>	<b>32</b>	<b>60</b>	<b>39</b>	<b>1553</b>	<b>1962</b>
Affiliated Colleges : Enrolled Students # 35771 during 2009 - 10										
Enrollment of Students for the Academic Year 2009 - 10 : Affiliated Colleges										
Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
UG	3109	2507	13585	15406	217	193	309	284	17220	18390
PG	46	52	29	20	4	2	4	4	83	78
<b>Grand Total</b>	<b>3155</b>	<b>2559</b>	<b>13614</b>	<b>15426</b>	<b>221</b>	<b>195</b>	<b>313</b>	<b>288</b>	<b>17303</b>	<b>18468</b>
University Teaching Department : Enrolled Students # 4072 during 2010 - 11										
Enrollment of students for Academic Year 2010 - 11 : University Teaching Departments										
Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F



<b>UG</b>	175	103	231	219	79	22	54	17	539	361
<b>PG</b>	89	144	668	1109	7	11	6	8	770	1272
<b>M.Phil.</b>	4	3	13	28	0	0	0	1	17	32
<b>Ph.D.</b>	125	137	210	259	11	9	9	9	355	414
<b>Others</b>	48	29	82	110	9	0	23	11	162	150
<b>Grand Total</b>	<b>441</b>	<b>416</b>	<b>1204</b>	<b>1725</b>	<b>106</b>	<b>42</b>	<b>92</b>	<b>46</b>	<b>1843</b>	<b>2229</b>
<b>Affiliated Colleges : Enrolled Students # 38400 during 2010 - 11</b>										
<b>Enrollment of Students for the Academic Year 2010 - 11 : Affiliated Colleges</b>										
<b>Courses</b>	<b>General</b>		<b>ST</b>		<b>SC</b>		<b>OBC</b>		<b>Total</b>	
	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>
<b>UG</b>	3047	2654	14326	17158	193	189	330	290	17896	20291
<b>PG</b>	55	62	37	28	4	2	3	0	99	92
<b>PGDCA</b>	3	3	9	5	0	0	1	1	13	9
<b>Grand Total</b>	<b>3105</b>	<b>2719</b>	<b>14372</b>	<b>17191</b>	<b>197</b>	<b>191</b>	<b>334</b>	<b>291</b>	<b>18008</b>	<b>20392</b>
<b>University Teaching Department : Enrolled Students # 4571 during 2011 - 12</b>										
<b>Enrollment of students for Academic Year 2011 - 12 : University Teaching Departments</b>										
<b>Courses</b>	<b>General</b>		<b>ST</b>		<b>SC</b>		<b>OBC</b>		<b>Total</b>	
	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>
<b>UG</b>	176	97	292	278	65	27	35	22	568	424
<b>PG</b>	92	145	734	1200	8	17	8	10	842	1372
<b>M.Phil.</b>	5	5	9	28	0	0	0	0	14	33
<b>Ph.D.</b>	107	110	159	226	10	10	4	10	280	356
<b>Others</b>	108	76	104	116	67	130	43	38	322	360
<b>Grand Total</b>	<b>488</b>	<b>433</b>	<b>1298</b>	<b>1848</b>	<b>150</b>	<b>184</b>	<b>90</b>	<b>80</b>	<b>2026</b>	<b>2545</b>
<b>Affiliated Colleges : Enrolled Students # 37250 during 2011 - 12</b>										
<b>Enrollment of Students for the Academic Year 2011 - 12 : Affiliated Colleges</b>										
<b>Courses</b>	<b>General</b>		<b>ST</b>		<b>SC</b>		<b>OBC</b>		<b>Total</b>	
	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>
<b>UG</b>	2287	2267	14301	17325	176	202	282	238	17046	20032
<b>PG</b>	58	59	21	20	3	3	8	0	90	82
<b>Grand Total</b>	<b>2345</b>	<b>2326</b>	<b>14322</b>	<b>17345</b>	<b>179</b>	<b>205</b>	<b>290</b>	<b>238</b>	<b>17136</b>	<b>20114</b>
<b>University Teaching Department : Enrolled Students # 4692 during 2012 - 13</b>										
<b>Enrollment of students for Academic Year 2012 - 13 : University Teaching Departments</b>										
<b>Courses</b>	<b>General</b>		<b>ST</b>		<b>SC</b>		<b>OBC</b>		<b>Total</b>	
	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>
<b>UG</b>	192	102	327	326	51	21	37	26	607	475
<b>PG</b>	76	141	666	1277	11	18	12	14	765	1450
<b>M.Phil.</b>	4	9	11	14	0	0	0	0	15	23
<b>Ph.D.</b>	119	124	157	188	6	7	7	12	289	331
<b>Others</b>	146	73	141	278	16	8	39	36	342	395
<b>Grand Total</b>	<b>537</b>	<b>449</b>	<b>1302</b>	<b>2083</b>	<b>84</b>	<b>54</b>	<b>95</b>	<b>88</b>	<b>2018</b>	<b>2674</b>
<b>Affiliated Colleges : Enrolled Students # 37250 during 2012 - 13</b>										
<b>Enrollment of Students for the Academic Year 2012 - 13 : Affiliated Colleges</b>										



Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
UG	2425	2270	16607	19367	262	247	360	280	19654	22164
PG	49	57	26	20	2	4	2	1	79	82
PGDCA	4	3	7	5	2	0	0	0	13	8
<b>Grand Total</b>	<b>2478</b>	<b>2330</b>	<b>16640</b>	<b>19392</b>	<b>266</b>	<b>251</b>	<b>362</b>	<b>281</b>	<b>19746</b>	<b>22254</b>
<b>University Teaching Department : Enrolled Students # 4856 during 2013 - 14</b>										
<b>Enrollment of students for Academic Year 2013 - 14 : University Teaching Departments</b>										
Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
UG	238	110	269	146	69	20	71	30	647	306
PG	83	148	664	1293	11	23	8	16	766	1480
M.Tech.	8	5	9	5	5	2	0	0	22	12
M.Phil.	4	9	17	15	1	0	0	0	22	24
Ph.D.	123	112	164	217	19	11	12	7	318	347
Others	126	61	95	214	23	5	42	19	286	299
<b>Grand Total</b>	<b>591</b>	<b>465</b>	<b>1358</b>	<b>2038</b>	<b>129</b>	<b>68</b>	<b>134</b>	<b>73</b>	<b>2212</b>	<b>2644</b>
<b>Affiliated Colleges : Enrolled Students # 44931 during 2013 - 14</b>										
<b>Enrollment of Students for the Academic Year 2013 - 14 : Affiliated Colleges</b>										
Courses	General		ST		SC		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
UG	2599	2357	17732	20877	233	212	357	311	20921	23757
PG	37	63	42	67	3	5	4	2	86	137
PGDCA	2	2	13	13	0	0	0	0	15	15
<b>Grand Total</b>	<b>2638</b>	<b>2422</b>	<b>17787</b>	<b>20957</b>	<b>236</b>	<b>217</b>	<b>361</b>	<b>313</b>	<b>21022</b>	<b>23909</b>

Table 2.40: Enrollments of students in the University during 2009 - 14.

### 5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

Pass percentage course-wise from 2009 to 2013 is given in the Table 2.41:

Table 2.41: Programme-wise completion rate of students during 2009 - 13.

Years	2009			2010			2011			2012			2013		
	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %
<b>B.A. (Pass)</b>	3144	2572	82	3837	2589	68	3824	2496	65	4237	2700	64	4297	2526	59
<b>B.A. (Hons.)</b>	2472	2183	88	2231	1934	87	2398	2246	94	2610	2202	84	2438	2065	85
<b>B.Sc. (Pass)</b>	42	40	95	40	36	90	55	53	96	38	37	97	34	33	97
<b>B.Sc. (Hons.)</b>	580	527	91	536	507	95	586	560	96	662	626	95	688	632	92



Years	2009			2010			2011			2012			2013		
	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %
<b>B.Sc. Home Sc. (Pass)</b>	NIL	NIL	NIL	NIL	NIL	NIL	2	2	100	2	2	100	NIL	NIL	NIL
<b>B.Sc. Home Sc. (Hons.)</b>	20	20	100	22	22	100	16	16	100	19	19	100	15	13	87
<b>B.Com. (Pass)</b>	252	176	70	243	195	80	266	180	68	320	141	44	361	225	62
<b>B.Com. (Hons.)</b>	326	295	91	299	264	88	459	420	92	485	403	83	768	702	91
<b>B.B.A. (Hons.)</b>	206	171	83	228	209	92	259	243	94	188	163	87	164	159	97
<b>B.C.A. (Hons.)</b>	24	20	83	279	85	31	106	105	99	52	50	96	65	60	92
<b>B.S.W.</b>	NIL	NIL	NIL	52	51	98	92	87	95	92	89	97	79	78	99
<b>B.Sc. (Nursing)</b>	NIL	NIL	NIL	30	30	100	59	59	100	41	40	98	44	44	100
<b>MBBS</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	49	48	98
<b>LLB</b>	94	88	94	139	119	86	220	143	65	106	80	76	173	37	21
<b>B.Ed.</b>	408	374	92	406	362	89	402	347	86	415	355	86	429	390	91
<b>B.A. LLB (Hons.)</b>	NIL	NIL	NIL	32	28	88	39	37	95	49	39	80	45	32	71
<b>B.Ed. SEDE</b>	24	13	54	22	19	86	44	27	61	54	34	63	82	45	55
<b>B.Tech.</b>	115	12	10	NIL	NIL	NIL	NIL	NIL	NIL	203	167	82	310	270	87
<b>M.A.</b>	566	492	87	593	449	76	565	441	78	624	517	83	626	555	89
<b>M.Sc.</b>	245	200	81	239	198	83	281	242	86	300	253	84	301	243	81
<b>M.Com.</b>	40	29	73	32	12	38	26	14	54	32	14	44	47	29	62
<b>M.Lib. Info. Sc.</b>	24	21	88	19	13	68	23	17	74	26	19	73	30	26	87
<b>MBA</b>	63	49	78	63	55	87	64	58	91	55	52	95	58	58	100
<b>MCA</b>	NIL	NIL	NIL	12	10	83	26	24	92	24	24	100	25	22	88
<b>M.S.W.</b>	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	26	26	100
<b>PGDCA</b>	21	12	57	21	17	81	19	18	95	17	14	82	14	13	93



Years	2009			2010			2011			2012			2013		
	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %	A *	P †	P %
<b>PG Diploma</b>	42	31	74	72	57	79	26	26	100	34	34	100	33	33	100
<b>Certificate</b>	5	5	100	2	1	50	NIL	NIL	NIL	2	2	100	NIL	NIL	NIL
<b>M.Ed.</b>	NIL	NIL	NIL	21	21	100	23	22	96	20	20	100	33	23	70
<b>B.Tech. (CSE)</b>	NIL	NIL	NIL	43	30	70	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>B.Tech. (ECE)</b>	NIL	NIL	NIL	81	64	79	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡
<b>B.Tech. (IT)</b>	NIL	NIL	NIL	71	55	78	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡	NC ‡
<b>FC SEDE</b>	NIL	NIL	NIL	1	1	100	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>M.Phil.</b>	NIL	15	NIL	NIL	19	NIL	NIL	37	NIL	NIL	13	NIL	NIL	4	NIL
<b>Ph.D.</b>	NIL	42	NIL	NIL	62	NIL	NIL	78	NIL	NIL	95	NIL	NIL	59	NIL

\* Appeared,

† Passed,

‡ Not Compiled,

Please note: Result Analysis of 2014 is under process.

5.2.3 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defence, Civil Services, etc.?

Data for UGC-CSIR-NET, UGC-NET is available. However information on other examinations mentioned above does not exist. Result of the UGC National Eligibility Test for Junior Research Fellowship (JRF) and Eligibility for Lectureship year wise.

Sl. No.	Year Wise & Date	JRF	Lectureship	Total
1	28-06-2009	7	56	63
2	27-12-2009	13	3	16
3	27-06-2010	12	19	31
4	26-12-2010	11	32	43
5	26-06-2011	14	25	39
6	24-12-2011	16	43	59
7	24-06-2012	4	154	158
8	30-12-2012	18	142	160
9	30-06-2013	15	93	108
10	29-12-2013	11	91	102
11	29-06-2014	11	76	87





Sl. No.	Year Wise & Date	JRF	Lectureship	Total
		<b>Total</b>	<b>734</b>	<b>866</b>

Table 2.42: Year-wise result of the UGC National Eligibility Test of students during 2009 - 14.

5.2.4 Provide category-wise details regarding the number of Ph.D. / D.Litt. /D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

Year	M.Phil.	Ph.D.
2009	15	42
2010	19	62
2011	37	78
2012	13	95
2013	4	59
2014	13	111

Table 2.43: Theses submission/ accepted/ resubmitted/ rejected during 2009 - 14.

### 5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

#### 1. Sports

##### (a) 2009-2010 Sports Activities

##### Sports Activities

*Performances in sports activities: Sports Activities:* The following sports activities were conducted during the year 2009-2010: (i) P. C. Lalmuanphui Inter-Hostel Basketball Tournament organized by Sensiar Hall of Residence, and (ii) Romengo Murry Memorial Inter- Hostel Table Tennis Tournament organized by Saramati Hall of Residence.

*The DSW office supported the conduct of the following additional student' activities:* In order to coincide the term of the North-Eastern Hill University Students' Union (NEHUSU) and of the Academic Calendar, the election to the Students Union Executive Committee were held in 27th November 2009 and the new office-bearers took charge soon thereafter. DSW office supported the annual event of NEHUSU to showcase academic, sport and cultural talents of the students of the University. The Varsity Week was held from 19<sup>th</sup> March 2009 to 24<sup>th</sup> April 2009 and the same concluded with a week of celebrations from 19<sup>th</sup> April 2009 onwards. Most of the final competition took place during this week. Other events organized by the NEHUSU were



Parting Social, Fresher Social and Advance Christmas. (*Sports Department*)  
The Sports Department worked in close association with the NEHUSU, the wardens of various hostels and the Campus Welfare Committee of residents in the campus. The Indoor Stadium and Community Hall have been made available to students and campus residents. Gym stations and equipments were also made available to the residents. The Department has been involved in assisting in the various events conducted by NEHUSU especially the Varsity Fest 2009 which was held from 19th March to 24th April 2009. His Excellency, the Governor of Meghalaya and Chief Rector of the University, Shri. R. S. Mooshahary was the Chief Guest in the closing ceremony of this Fest. A trekking-cum-camping event was organized in collaboration with NEHUSU at Sa-i-Mika Park, Sohra on 23-24 October 2009. The events brought friendship, memorable moments, joy and sense of responsibility among our PG and UG students.

(b) 2010-2011 Sports Activities

Sports Activities: The Romengo Murry Memorial Inter – Hostel Tournament was conducted during the year 2010-2011

*The DSW office supported the conduct of the following additional students' activities:* The elections to the executive committee of the Students' Union were held on 10<sup>th</sup> December 2010. The DSW office supported the annual events of NEHUSU to showcase talents of students of the University. During 2010-11 the Varsity Week was held from 19<sup>th</sup> March to 23<sup>rd</sup> April 2010 and the same con cluded with a week of celebrations from 19<sup>th</sup> April 2010.

(c) 2011-2012 Sports Activities



Performances in sports activities:

The Sports Department organised the NEHU Games 2012 from 26<sup>th</sup> to 30<sup>th</sup> March 2012. Ms. Ampareen Lyngdoh, Minister of Urban Affairs, Government was the Chief Guest at the opening function and declared the NEHU Games 2012 open. Shri. B. M. Ianong, Deputy Chief Minister, Government of Meghalaya, was the chief guest at the closing ceremony and gave the trophies. The various games organized included basketball, volleyball, table, tennis, badminton, carom and chess.

**CAMPUS NEWS**

**NEHU Games...**

*Contd. from page 1*  
 Rai presided over the function. All the games were competed at School Level of the University except for the Department of Law and the team from Tura Campus. Campus competed as a combined team. The various teams who participated include School of Life Sciences, School of Physical Sciences, School of Humanities, School of Education, School of Social Sciences, School of Human & Environmental Sciences, School of Economics, Management & Information Sciences, School of Technology, and Law Department. Referees/Umpires from the Badminton, Table Tennis, Basketball and Volleyball Associations assisted the department in conducting these Games. Chess & Carrom Board were conducted by Staff of NEHU.

Games Conducted			
	Men	Women	Total
Basketball (men & women)	120	108	228
Volleyball (men & women)	120	96	216
Table tennis (men & women)	40	40	80
Badminton (men & women)	40	40	80
Carrom board (men & women) and	30	30	60
Chess (combined)		30	30
<b>GRAND TOTAL</b>			<b>694</b>

GAMES RESULT	
<b>Basketball (Women)</b> Winner - Department of Law Runners Up - School of Human & Environmental Sciences Third Place - School of Education	<b>Runners Up - Humanities</b> Third Place - Social Sciences
<b>Basketball (Men)</b> Winner - School of Humanities Runners Up - School of Human & Environmental Sciences Third Place - School of Physical Sciences	<b>Badminton (Women)</b> Winner - Law Department Runners Up - School of Social Sciences Third Place - Human & Environmental Sciences
<b>Volleyball (Women)</b> Winner - School of Social Sciences Runners Up - School of Humanities Third Place - School of Education	<b>Badminton (Men)</b> Winner - School of Humanities Runners Up - Law Department Third Place - Technology
<b>Volleyball (Men)</b> Winner - School of Social Sciences Runners Up - School of Humanities Third Place - School of Technology	<b>Chess (Combined)</b> Winner - School of Physical Sciences Runners Up - School of Economics Third Place - School of Technology
<b>Table Tennis (Women)</b> Winner - Humanities Runners Up - Law Dept Third Place - Social Sciences	<b>Carrom Board (Women)</b> Winner - School of Humanities Runners Up - School of Life Science Third Place - Tura Campus
<b>Table Tennis (Men)</b> Winner - School of Technology	<b>Carrom Board (Men)</b> Winner - Tura Campus Runners Up - School of Social Sciences Third Place - School of Education

Figure 2.5: Games organized during 2011-12.

(d) 2012-2013 Sports Activities

Performances in sports activities:

The Department of Sports, seeks to promote and encourage student's participation in sports and games activities in order to tap the hidden talent of the students by giving them an opportunity for their all round development. The Department had organized Inter College Tournament in various disciplines for the session 2012-2013; these include *Badminton, Table-tennis, Chess, Basketball, Football and Cricket* where several affiliated colleges and NEHU P.G. Teams participated. On many occasions the Vice-Chancellor Prof. A.N. Rai was the Chief Guest.

NEHU Football team participated in the East Zone Inter-University Tournament organized by Burdwan University, West Bengal. The Table Tennis (women) team participated in the East Zone Inter-University Table Tennis organised by Calcutta University, West Bengal.

The Department of Sports also assisted and gave all logistic and financial support to the NEHUSU in the Varsity Fest-2013.

The Department of Sports in consultation with the Campus Development Department (CDD), NEHU, has begun the project of developing the first



phase of fencing and drainage of the NEHU ground and the work is in progress. Initiative is also being taken for the improvement of the basketball courts.

The Department of Sports at present is looking after the two gymnasiums meant for both boys and girls at the Fitness Centre and are fully functional.

## 2. NSS Activities

### (a) NSS Activities: Highlights 2008-2010

Review meeting of Principals and NSS Programme Officers; Launching of Red Ribbon Club in Meghalaya; Blood Donation; Free eye check up camps; Youth exchange programme at China; Inter State youth exchange programmes; Republic Day Parade Camp; National Integration Camp for Women (NICfW); National Youth Festival; North East Youth Festival; NSS Summer Camps; National Integration Camp; NSS Mega Camp; World Environment Day, 5th June; Disaster Management Programmes; Adventure Programmes; Poster Painting Competition; Observance of Anti-Terrorism Day; International Day against Drug Abuse (26th of June); International Youth Day, 12th August; Observance of Sadbhavana Diwas, 20th August; Observance of NSS Day, 24th September; Observance of International Day of Non Violence and Peace, 1st October; Training/Workshops/Orientation; Special Camps; Creation of Community Assets; Other Activities\*; University Level NSS Award; Indira Gandhi NSS Award

### (b) NSS Activities: Highlights 2012-2013

*Adventure Programme by NSS:* (a) NSS volunteers participated in the adventure Programme at Nagaland, Arunachal Pradesh, Jaisalmer (Rajasthan) and Narkanda, (HP). (b) 15 NSS volunteers from different colleges along with 1 Programme Officer of Shillong College, Shillong participated at the Summer Adventure Programme held at Patnitop (Jammu & Kashmir) from 29th June-8th July, 2012.

*Other Activities by NSS:* (a) NSS volunteers organized a mass awareness rally on “Save Wah Umkhrah”, a Seminar on “Fresh Water Crisis, a challenge of the 21st Century”, “Climate change the role of Christianity”, a street show on HIV/AIDS Programme. (b) Besides observing the International Day against Drug Abuse and Illicit Trafficking, NSS in collaboration with the Civil Defence Department organized a three day training Programme on Disaster Management. (c) Apart from the above, NSS also organized free health camps, drawing and painting competitions, cleaning drives, etc.



5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

The NSS and the Sports Cells of NEHU carry out these activities. The details can be seen in Annexure I - Sports:(Section 5.4, pp. 202) and Annexure II - NSS:(Section 5.5, pp. 210).

5.3.3 Does the university conduct special drives / campaigns for students to promote heritage consciousness?

Yes. The University conducts occasional seminars and workshops to promote heritage consciousness (Refer to the Figure 2.6).



**National Seminar on Diaspora and Folklore**



**From Left:** Professors B. Myrboh, S.K. Nanda and Desmond L. Kharmawphlang are photographed at the seminar. (Contributed photo)

The Department of Cultural and Creative Studies, North-Eastern Hill University, Shilong in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata organised a National Seminar on Diaspora and Folklore: Exploring the Changing Dimensions of Folklore in Tribal Diaspora from March 27-28, 2014.

Professor B. Myrboh, Pro-Vice-Chancellor, NEHU inaugurated the programme as the chief guest while Prof. Sumanya Satpathy, Head of English, Delhi University delivered the keynote address. Earlier, Prof. Subrat K. Nanda, Head, Department of Cultural and Creative Studies, NEHU welcomed the participants to the seminar.

The six technical sessions spread over a period of two days addressed the issues relating to the changing dimensions of folklore in the tribal diaspora in northeast India in particular and India in general. The major sub-themes of the seminar on which the participants deliberated upon include Tribal diaspora and folklore: Theoretical and Conceptual Issues; Tribal diaspora and folklore: change and continuity; Tribal diaspora and changing aspects of folk literature or verbal lore; Changing aspects of folk custom in tribal diaspora; Folk literary representations and reflections in tribal diaspora; Material culture in

tribal diaspora; Changing aspects of folk performing arts in tribal diaspora; Modernisation, pop culture and folklore in Tribal diaspora; and Globalisation, mass culture and folklore in tribal diaspora.

Speakers at the seminar include Prof. C. L. Imchen, Dean, School of Social Sciences, NEHU, Prof. S. K. Nanda, Dr. Sreeradha Datta, Director and Member Secretary, Maulana Abul Kalam Azad Institute of Asian Studies, (MAKAIAS), Kolkata, Mr. Shardool Thakur, Associate Professor, Department of English, Fergusson College, Shivajinagar, Pune, Prof. Sukalpa Bhattacharjee, Department of English, NEHU, Prof. Lucy Zehol, Department of Anthropology, NEHU, Dr. Anghuman Kar, Associate Professor, Department of English and Culture Studies, University of Burdwan, West Bengal, Dr. Nandini Bhattacharyya Panda, Fellow, Maulana Abul Kalam Azad Institute of Asian Studies, (MAKAIAS), Kolkata, Dr. Anil Boro, Associate Professor, Department of Folklore Research, Gauhati University and Dr. Kishore Bhattacharjee, Associate Professor, Department of Folklore Research, Gauhati University to name a few.

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**Figure 2.6:** Seminar to promote heritage consciousness.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

Students publish the magazine annually. Many departments like (Commerce and Hindi) have good traditions of regular display of wall magazines.



5.3.5 *Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.*

NEHUSU is a recognised students union governed by NEHU rules.

The union consists of: President, Vice-President, General Secretary, Assistant General Secretary, Finance Secretary, Games and Sports Secretary, Publicity Secretary, Social and Cultural Secretary, Academic Secretary, and Editor of the North Eastern Hill University Students' Union, Shillong for a period of one year.

The office bearers of the union are elected by a process of general election by the students of the university under the OFFICE OF THE ELECTION COMMISSION constituted by NEHU. The whole election process is carried under the supervision of Returning Officer(s) formed by the DSW.

NEHUSU with the support of DSW organizes annual event of NEHUSU to showcase academic, sport and cultural talents of the students of the University. The Varsity Fest continues for about a month which concludes with a week of celebrations in the last week of the Varsity Fest. Other events organized by the NEHUSU are Parting Social, Fresher Social and Advance Christmas and also trekking-cum-camping event. NEHUSU works in close association with the Sports Department of the University to execute various sports and co-curricular activities of the university. The Department of Sports also provides all logistic and financial support to the NEHUSU in the Varsity Fest. NEHUSU gets annual funding from the university.

5.3.6 *Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.*

DSW advise the University on the nomination of student representatives on various bodies of the University including Academic Council (AC) of the University.

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include.* No.

## 5.4 Annexure I - Sports

(a) Sports Activities 2009-2010

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*cont... from page 4*

of Sociology, Dr. Aparna Mathur, Department of History, Prof. Awadhesh Pradhan, Department of Hindi, Banaras Hindu University, Prof. Satyader

Tripathi, Department of Hindi, S.N.D.T. Women's University, Mumbai, and Dr. Sanjay, Department of Hindi, Mizoram University.

### SPORTS ROUND-UP



*Participants take part in the NEHU Open Marathon organized by the Sports Department in collaboration with the NEHU Students Union. (Publication Photo)*

The Sports Department, NEHU, organized the following programmes during the months of August and September:

**August 16 to 21:** First Jowai Zone Inter College Tournament for Badminton (Men & Women), Table Tennis (Men & Women) and Chess (Combined). The inaugural function of the tournament was held at Khimusniang Indoor Stadium, Jowai where Prof. P. Shukla, Vice-Chancellor, NEHU, graced the occasion as the chief guest and Mr. P.S. Dkhar, IAS, Deputy Commissioner of West Jaintia Hills District as the guest of honour. A total of four colleges comprising of 58 numbers of players participated in the Jowai Zone Tournament.

**August 21-23:** Shillong Zone Inter College Tournament for Badminton (Men & Women),

Table Tennis (Men & Women) and Chess (Combined). The inaugural function was held at the Indoor Stadium, NEHU. Prof. B. Myrboh, Pro-Vice-Chancellor, NEHU, Shillong graced the occasion as the chief guest. A total of 12 colleges comprising of 202 numbers of players participated in the tournament.

**August 30:** Inter Zonal Tournament for Badminton (Men & Women), Table Tennis (Men) and Chess (Combined). A total of 70 players from seven colleges participated in the tournament.

**September 6:** The Sports Department in collaboration with the NEHU Students Union organized the NEHU Open Marathon within NEHU Campus. Around 170 participants comprising of students, teachers and non-teaching staff took part in the event.

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## SPORTS ROUND-UP

### Inter-College Badminton, Table Tennis & Chess Tournament



*Prof. David Syiemlieh (second from left), Dr. S.N.Lamare, Teacher In-charge, Sports Department, Prof. B.S Mipun (left) and Mr. N. Das, Asstt. Director of Sports at the Closing Ceremony (Contributed Photo).*

The Sports Department, NEHU in collaboration with the Thomas Jones Synod College, Jowai organised the 2<sup>nd</sup> Jowai Zone Inter-College Badminton (Men & Women), Table Tennis (Men & Women) and Chess (Combined)

Tournament from July 28<sup>th</sup> to 29<sup>th</sup>, 2014. The tournament began with an opening ceremony graced by Dr. B.N. Lamare, Ex-Principal of Kiang Nangbah Govt. College.

The department also organised the

Shillong Zone Inter-College Badminton (Men & Women), Table Tennis (Men & Women) and Chess (Combined) Tournament on August 26<sup>th</sup> & 27<sup>th</sup>, 2014 and Inter-Zonal Inter-College Badminton (Men & Women), Table

Tennis (Men & Women) and Chess (Combined) Tournament on August 28<sup>th</sup>. Prof. David Syiemlieh, Ex Vice-Chancellor of the Rajiv Gandhi University, Itanagar, Arunachal Pradesh was the chief guest at the closing ceremony.

### Inter-College Football



*Prof. P.Shukla interacts with the players of Synod College, Shillong and St. Edmund's College, Shillong before the opening match at the J.N.Sports Complex, Polo (Contributed Photo).*

The Sports Department, NEHU organised the Inter-College Football (Men) Tournament 2014 from July 18<sup>th</sup> to 24<sup>th</sup>, 2014 at the J.N.Sports Complex, Polo, Shillong.

All together 14 colleges participated in the tournament, which began with an opening ceremony where Prof. P.Shukla, Vice-Chancellor, NEHU graced the occasion as the chief guest.

On July 24<sup>th</sup>, Prof. B.Myrbob, Pro-Vice-Chancellor, NEHU, was the chief guest at the final match played between Shillong College and St. Anthony's College, Shillong. Shillong College beat St. Anthony's College by 3 goals. The chief guest gave away the trophies and medals to the winners and runners-up. The program ended with a closing declaration by the chief guest.



**SPORTS ROUND-UP**

**Inter-College Basketball (Men & Women) Tournament**

The Sports Department also organised the Inter-College Basketball (Men & Women) Tournament from October 2<sup>nd</sup> to 5<sup>th</sup>, 2014 at the Basketball Ground, NEHU, Permanent Campus. St. Anthony's College of Shillong lifted the Championship trophy in the men's section while NEHU, Shillong Team lifted the Championship trophy in the women's section. Prof. B. Myrboh, Pro-Vice-Chancellor, NEHU was the chief guest at the Opening Ceremony while Dr. S.N.Lamare,



*NEHU Women basketball team members pose with their trophy. (Contributed Photo).*

Dean Students Welfare, In-charge Sports Department, NEHU was the chief guest at the closing ceremony.



*NEHU team members along with Prof. P. Shukla, Vice-Chancellor, NEHU, Dr. S.N.Lamare, Teacher In-charge, Sports Department, Mr. N. Das, Asstt. Director of Sports and Mr. A. Bhandari, Manager pose in front of the Vice Chancellor's Office, Shillong before leaving for the tournament.*

**Inter-University Table Tennis Tournament**

NEHU also took part in the East Zone Inter-University Table Tennis (Men & Women) 2014 which was held from September 27<sup>th</sup> to October 1<sup>st</sup> at the KIIT University, Bhubaneswar, Odisha. Both the Men and Women Table Tennis teams reached the quarter final while the Chess (Combined) team was placed in the 16<sup>th</sup> position.

**“Happiness lies ahead for those who cry; those who hurt, those who have searched, and those who tried, for only they can appreciate the importance of people who have touched their lives”.**  
—Anonymous





**SPORTS ROUND-UP**

**St. Edmund’s College Wins Cricket Tourney**

The Sports Department organised an Inter-College Cricket (Men) Tournament at the Shillong Cricket Association Ground, Polo from November 4<sup>th</sup> to 14<sup>th</sup> last year.

Dr.S.N.Lamare, Dean of Students Welfare cum Teacher In-Charge, Sports Department, NEHU, Shillong was the Chief Guest at the opening ceremony while Prof. P. Shukla, Vice-



*The St. Edmund’s College team poses with NEHU staff. (Contributed photo)*

Chancellor, NEHU, Shillong was the Chief Guest at the opening ceremony. St. Edmund’s College, Shillong lifted the championship trophy by defeating St. Anthony’s College, Shillong.

**Inter-college Volleyball**



*The winning teams pose with Prof. P. Shukla, Vice-Chancellor, NEHU, Shillong, Dr. S.N.Lamare, DSW cum Teacher In-charge, Sports Department and Mr. N. Das, Assistant Director of Sports. (Contributed photo)*

The Sports Department, NEHU organised an Inter-College Volleyball (Men & Women)

Tournament at the Kendriya Vidyalaya Ground from November 26<sup>th</sup> to 27<sup>th</sup> last year. St.

Edmund’s College, Shillong lifted the championship trophy in the men’s section while

Women’s College, Shillong lifted the championship trophy in the women’s section.



**SPORTS ROUND-UP**

**Inter-University Badminton Tourney**

Both men and women teams from NEHU reached the pre-quarter finals of the East Zone Inter-University Badminton (Men & Women) Tournament at the Banaras Hindu University, Varanasi, Uttar Pradesh held from December 20<sup>th</sup> to 24<sup>th</sup> last year.



Badminton players from NEHU at the Banaras Hindu University campus. (Contributed photo)



Pro-Vice-Chancellor, NEHU, Tura Campus cuts the ribbon during the inaugural function of the Varsity Week 2015 at Tura Campus on March 20. The event was organised by the Post Graduate Students' Union, NEHU Tura Campus. Contributed Photo.

“Even if you could live to be 100, it’s really a very short time. So why not spend it undergoing this process of evolution, of opening your mind and heart, connecting with your true nature - rather than getting better and better at fixing, grasping, freezing, and closing down.”

—Anonymous

“When we encounter someone greater than ourselves, turn your thoughts to becoming his equal. When you encounter someone lesser than you, look within and examine your own self.”

—Anonymous



## 5.5 Annexure II - NSS

### North-Eastern Hill University

(A University with Potential for Excellence)

NAAC Reaccreditation (2009) : 'A' Grade

Shillong 793 022 India

#### NATIONAL SERVICE SCHEME (NSS)

##### HIGHLIGHTS (2008-2010)

1. Review meeting of Principals and NSS 1. Programme Officers
2. Launching of Red Ribbon Club in Meghalaya
3. Blood Donation
4. Free eye check up camps
5. Youth exchange programme at China
6. Inter State youth exchange programmes
7. Republic Day Parade Camp
8. National Integration Camp for Women (NICfW)
9. National Youth Festival
10. North East Youth Festival
11. NSS Summer Camps
12. National Integration Camp
13. NSS Mega Camp
14. World Environment Day, 5th June.
15. Disaster Management Programmes
16. Adventure Programmes
17. Poster Painting Competition
18. Observance of Anti-Terrorism Day
19. International Day against Drug Abuse (26th of June)
20. International Youth Day, 12th August
21. Observance of Sadbhavana Diwas, 20th August
22. Observance of NSS Day, 24th September
23. Observance of International Day of Non Violence and Peace, 1st October
24. Training/Workshops/Orientation
25. Special Camps
26. Creation of Community Assets
27. Other Activities
28. University Level NSS Award
29. Indira Gandhi NSS Award





### REVIEW MEETING OF PRINCIPALS AND NSS PROGRAMME OFFICERS



Shri. Paul Lyngdoh, Min. of Sports & Youth Affairs,  
Shri S. K. Arora, Secretary, MYA&S, GOI.  
Prof. P. Tandon, VC, NEHU.



Programme Officers and Principals of Colleges at  
the Programme

The NSS Cell, NEHU organized a Review meeting for College Principals and NSS Programme Officers of various Colleges of Meghalaya on the 29th May 2008 at the Conference Hall, NEHU. The Objective of the meeting was to review and streamline the activities of the NSS units. Proposed Action Plans were discussed for implementation for the new session. Shri. Paul Lyngdoh, Minister of Sports and Youth Affairs, Govt. of Meghalaya, Shri. S.K.Arora, Secretary, Ministry of Youth Affairs and Sports, Government of India and Prof. Pramod Tandon, Vice Chancellor, NEHU and Chairman UAC were present in the meeting besides other officials from other organizations.

### SECOND REVIEW MEETING FOR PROGRAMME OFFICERS

The second Review meeting of NSS Programme Officers was held at Women's College, Shillong on the 9th of May, 2009. Thirty Six (36) Programme Officers of different colleges and Higher Secondary Schools attended the meeting. Important aspects related to streamlining the activities and the review of past activities and formulation of action plans and strategies were discussed.



Principal Women's College Speaking at Review Meeting of NSS Programme Officers

### THIRD REVIEW MEETING FOR PROGRAMME OFFICERS

The Third Review meeting for NSS Programme Officers of Garo Hills was held at Tura Government College, Tura on 24th of October, 2009. Fourteen (14) Programme Officers of different colleges and Higher Secondary Schools attended the meeting. Important aspects related to streamlining the activities and the review of past activities and formulation of action plans and strategies were discussed.

### FOURTH REVIEW MEETING FOR PROGRAMME OFFICERS

The Fourth Review meeting of NSS Programme Officers was held at Lady Keane College, Shillong on 28th of June, 2010. Twenty Five (25) Programme Officers of different colleges



and Higher Secondary Schools attended the meeting. Important aspects related to streamlining the activities and the review of past activities and formulation of action plans and strategies were discussed.

#### **LAUNCHING OF RED RIBBON CLUB IN MEGHALAYA**

The Red Ribbon Club is a voluntary on-campus intervention Programme for students in educational institutions. It aims at harnessing the potential of the youth by equipping them with the correct information on HIV/AIDS prevention, care and support. It also aims in building their capacities as peer educators in spreading messages on positive health behaviours in an enabling environment and increasing voluntary blood donation from amongst the youth.

The Programme was officially launched for the first time in Meghalaya on the 12th of August, 2008 at NEHU where Shri. Manas Choudhary (Education Minister, Meghalaya) was the Chief Guest on the occasion. Ten (10) colleges from across the state were identified to undertake the RRC Project. This programme was organized by NSS Cell, NEHU in collaboration with Meghalaya AIDS Control Society (MACS). For the year 2009-10 other 10 colleges also successfully implemented the project.

#### **BLOOD DONATION**

Motto "*Let not one life be lost due to lack of safe blood*"



Volunteers donated blood

The NSS Units have been regularly organizing Blood Donation Camps and Voluntary donations for needy patients. The NSS Cell is making every effort to sustain this campaign by organizing various motivational camps and networking with related organizations like the Regional Blood Bank, Pasteur Institute, NEIGRIHMS, Nazareth Hospital besides others.

The NSS is also striving towards compiling and updating the list of blood donors through the units to provide a Data base in times of emergency. Under this initiative, the voluntary donors can be reached through the respective Programme Officers of the college unit in case of a medical emergency. It is our firm conviction that this will grow into a large movement as more and more NSS volunteers join in this noble cause. The NSS Cell, NEHU acknowledges the contribution made by the volunteers and also the initiative of the Programme Officers in organizing numerous Blood Donation Camps. The total number of Camps conducted during the period (March 2008 to April 2009) was fifteen and the total number of units of blood donated was more than 200. A special mention may be made of the Mobile Blood Bank initiated by the NSS Unit of St. Edmund's College where 65 volunteers have pledged to donate blood to patients in time of need.

NSS Units were felicitated by the Government of Meghalaya on the occasion of number of blood donation camps conducted during the period (April 2009 to December 2010): 13 Camps.



Number of Colleges that participated in the camps: 09 Nos.

World Blood Donors Day on 14th June 2010 at State Central Library, Shillong.

St. Edmund's College, Shillong	56 Vols and 56 units of Blood donated
St. Anthony's College, Shillong	47 Vols and 47 units of Blood donated
Umshyrpi College, Shillong	28 Vols and 28 units of Blood donated
Shillong College, Shillong	6 Vols and 6 units of Blood donated
Sankardev College, Shillong,	3 Vols and 3 units of Blood donated
Shillong Commerce College, Shillong	20 Vols and 20 units of Blood donated
BBS College, Shillong	15 Vols and 15 units of Blood donated
Lady Keane College, Shillong	8 Vols and 8 units of Blood donated
NEHU Health Centre, Shillong	2 Vols and 2 units of Blood donated
St. Edmund's College, Shillong	33 Vols and 33 units of Blood donated
St. Anthony's College, Shillong	40 Vols and 40 units of Blood donated
BBS College, Shillong	16 Vols and 16 units of Blood donated
Union Christian College, Shillong	16 Vols and 16 units of Blood donated
Total Number of Student Volunteers:	Total Number of units of blood donated:
290 Vols	290 Units

#### FREE EYE CHECK UP CAMPS

**Health has been a focal area of NSS programmes and in addition to the health check-up camps, this year a special emphasis was laid on eye care. In keeping with this, 6(six) free eye camps were organized as listed below:**

*Free eye check-up camps at NEHU Campus, Organized by the NSS Cell on the 8<sup>th</sup> of September, 2008. A total of 250 people comprising staff and students benefitted from the camp.*



The Vice Chancellor at an Eye Camp in NEHU Campus



A student getting her eye checked at an eye camp

1. The Free Eye Camp was conducted at the Shillong College Campus and it was organized by the Shillong College NSS Unit in collaboration with **Bansara Eye Care** on the 26<sup>th</sup> of July, 2008. 300 patients were benefitted from this Camp. The Free Eye Camp was conducted at the Sngap Syiem College Campus. It was organized by the College's NSS Unit in collaboration with **Bansara Eye Clinic** on the 6<sup>th</sup> of September, 2008 in which more than 400 patients from the Community reaped its benefits.

2. St. Anthony's College conducted the Free Eye Camp at the college's Conference Hall. This camp was organized by the NSS Unit of the college in collaboration with **Bansara Eye Clinic** on the 20<sup>th</sup> of June, 2008 in which a 94 people were benefitted.

3. Sngap Syiem College, Mawkyrwat organised a **Free Eye Check-up Camp** on 20<sup>th</sup> November 2009 in collaboration with Bawri Nethralaya Eye Care. About 352 people were benefitted.



4. St. Mary's College, Shillong also conducted a Free Eye Camp at its campus. This camp was organized by the St. Mary's NSS Unit in collaboration with the **Bansara Eye Clinic** on the 26<sup>th</sup> of November, 2008 in which around 300 patients were benefitted.
5. The NSS Unit of Sngap Syiem College organized a Free Eye Camp and an Awareness Programme on 10<sup>th</sup> September 2010 in collaboration with **Bethany Society & Bawri Nethralaya**, Shillong at Mawsaw Upper Primary School, Mawsaw. More than 300 people were benefitted during this camp.
6. UCC had also conducted a Free Eye Camp in collaboration with **Bansara Eye Camp** on the 12<sup>th</sup> of November, 2008 in which about 235 patients were benefitted.
7. Another Free Eye Camp was conducted by the NSS Unit of Sngap Syiem College for the college students in collaboration with **Bansara Eye Care** on 14<sup>th</sup> September 2010 at the college campus.

#### YOUTH EXCHANGE PROGRAMME AT CHINA

Every year, under the *Ministry of Youth Affairs and Sports* led initiative one NSS volunteer from Meghalaya is nominated to visit China as part of a 100 member **Indian Youth delegation**.

**Ms. Felisha Mawlong**, an NSS volunteer of **Lady Keane College, Shillong** was nominated by the, *Ministry of Youth Affairs & Sports* as member of the **Indian Youth Delegation to China for the year 2008**.

**Ms. Baslianghun Khongstid**, an NSS Volunteer of **Shillong College, Shillong** was also nominated by *Ministry of Youth Affairs & Sports* as member of the **Indian Youth Delegation to China** for the year 2009.

**Ms. Davida Paswett** an NSS Volunteer of **St. Anthony's College, Shillong** was also nominated by *Ministry Youth Affairs & Sports* as member of the Indian Youth Delegation to China for the year 2010.



Ms. Felisha Mawlong



Ms. Davida Paswett

#### Inter State Youth Exchange Programmes

In an effort towards creating better mutual understanding and appreciation of cultures, the Inter State Youth Exchange Programmes (ISYE) & Home Stay Programme (HSP) has been a regular feature of NSS Programmes.

Some of the programme highlights are as under:

- The Programme was held in **Meghalaya** from the 31<sup>st</sup> of October till the 8<sup>th</sup> of November, 2008. 50 students from Maharashtra and Rajasthan participated in this Programme. Students from various colleges of Shillong, Tura and Khliehriat hosted the guests.



- The First Programme was held in **Rajasthan** from the 20<sup>th</sup> of March, 2009 till the 30<sup>th</sup> of March, 2009. Forty students from P.G. Unit, NEHU, Shillong attended the Programme.
- The Second Programme was held in **Tamil Nadu** from the 20<sup>th</sup> of July, 2008 till the 30<sup>th</sup> of July, 2008. Twelve Volunteers from Tiroit Sing College, Mairang; and Jaintia Eastern Khliehriat, Jaintia Hills District accompanied by David Diengdoh P.O. Jaintia Eastern College participated in the Programme.
- The Third Programme was held in **Andhra Pradesh** from the 20<sup>th</sup> of August, 2008 till the 30<sup>th</sup> of August, 2009. Thirteen Volunteers from Tura Government College, accompanied by T.A. Momin, Deputy Programme Coordinator (DPC), participated in the Programme.
- Inter State Youth Exchange Programme was held at Arunachal Pradesh from 9<sup>th</sup>-18<sup>th</sup> November 2009, 8 NSS volunteers along with Mr. B. Thapa, NSS Programme Officer of BBS College attended the programme.
- Another programme was held at RGNIYD, Tamil Nadu from 1<sup>st</sup>-10<sup>th</sup> March, 2010. Nine (9) NSS Volunteers along with 1 Programme Officer from P. G. unit, NEHU, Shillong participated in the Programme.
- 10 NSS volunteers of Synod College along with the Programme Officer participated at the Interstate Youth Exchange and Home Stay Programme held at Sriperembudur & Tanjore from 5<sup>th</sup>-14<sup>th</sup> August 2010.



Chairman Planning Board Shri P.A. Sangma seen with participants from Gujarat & Maharashtra



NSS volunteers Seng Khasi College in traditional attire

### Republic Day Parade Camp

Each year, NSS Volunteers from various colleges of Meghalaya are selected to attend a Pre Republic Day Parade Camp which are held at various parts of the country. The last Camp was held at Baripada, Orissa from 14<sup>th</sup>- 23<sup>rd</sup> November 2008 in which 10 students participated.





Selection Camp for Pre Republic Day Parade Camp: 74 NSS Volunteers from various colleges of Meghalaya attended the camp at NEHU, Permanent Campus held on 11<sup>th</sup> of September 2009.

Pre Republic Day Parade Camp: 10 selected volunteers along with Ms. I. Nongbri, NSS Programme Officer, Sankardev College attended the camp at Guwahati from 22<sup>nd</sup> to 31<sup>st</sup> October, 2009.

Republic Day Parade Camp: Ms. I. Nongbri, NSS Programme Officer contingent leader North East Region along with 2 NSS volunteers, Ms. Geeta Das from UCC, Umiam and Mr. H. Lalremruata of Umshyrpi College, Shillong attended the Republic Day Parade Camp at New Delhi from 1<sup>st</sup>-31<sup>st</sup> January, 2010.

Selection Camp for Pre Republic Day Parade Camp: 65 NSS Volunteers from various colleges of Meghalaya attended the camp at NEHU, Permanent Campus held on 3<sup>rd</sup> September 2010.

Pre Republic Day Parade Camp: 10 selected volunteers from different Colleges attended the camp in Sikkim from 1<sup>st</sup> to 10<sup>th</sup> October, 2010.

Mr. Bhakupar Lyngdoh of BBS College and Ms. Palvy Dora Kharkongor of Shillong College were selected to attend the Republic Day Parade Camp at New Delhi from the 1<sup>st</sup>-31<sup>st</sup> January, 2009

Republic Day Parade Camp: 2 NSS volunteers, Ms. Nasima B. Choudhury and Mr. Shining Star Kharbuli of Shillong College, Shillong attended the Republic Day Parade Camp at New Delhi from 1<sup>st</sup>- 31<sup>st</sup> January, 2011.



NSS Volunteers with His Excellency Shri. Hamid Ansari, the Vice President of India.

#### **National Integration Camp for Women (NICfW)**

The event took place in **Andhra Pradesh** from the 15<sup>th</sup>- 21<sup>st</sup> of December, 2008. Nine female NSS Volunteers accompanied by Ms.V. Momin, P.O. from Tura Government College, attended the Camp.

#### **National Youth Festival**

The **XIV National Youth Festival** was held at **Amritsar, Punjab** from the 13<sup>th</sup> of January, 2009 till the 15<sup>th</sup> of January, 2009. Two volunteers from St. Anthony's College, Shillong participated in the camp.

The **XV National Youth Festival** was held at Bhubaneswar, Orissa from 8<sup>th</sup>- 12<sup>th</sup> January, 2010. Ten (10) NSS volunteers from Tura Government College, tura along with 1 Programme Officer attended the programme.



The **XVI National Youth Festival** was held at Udaipur, Rajasthan from 12<sup>th</sup>- 16<sup>th</sup> January, 2011. Ten (10) NSS volunteers of different Colleges from Khasi Hills along with 1 Programme Officer attended the programme.



NSS volunteers at the XVI National Youth Festival, Udaipur, Rajasthan.

#### **North East Youth Festival**

6 NSS volunteers from UCC and Sankardev College accompanied by Dr. Ashish Malhotra, NSS Programme Officer attended the Programme at Kohima, Nagaland from 8<sup>th</sup>- 10<sup>th</sup> October, 2009.

#### **NSS Summer Camps**

- 10 NSS volunteers from Shillong College along with 1 Programme Officer participated at the Mega Summer Camp held at RGNIYD, Sriperembudur from 22<sup>nd</sup> June to 3<sup>rd</sup> July, 2009.
- Another Mega Summer Camp was held at RGNIYD, Sriperumbudur from 8<sup>th</sup>- 19<sup>th</sup> June 2010. 10 NSS volunteers from Don Bosco College, Tura along with Mr. P.C. Mohanty NSS Programme Officer participated at the Camp.



NSS volunteers at the Mega Summer Camp at Sriperumbudur, Tamil Nadu.

#### **National Integration Camp**

9 NSS volunteers from Synod College, Shillong along with 1 Programme Officer attended a NIC at Gurgaon from 17<sup>th</sup> - 24<sup>th</sup> May, 2009.

#### **NSS Mega Camp**





13 NSS volunteers of different colleges of along with Ms. I. Nongbri programme Officer of Sankardev College attended a NSS Mega Camp which was held at New Delhi from 19<sup>th</sup>- 30<sup>th</sup> September 2010.

#### **World Environment Day, 5<sup>th</sup> June**

- NSS volunteers of the State join their counterparts in the rest of the nation in celebrating World Environment Day on the 5<sup>th</sup> of June year in and year out, with great enthusiasm. Seminars, essay writings, debates, quizzes, painting competitions, cleaning and beautifying drives, tree plantation, etc. are some of the day's highlights.
- The 5<sup>th</sup> of June, 2009 was being observed by all the NSS Units at the High School, College and University Level. The day was marked by programmes such as Cleaning drive, tree plantation, environmental awareness programmes, activities besides other events.

**In the NEHU Campus, the NSS Cell initiated a campus beautification cum Plantation Programme to mark the day.**



Pro-VC Releasing fingerlings in the Water Body at NEHU Campus



School Students in action during the Day



Students in action during the programme



MLA James Sangma & PC seen with Programme Officers



**The NSS Cell also organized a Seminar on environment conservation in North East India in collaboration with the NEICSSR on the 5<sup>th</sup> of June at Raitong Building, Shillong**



Prof. R.C. Laloo, Minister of Environment & Forest speaking at the seminar on Environment Conservation in N.E. India organized by NSS & NEICSSR

- 25 volunteers of **NSS Unit of Shillong College** conducted a **Cleaning Drive** within the college premises on the 2<sup>nd</sup> October, 2008.
- 180 NSS volunteers of **Sngap Syiem College, Mawkyrwat** organized a **Cleaning Drive** in the college campus on the 14<sup>th</sup> October, 2008.
- The **Seng Khasi College NSS Unit** organized a cleaning drive on the 4<sup>th</sup> October, 2008 in the college campus.
- 1200 approx saplings planted on occasion of World Environment Day by NSS Cell, **NEHU** and various units on 4<sup>th</sup> June 2010.
- The NSS unit of **Sngap Syiem College, Mawkyrwat** organized an Awareness programme on “Climate Change & Water Pollution at Local Level” on 5<sup>th</sup> June 2010 at the college campus and an Essay competition on ‘Rain Harvesting in Upland Areas of Mawkyrwat’ was also organized on this day. 60 volunteers, college students and local youths participated in this programme.
- The NSS Unit of Sankardev College organized a one day Health Camp and Tree Plantation on 5<sup>th</sup> June 2010 at Lumkyntung L.P School in collaboration with Swer P.H.C. 13 volunteers along with 2 Programme Officers and 58 students of this school participated in this programme.
- The NSS unit of Tura Government College in collaboration with the department of Forest & Environment, Social Forestry Division, ADRA, IPTEC, Nokma council and the Asanagre Secondary School organized a mass tree plantation programme in observance of Van Mahotsav on 29<sup>th</sup> July 2010 at Asanang Village. About 4000 saplings were planted.
- The NSS Unit of Kiang Nangbah College in observance of World Environment Day on 5<sup>th</sup> June 2010, organized a Tree plantation at the college campus. About 50 saplings were planted and more than 100 volunteers participated in this programme.

#### **Disaster Management Programmes**

**Disaster Management has been one of the key thrust areas of NSS with every effort being taken to equip our NSS volunteers with necessary skills and preparedness during any emergency. Awareness programmes are also undertaken at the adopted villages on a regular basis for the benefit of the community. Below are some of the programme highlights undertaken during the course of the year.**



- The NSS Unit of *St. Edmunds College, Shillong* organized a **Mock Drill on Disaster Management** on the 25<sup>th</sup> of August in collaboration with the Civil Defense Personnel.



NSS volunteers at Disaster Management Training



Mock Drill

- 183 NSS Volunteers from various Colleges of Shillong attended a specialized Training on **Disaster Risk Management-First Aid, Search and Rescue** from the 17<sup>th</sup> of November, 2008 till the 22<sup>nd</sup> of November, 2008. This training was organized by the Office of The Deputy Commissioner, East Khasi Hills and UNDP.
- A Training Programme on **Disaster Management, First Aid, Search and Rescue** was conducted at Synod College from the 25<sup>th</sup> of November, 2008 till the 27<sup>th</sup> of November, 2008 in which 50 NSS Volunteers participated.
- 25 NSS Volunteers from Tirod Sing Memorial College attended a Training Programme on **Disaster Management** from the 8<sup>th</sup> of December, 2008 till the 13<sup>th</sup> of December, 2008. This training was organized by the Office of the SDO (Civil), Mairang.
- 104 NSS volunteers from 7 Colleges of Shillong attended a Training on Disaster Management from 19<sup>th</sup>- 23<sup>rd</sup> October 2009 at Don Bosco Youth Centre, Shillong. The training was organized by the office of the Deputy Commissioner, East Khasi Hills, Shillong.
- 30 NSS volunteers from 3 Colleges of Shillong attended a training on Disaster Management from 18<sup>th</sup>- 22<sup>nd</sup> January 2010 at Meghalaya Administrative Training Institute behind Addl. Secretariat Shillong. The training was organized by Meghalaya Administrative Training Institute.
- On 6<sup>th</sup> July 2010 the NSS Unit of BSF Higher Secondary School took part in the display board competition on the topic “**Man made disaster**”, A **Mock drill** was also organized at the school campus.
- Disaster Risk Reduction Programme for NSS Programme Officers at Meghalaya Administrative Training Institute from 8<sup>th</sup>- 10<sup>th</sup> February 2011.

#### Adventure Programmes

The NSS has also been providing opportunities for students to participate in various fields of activities including Adventure Programmes within and outside the state.

- 19 NSS volunteers from Sankardev College, Shillong and Sngap Syiem College, Mawkyrwat along with their respective Programme Officers participated at the Adventure Programme held at Manali, Himachal Pradesh, from 31<sup>st</sup> May to 9<sup>th</sup> June, 2009.



- 20 NSS volunteers along with 2 Programme Officer from P. G. Unit, NEHU, Shillong participated in the Winter Adventure Programme at Ooty, Tamil Nadu, from 2<sup>nd</sup>- 9<sup>th</sup> March, 2010.



Adventure Programme at Manali, H.P.



Caving expedition in Meghalaya

- 20 NSS volunteers of St. Edmund's College, Shillong, Tura Government College and Durama College, Tura along with 2 Programme Officers participated at the Adventure Programme held at Patnitop (Jammu & Kashmir) from 2<sup>nd</sup>- 11<sup>th</sup> July 2010.

#### Poster Painting Competition

Each year the NSS Cell conducts poster painting competition under various themes and banners to mark and commemorate the celebration of various auspicious days such as World Environment Day, World AIDS Day, etc. Students from various colleges actively and enthusiastically participate in the competitions.



Poster painting competition on the UN Millennium Development Goals

#### Observance of Anti-Terrorism Day

World Anti-Terrorism Day was also observed on the 21<sup>st</sup> of May by the NSS unit of Shillong Commerce College at the college campus. 200 volunteers participated in the Poster Campaign against Terrorism.





### **International Day against Drug Abuse (26<sup>th</sup> of June)**

- The NSS Unit (RCC) of Union Christian College, Umiam in collaboration with Meghalaya Aids Control Society conducted an essay competition on the topic “The role of Youth in combating Drug Abuse” and an interstate level event on drawing/poster writing/slogan writing competition based on the theme : **‘Think Health Not Drugs’**.
- Another programme was organized by the NSS unit of Acheng Rangmanpa College, which included an Anti Drug march, lecture on ‘Drug Abuse and Illicit Trafficking’ and an ‘One Act play’” at the college campus.
- The NSS unit of Sngap Syiem College, Mawkyrwat conducted poster, essay and slogan competition on various drug related issues. A skit on “Impact of Drugs on Society” was also presented by NSS volunteers besides other lectures on drugs.
- Several NSS units of Shillong participated jointly at the programme organized by the NSS unit of St. Edmund’s College where programme Coordinator was one of the guest speakers.

### **International Youth Day, 12<sup>th</sup> August.**

- The NSS unit of Tura Government College in collaboration with MACS organized a debate competition on the topic “Moral degradation of our society due to Westernisation” at the college campus.
- The NSS unit of Ri-Bhoi college also organized various programmes which included an Essay writing, Poster competition and Debate competition at the college campus.
- The NSS unit of St. Mary’s College also organized a programme at Don Bosco Youth Centre on the theme “Dialogue & Understanding”.

### **Observance of Sadbhavana Diwas, 20<sup>th</sup> August**

NSS units observed the day by taking pledge at their respective campuses.

### **Observance of NSS Day, 24<sup>th</sup> September.**

- This day was being observed by all the NSS Units at the High School, College and University Level. The day was marked by programmes such as Cleaning drive, tree plantation, medical camps, awareness programmes, cultural programmes, activities, sports besides other events.
- **The 40th NSS Foundation Day** was celebrated on 24<sup>th</sup> September 2009. The Hon’ble Chief Minister of Meghalaya, Dr. D.D. Lapang graced the occasion as the Chief Guest and Hon’ble Minister of Education was the Guest of honor in the presence of the Vice-Chancellor.
- The University Level NSS Award was also presented on the occasion. This was followed by a variety programme from about 30 groups of volunteers from different colleges. The variety programme comprises of songs, dances, skits and multi-varied cultural items. Around 500 NSS volunteers attended the day long programme held at Multi-Use Convention Centre, NEHU.
- **The 41<sup>st</sup> NSS Foundation Day** was celebrated on 24<sup>th</sup> September 2010. The Hon’ble Union Minister of State for water Resources, Shri. Vincent H. Pala graced the occasion and the Pro- Vice Chancellor was the Guest of honor in the presence of the Registrar and the Controller of Examination, NEHU.
- The University Level NSS Award was presented on the occasion. This was followed by a round of competition in which NSS Units voiced their concerns and suggested





remedial measures on various social issues in the form of presentations and narrations. The NSS unit of BSW Dept, St. Edmund's College was adjudged winners for their presentation on the slum dwellers in Gora Line, Shillong. The day ended with a variety programme which comprised dances, songs, skits and multi-varied cultural items. Around 600 NSS volunteers attended a day long programme held at the Multi-Use Convention Centre, NEHU.

#### **Observance of International Day of Non Violence and Peace, 1st October**

NSS units observed the day by taking pledge at their respective campuses.

#### **Training/Workshops/Orientation**

- A Training of the Programme Officers on **Social Harmony and National Integration** was held at the NEHU Guest House from the 17<sup>th</sup> of February, 2009 till the 20<sup>th</sup> of February, 2009. Fifteen Programme Officers attended the Training Programme.



Programme Coordinator addressing at the programme



Participants displaying pictures on key issues

- An NSS Orientation Programme for Principals, Programme Officers and NSS volunteers was held on the 29<sup>th</sup> of May 2008 at NEHU Campus.
- Prof. B. S. Mipun, NSS Programme Officer, PG Unit, NEHU, Shillong, attended a three day **Training on Career Counselling** for youth Functionaries at RGNVD, Tamil Nadu from the 7<sup>th</sup> of July, 2008 till the 9<sup>th</sup> of July, 2008.
- **Four** (4) Programme Officers from 4 colleges in Meghalaya attended a **TOT on National Integration on Social Harmony** from the 18<sup>th</sup> of September, 2008 till the 22<sup>nd</sup> of September, 2008 at RGNVD, Tamil Nadu.
- NSS Unit of Sngap Syiem College, Mawkyrwat organized a Seminar on the theme of **Career guidance, Moral Values and Civic Sense** on the 1<sup>st</sup> of October, 2008 at the college campus. 107 Volunteers attended the Programme.
- 15 Programme Officers from different NSS Units of Shillong attended a meeting held in connection with the **Inter State Youth Exchange and Home Stay Programme** on the 13<sup>th</sup> of October, 2008 at NSS Cell, NEHU Campus.
- Two (2) Programme Officers of Shillong College attended an NSS **Orientation Course** at TORC, Narendrapur in January, 2009.
- Mr. I. Rafique, an NSS Programme Officer of Christian Girls Higher Secondary School attended a Refresher Course from the 2<sup>nd</sup> of February, 2009 till the 6<sup>th</sup> of February, 2009 at TORC, Narendrapur.



- Programme Coordinator, Dr. Jemino Mawthoh, attended a training **Programme on Community Radio** at RGNIYD, Tamil Nadu on the 5<sup>th</sup> of March, 2009 till the 6<sup>th</sup> of March, 2009.
- Ms. V. Momin NSS Programme Officer of Tura Government College attended a training programme on Environment Education and Sustainable Development at RGNIYD, Tamil Nadu from 4<sup>th</sup>- 8<sup>th</sup> May 2009.
- Programme Coordinator conducted 2 (two) orientation cum-motivation programme for NSS students at Thomas Jones Synod College, Jowai and Sankardev College, Shillong on 30<sup>th</sup> July and 7<sup>th</sup> August 2009.
- Ms. V. Momin NSS Programme Officer of Tura Government College attended a NSS Refresher Course at TORC Narendrapur from 26<sup>th</sup>- 30<sup>th</sup> October 2009.
- 5 Programme Officers along with two NSVs attended TOT on Social Harmony & National Unity organized by the RGNIYD from 12<sup>th</sup>- 16<sup>th</sup> November 2009, at NEHU Guest House, Shillong.
- 5 Programme Officers from different colleges attended the Orientation Course at TORC Narendrapur from 10<sup>th</sup>- 9<sup>th</sup> December 2009.
- NSS State Advisory Committee Meeting held at Additional Secretariat on 1<sup>st</sup> December 2009.
- 22 NSS volunteers of Umshyrpi College participated in the NCERT Workshop on “Universal School Education held at P.G.T. College, Shillong on 5<sup>th</sup> June 2009.
- 5 NSS volunteers of Umshyrpi College attended another workshop on “Developing Personal & Interpersonal Skills” at Umsawkhwan Village, Ri- Bhoi District from 26<sup>th</sup>- 28<sup>th</sup> September 2009.
- 7 NSS volunteers of BBS College attended a Training of Trainers on Youth in Panchayati Raj at Local level from 2<sup>nd</sup>- 4<sup>th</sup> December 2010 at RRTC, Umran.
- Dr. A. Malhotra NSS Programme Officer of Union Christian College along with two (2) NSS volunteers attended an orientation meeting of Red Ribbon Club (RRC)/NSS Nodal Officers which was organized by Meghalaya Aids Control Society (MACS) Shillong on 19<sup>th</sup> November 2010 at Don Bosco Youth Centre, Shillong.
- Mr. Bhakupar Lyngdoh NSS volunteer of BBS College attended a SAARC Youth Workshop for promoting Regional Harmony at Islamabad on 27<sup>th</sup>- 29<sup>th</sup> September 2010.
- NSS Orientations for new Programme officers from Higher Secondary School & Colleges were conducted in the premises of the NSS Cell from the month of August onwards to date.

### Special Camps

#### “Healthy Youth for Healthy India”

**Special Camps are an integral part of NSS activities and several units conduct the camps every year in their respective adopted villages. The special camps has special appeals to the youths as they provide unique opportunities to students for group living, collective experience and sharing of thoughts and ideas and also their ability to communicate with the community.**

**21 (Twenty one) institutions conducted Special Camps at their respective adopted villages as listed below:**

1. **St. Edmund’s College, Shillong at Mawlynrei village from 6<sup>th</sup>-12<sup>th</sup> Oct, 2008, 25<sup>th</sup>-1<sup>st</sup> Oct, 2009 & 16<sup>th</sup>- 22<sup>nd</sup> October, 2010.**





2. **Sngap Syiem College**, Mawkyrwat, at **Photjaud Village** from 17<sup>th</sup>- 26<sup>th</sup> Nov, 2008, 19<sup>th</sup>- 24<sup>th</sup> Oct 2009 & 11<sup>th</sup>- 17<sup>th</sup> October, 2010.
3. **St. Anthony's College, Shillong** at **Rtiang Village**, from 6<sup>th</sup>-13<sup>th</sup> Oct, 2008, 25<sup>th</sup> Sept- 1<sup>st</sup> Oct, 2009 & 14<sup>th</sup>- 21<sup>st</sup> October, 2010.
4. **Mendipathar College, Mendipathar**, at **Hatibasa Village**, from 12<sup>th</sup>- 21<sup>st</sup> Dec, 2008, 11<sup>th</sup>- 17<sup>th</sup> Dec 2009.
5. **Nongtalang College, Nongtalang**, at **Rako Amjajer Village**, from 28<sup>th</sup> June - 5<sup>th</sup> July, 2008, 6<sup>th</sup>- 12<sup>th</sup> December, 2010.
6. **Durama College, Tura, Garo Hills** at **Rombagri village** from 8<sup>th</sup>- 17<sup>th</sup> Dec, 2008, 7<sup>th</sup>- 13<sup>th</sup> Dec, 2009 at **Rengsangre village** from 6<sup>th</sup>- 12<sup>th</sup> December, 2010.
7. **Don Bosco College, Tura, Garo Hills** at **Chidekgre Village**, from 7<sup>th</sup>- 16<sup>th</sup> Dec, 2008, 6<sup>th</sup>- 12<sup>th</sup> Dec, 2009 & 6<sup>th</sup>- 12<sup>th</sup> December, 2010.
8. **Christian Girls Higher Sec School, Tura** at **Edenbari Village**, from 14<sup>th</sup>- 23<sup>rd</sup> Nov, 2008.
9. **Captain Williamson Memorial College, Garo Hills** at **Sibbari Higher Secondary School**, Baghmara, from 9<sup>th</sup>- 18<sup>th</sup> Dec, 2008 & 5<sup>th</sup>- 11<sup>th</sup> December, 2009,
10. **Tura Government College, Tura, Garo Hills** at **Ganol Apal village** from 5<sup>th</sup>- 14<sup>th</sup> Dec, 2008, 5<sup>th</sup>- 11<sup>th</sup> December, 2009, at **Dragre, Bokmagre and Dopgre village** from 29<sup>th</sup> Nov- 6<sup>th</sup> December, 2010.
11. **Women's College, Shillong** at **Nongpyrdet Village**, from 1<sup>st</sup>- 10<sup>th</sup> of Dec, 2008 & 8<sup>th</sup>- 15<sup>th</sup> December, 2010.
12. **Umshyrpi College, Shillong** at **Kyrdemkulai village**, from 15<sup>th</sup>- 21<sup>st</sup> December, 2009.
13. **Union Christian College, Umiam**, at **Umsawkhwan village**, from 20<sup>th</sup>- 26<sup>th</sup> December, 2009.
14. **Sankardev College, Shillong** at **Lumkyntung village**, from 28<sup>th</sup> September - 3<sup>rd</sup> October, 2009 & 27<sup>th</sup> Nov- 3<sup>rd</sup> December, 2010.
15. **Shillong College, Shillong** at **Mawlyngot village**, from 23<sup>rd</sup>- 28<sup>th</sup> November, 2009, & 5<sup>th</sup>- 11<sup>th</sup> December, 2010 at **Mawjongka village**.
16. **Jaintia Eastern College, Khliehriat** at **Lumputhoi village**, from 9<sup>th</sup>- 15<sup>th</sup> November, 2009, & 6<sup>th</sup>- 12<sup>th</sup> December, 2010 at **Moo Nongtdu village**.
17. **Mawsynram Border Area College, Mawsynram** at **Mawkasain village**, from 26<sup>th</sup>- 31<sup>st</sup> October, 2009.
18. **Lady Keane College, Shillong** at **Pingwait village** from 10<sup>th</sup>- 16<sup>th</sup> December, 2010.
19. **Seng Khasi College, Shillong** at **Mawlai Umthlong village** from 27<sup>th</sup> Nov- 4<sup>th</sup> December, 2010.
20. **Tirot Sing Memorial College, Mairang** at **Mairangbah village** from 3<sup>rd</sup>- 10<sup>th</sup> December, 2010.
21. **Acheng Rangmanpa College, Mahendraganj** at **Tungrurchar** from 6<sup>th</sup>-12<sup>th</sup> December 2010.

#### **Creation of Community Assets**

**NSS volunteers has also been contributing their priceless labour (Shramdhan) in terms of construction of public amenities/ community assets during the course of their respective special camps.**

- A number of activities and construction works have been completed such as the construction of a two-room primary school at **Lawbyrwa**, water reservoir at **Laitkor**, rain water harvesting plant and the construction of 12 *smokeless Chullas* at **Mawtawar** besides other works being undertaken.



- The NSS Unit of St. Anthony's College on its Special Camp at Rtiang Village, Ri-Bhoi District, took the initiative to construct a footpath in the village. The construction work begun on the 7<sup>th</sup> of October, 2008 till the 11<sup>th</sup> of October, 2008 (the day the Foundation Stone was laid). The construction work commenced in the presence of Mr. P.S. Shadap, local Headman and the Village Executive Committee Members, in which the proposed path was cleared whereby stones were laid, cemented and fully constructed for the utilization of the Footpath by the villagers. Flowers were also planted on either side of the Footpath for its beautification. The construction work was also inspected by Dr. Jemino Mawthoh, the Programme Coordinator NSS Cell NEHU; Mr. Mark West, Department of Science and Technology, Government of Meghalaya and Shri. K.M. Marbaniang, Divisional Officer, Soil and Water Conservation, Government of Meghalaya.



Before



After

- The NSS Unit of St. Edmund's College on its Special Camp at Mawlynrei Village took the initiative to construct a Bus Shed in the village. The construction work begun on the 8<sup>th</sup> of October, 2008 till the 15<sup>th</sup> of October, 2008 (the day it was inaugurated). The Bus Shed was inaugurated by the Mr. D. Choudhury, Vice-Principal St. Edmund's College in the presence of Rangbah Shnong and the Executive Committee of Mawlynrei village.

#### Asset Creation 2009

- The NSS unit of Shillong College constructed a **Community Tourist Hut** at Mawlyngot at the premises of the tea processing centre.
- A **Water tank** was constructed by the unit of Union Christian College at Umsawkhwan.
- The unit of St. Anthony's College constructed a **Footpath** at Rtiang.
- Another **Footpath** was also constructed by the NSS unit of Sngap Syiem College.

#### Asset Creation 2010

- The NSS unit of Sngap Syiem College constructed the following assets at the adopted village:
  - ❖ Volley Ball Court
  - ❖ Water reservoir
  - ❖ Public Toilet
  - ❖ Extension of Footpath
- A Composting Unit was constructed by the NSS unit of St. Edmund's College.
- The NSS unit of St. Anthony's College constructed a Public Toilet.



- The NSS unit of Seng Khasi College constructed a Proper Drainage System leading to the main Water Reservoir.
- The NSS unit of Shillong College constructed a Water pond.

#### **OTHER ACTIVITIES**

- The NSS unit of Sngap Syiem College, Mawkyrwat organized an Awareness programme on “Prime Minister Employment Generation” (PMEGP) on 13<sup>th</sup> October 2010 at the college campus in collaboration with the District Commerce & Industries Centre (DCIC), Nongstoin. Around 100 local educated unemployed youths attended the programme.
- Another Awareness programme was organized by the NSS unit of Sngap Syiem College in collaboration with SCSTE, Shillong. The theme of the programme is “Preservation of Natural Resources” on 8<sup>th</sup> November 2010 at the college campus.
- The NSS Unit of Union Christian College in collaboration with the State Council of Science Technology and Environment (SCSTE), Shillong and Impulse NGO organized a 3 day programme on “Technology Training Camp” at the college campus from 9<sup>th</sup> - 11<sup>th</sup> June 2010. Around 25 volunteers attended this programme.
- The NSS Unit of Northeast Adventist College on the occasion of Communal Harmony Campaign and Flag Day organized an Awareness cum Lecture Programme on “ Communal Harmony and National Integration” on 25<sup>th</sup> November 2010 at the college Auditorium. Around 160 NSS volunteers and students participated in this programme.
- The NSS unit of BSF Higher Secondary School in observance of Anti- corruption week organized an essay writing on the topic “ How to Prevent Corruption” on 30<sup>th</sup> September 2010 at the school campus.
- The NSS Unit of Tura Government College in observance of” International Day for Preservation of Ozone Layer” organized a “Mass Tree Plantation on 16<sup>th</sup> September 2010 at Dadenggiri Govt. Higher Secondary School.

#### **University Level NSS Award**

**The NSS Cell NEHU has instituted the University level award for Programme officers in recognition in recognition for their exemplary services.**

- Prof. U R Dutta, Deputy Programme Co-ordinator, NSS NEHU, Tura Campus and NSS Programme Officer Tura Government College and Mrs. D Kharkongor NSS Programme Officer Seng Khasi College received the 1st Awards on the 19<sup>th</sup> of July, 2007 from the Vice Chancellor.



Recipient of University NSS Award Dr. H. Ingrai of Shillong College.



- Dr. H. Iangrai, NSS Programme Officer of Shillong College was conferred with the University Level NSS Award on the 19<sup>th</sup> of July, 2008.
- The 3rd University Level NSS Awards were presented on 24<sup>th</sup> September 2009 on the occasion of the 40<sup>th</sup> NSS Foundation Day. The Best NSS unit was awarded to St. Anthony 's College and Prof. S. F. Kynta was awarded the best NSS Programme Officer from St. Anthony's College. The best NSS Volunteer awards were given to Davida Paswett from St. Anthony's College and Bhakupar Lyngdoh from BBS College on 24<sup>th</sup> September 2009.



Hon'ble Chief Minister, Dr. D. D. Lapang, Education Minister, Smti. Ampareen Lyngdoh, Vive Chancellor, Pro – Vice Chancellor and Programme Coordinator, NSS



- The 41st University Level NSS Awards were presented on 24<sup>th</sup> September 2010 on the occasion of the 41st NSS Foundation Day. The Best NSS unit was awarded to Sngap Syiem College, Mawkyrwat and Mr. K. Nongsiej along with MS. I. Nongbri of Sankardev College were awarded the best NSS Programme Officers. The best NSS Volunteer awards were given to Ialamlang Jyrwa of St. Edmund's College and Wantreki Lyngdoh of Shillong College.



**INDIRA GANDHI NSS AWARD**

Ms. Palvy Dora Kharkongor, NSS volunteer of Shillong College was conferred with the National Level Award on 24<sup>th</sup> September 2010 at New Delhi.



Programme Coordinator with ISCA volunteers



## CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

#### 6.1.1 *State the vision and mission of the university.*

The Vision and Mission of the university is to serve under its objectives of advancing knowledge and disseminating of the same through instructional and research facilities in such branches of teaching-learning as it may deem fit from time to time keeping in view the specificities and needs of the region which is predominantly comprised by socially and economically deprived sections of society so as to enhance not only the economic but the social status as well and to ensure welfare of the people of the hill areas of India's North-Eastern region in general, and their intellectual, academic and cultural advancement in particular. Keeping in perspectives the needs, aspirations, and culture of the people, the university is continuously striving hard to serve these sections of society and has created unique tradition by suitably orienting its academic, curricular as well as co-curricular and extra-curricular programmes.

#### 6.1.2 *Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seek to serve, the institution's tradition and value orientations, its vision for future, etc.?*

The university is situated in a region, which is predominantly inhabited by people who belongs to socially and economically deprived sections of society to which the institution is committed to serve as per the objectives of the university which is

- (a) To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
- (b) To pay special attention as to improve the social and economic conditions as also the welfare of people of hill areas of the North-Eastern region, and in particular, their intellectual, academic and cultural advancement.

The university strives to serve these sections of society and has created unique traditions keeping in view the needs, aspirations, and culture of the people by suitably orienting its academic curricular as well as co-curricular and extra-curricular activities.

#### 6.1.3 *How is the leadership involved*

- \* *In ensuring the organization's management system development, implementation and continuous improvement?*

The university strictly functions under the provisions of relevant Acts/Statutes/Ordinances. The entire hierarchy is well designed through relevant provisions. The university top leadership follows them strictly in order to develop organisation's





management system and its implementation in letter and spirit and subsequently its continuous improvement. Minutes of Executive Council, Academic Council and Finance Committee are sent to the Department of Higher Education (DHE), MHRD, New Delhi.

\* *In interacting with its stakeholders?*

(a) *Teachers:*

- i. *Formal:* Addressing Regular Statutory Meetings like Academic Council, Executive Council, Finance Committee, University Courts, Board of Research Studies, etc.
- ii. *Informal:* Teachers' Association and its allied units organises various annual events such as North-Eastern Hill University Teachers' Association (NEHUTA) Lunch; Family Food Fest; Festivity Celebration like Holi, Idu'l-Fitr, and Advance Christmas; Friendly Cricket Match between teaching and non-teaching members and Other Sports like Table Tennis, Badminton, Chess competition, Arm wrestling, Karate, etc; Children's Cultural as well as Musical programmes and their Prize distribution ceremonies where university administration interact with teachers and their family members informally.

(b) *Students:* Regular system is in place to have dialogue with students, one of the vital stakeholders through office of the DSW and direct meeting with other authorities of university.

(c) *Public:*

- i. *Direct* - Open house sessions and public visits are organised on University foundation day.
- ii. *Indirect* - Writings in print and electronic media on matters of public announcement as well as issues of general public concern.

\* *In reinforcing a culture of excellence?*

(1) In case of teaching faculty, Culture of excellence is reinforced through API system and its due consideration first, at IQAC level and second, during interviews for promotional purposes.

(2) In case of non-teaching and administrative staff, it is reinforced through –

- i. Annual CRs,
- ii. Recognition by instituting best employee of the year award, and
- iii. Timely promotion

\* *In identifying organizational needs and striving to fulfil them?*

Institutional leadership as well as its administration pay attention positively to various demands of departments and discussions of various meetings, and memorandums submitted by different bodies. Even top leadership interacts with representatives of different components of institution to understand the organisational needs and grant appropriate funds as well as extend other support infrastructure besides motivating individuals to fulfil them.





6.1.4 *Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.*

Yes. We had acting VC since June 13, 2013 to September 23, 2015 as there was inordinate delay in completing the recruitment process on the part of MHRD, GoI, New Delhi.

6.1.5 *Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?*

Yes. All the positions of various statutory bodies are filled from time to time following seniority as well as rotation basis and their meetings, in general, are conducted as per their respective schedule.

6.1.6 *Does the university promote a culture of participative management? If yes, indicate the levels of participative management.*

It ensures the representation of faculty and students, college representatives, government and NGOs nominees in all the statutory bodies of the university. Healthy and fruitful discussions in democratic manner are made in cordial atmosphere at the meetings. Every member is given a fair chance to express her/his free and frank opinion.

6.1.7 *Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous*

The university functions under the provisions of Acts/Statutes/ordinances through which it provides affiliated colleges academic leadership ensuring standards to be maintained while granting affiliation, undertaking time to time inspections, granting permission to service new courses/ classes for degree/honours , approving syllabus, conducting examinations, monitoring academic calendar, organising inter-university as well as inter-college games/sports and other competitions and providing variety of other services. Besides, it also provides administrative leadership to affiliated institutions by nominating two experienced faculties on their Board of Management (BOM) following rotation and ensures that BOM meetings take place regularly. The university ensures that UGC recruitment norms are followed by affiliated colleges. However, the university do not interfere neither in their day to day functioning nor administrative, their financial and any other matter.



6.1.8 *Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?*

Yes. Such relevant provisions exist in NEHU Act say for NEIGRIHMS, and Space Research Institute under Atomic Mineral Division, Government of India, Shillong.

6.1.9 *How does the university groom leadership at various levels? Give details.*

The university under the policy of rotation and seniority gives opportunity to all eligible to prove their leadership at their respective level say deanship, headship, etc.

6.1.10 *Has the university evolved a knowledge management strategy? If yes, give details.*

Yes. The university has knowledge management strategy in place. It maintains digital archives where publication and research work of all faculty members has been uploaded for wider access by all interested.

6.1.11 *How are the following values reflected the functioning of the university?*

- \* *Contributing to national development:* The university ensures national development by way of achieving the very objective of its formation as enshrined in the NEHU Act.
- \* *Fostering global competencies among students:* The university has earned its name not only in North-Eastern Region but all over India too. Every year it is receiving large number of applications from the students of Arunachal, Nagaland, Manipur, Mizoram, Assam and Sikkim. Besides, it is also receiving applications from students of main land say Delhi, Jammu, Pondicherry, Kerala, West Bengal and Bihar. The university fosters global competencies fairly among students and as a result, in recent past its enrolment of foreign students from African and Arab countries has increased. Besides, many of its own students have gone to foreign countries for their further studies.
- \* *Inculcating a sound value system among students:* Number of lectures, sports and cultural events are organised to develop and encourage values like mutual cooperation and unity in diversity.
- \* *Promoting use of technology:* The university promotes the use of technology. Almost all the Teaching Departments have their own Computer Laboratories in addition to what the Central Library and Computer Centre have in their fold to offer to students. Besides, the university has spent a large sum of money to upgrade class rooms and teaching methods. Teachers and students are encouraged to make



use of technology. The examination results are being processed using advances in information technology.

- \* *Quest for excellence*: This is reflected in the quality teaching and research work contributions by the faculty members of NEHU.

## 6.2 Strategy Development and Deployment

6.2.1 *Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?*

Yes, the university has a planning board under the statute provided for and that meets on perspective planning after considering the following and put-up the recommendations to the Academic council, Executive council before final implementations.

* <i>Vision and mission</i>	Yes
* <i>Teaching and learning</i>	Yes
* <i>Research and Development</i>	Yes
* <i>Community Engagement</i>	Yes
* <i>Human Resource Planning and Development</i>	Yes
* <i>Industry Interaction</i>	Yes
* <i>Internationalisation</i>	Yes

6.2.2 *Describe the university's internal organizational structure and decision making processes and their effectiveness.*

It is been enshrined in Acts/Statutes/Ordinances of the University.

6.2.3 *Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?*

Yes, the university has a formal policy to ensure quality. It continuously upgrades the skills of administrative staff through in- service programmes. The academic and administrative training institute established by the university for the purpose takes care of this job. Regular meetings with the senior staff are held to acquaint them with the policies and programmes of the university and to get their feedback in planning and implementation of the same. Besides, IQAC is also functional which takes care of quality aspects of teaching faculty.

6.2.4 *Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?*

The academic units within the provisions of Acts/Statutes/Ordinances are provided with adequate academic and financial autonomy to decide upon the courses, programmes, where decision making through democratic consultation is arrived at Departmental



faculty meetings and the viable programmes are implemented after obtaining necessary approval of various higher bodies like :- BOS, Board of Professional Studies (BPS), School Board and AC.

6.2.5 *During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?*

Yes, there have been some instances of court cases against the University regarding critical issues, interpretation of ACTs/Statutes/Ordinances/Rules/Regulations of NEHU.

6.2.6 *How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?*

There are some standing committees to resolve grievances / complaints. Looking into the different nature of complaint, the administration constitute objective oriented ad-hoc committees and decisions resolving grievances are arrived in time-bound manner.

Yes. There is a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship. Various stakeholders are invited to visit the university in an open-house programme on university foundation day where they can raise any quarry and may seek any kind of information they deem fit and university administration is obliged to answer them. Besides, there exist Public Relation Cell headed by Public Relation Officer (PRO) who respond to all such quarries of stakeholders. In addition, the university entertains quarries under Right to Information Act (RTI).

6.2.7 *Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?*

Yes. Students' feedback on teaching faculty is obtained and analysed with due confidentiality. Students are also given representation in University's highest bodies like the University Court, Academic Council, etc. Students can opine on University's functioning in these bodies' meetings and their concerns are noted properly. Besides, there is a full-fledged system called DSW, which is in place, that takes care of routine concerns of students..

6.2.8 *Does the university conduct performance audit of the various departments?*

Yes, the university has the Board of Studies for all the Departments / Centres that have a set goal of academic auditing specially performance audit. These Boards meet at least twice in a year and report to the respective School Board as well as AC and Executive Council (EC) of the university, as the case may be.



*6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?*

The university has the College Development Council under an ordinance on management of affiliated colleges/institutions and also has a Principals' Council through which the developmental plans are drawn and executed through the College Development Council.

*6.2.10 Does the university have a vibrant College Development Council (CDC)/Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.*

Yes, the University has a vibrant CDC under a Director and supporting staffs. A special Act has been passed in Parliament whereby Minority Educational Institutions from any part of the country may seek affiliation to any six identified Universities. NEHU is one of them.

The CDC links the University with the colleges under its jurisdiction. The colleges have to apply for affiliation to the University. When a college desires to start a new course, it has to apply for a temporary affiliation to the same. There are a number of criteria to meet for obtaining affiliation; the most important among them relate to adequacy of infrastructure (land, building, class rooms), financial strength, number of teachers with prescribed qualification, library facilities and number of books/volumes in the subject of concern and so on. On application for affiliation, the CDC sends a team to visit the college, whose recommendations are put up before the Affiliation Committee of the University.

New colleges are often temporarily affiliated for a specified number of years. So are the courses taught in these colleges. On satisfying certain criteria under the University Ordinance/regulations/rules, colleges are given permanent affiliation.

CDC has encouraged the colleges under NEHU to appoint teachers with requisite qualifications as per norms set through regulations. More stress has been given in improving the library holdings. Eligible colleges are advised to introduce Vocational subjects.

More teachers are advised to submit Minor Research Projects to the UGC. and a good number of cases are cleared by the UGC.

### **6.3 Faculty Empowerment Strategies**

*6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?*

The university does conduct Faculty Development Programmes including orientation and refresher courses at UGC-HRDC for teaching and non-teaching staff. Also it



sponsors them for such programmes conducted by other university/institutions in the country.

6.3.2 *What is the outcome of the review of various appraisal methods used by the University? List the important decisions.*

Periodical inspections, teams report are evaluated by affiliation committee and final decision is taken in AC.

6.3.3 *What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.*

The university has welfare schemes like General Provident Fund (GPF), Pension, Gratuity, Ex-gratia, etc for teaching and non-teaching staff. In last four years all those regular / confirmed staff who have been either died (in-service) or superannuated either voluntarily or otherwise have benefitted from aforesaid welfare schemes of the university. Besides, respective employee association also undertakes some welfare measures where part funding is given from the university.

6.3.4 *What are the measures taken by the University for attracting and retaining eminent faculty?*

Furnished quarters to teachers in campus is provided.

6.3.5 *Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.*

No, however, NEHU has an active Women Cell which takes care of gender issues.

6.3.6 *Does the university conduct any gender sensitization programmes for its faculty?*

Yes. The university conduct gender sensitization programmes not only for faculty but also for students and non-teaching staff from time to time.

6.3.7 *What is the impact of the University's Academic Staff College Programmes in enhancing the competences of the university faculty?*

The University's Academic Staff College has earned name and fame at national level as in recent past it was ranked at 3<sup>rd</sup> from top in all India level.



## 6.4 Financial Management and Resource Mobilization

6.4.1 *What is the institutional mechanism available to monitor the effective and efficient use of financial resources?*

Internal audit and strict monitoring and implementation of Rules and procedures.

6.4.2 *Does the university have a mechanism for internal and external audit? Give details.*

Yes, the university has its own internal audit cell for day-to-day monitoring of the financial matters and in addition there is also an external audit regularly undertaken by the Comptroller and Auditor General of India (C&AG) Northeast circle.

6.4.3 *Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?*

Yes, the university accounts are audited regularly and sent to Parliament after the due approval of University Court as well as Executive Council of the university.

6.4.4 *Provide the audited income and expenditure statement of academic and administrative activities of the last four years.*

Copies of the Annual Reports will be provided at the time of NAAC team visit.

6.4.5 *Narrate the efforts taken by the University for Resource Mobilization. Revision of other fee and user charges. Corpus fund and interest on idle fund.*

Yes. Though late but in recent past the university has revised all its fees structure for various courses as well as services.

6.4.6 *Is there any provision for the University to create a corpus fund? If yes, give details*

Yes, provisions are there for creation of Corpus fund under the NEHU Acts/Statutes and Ordinances.

## 6.5 Internal Quality Assurance System

6.5.1 *Does the university conduct an academic audit of its departments? If yes, give details.*

No





6.5.2 *Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?*

Not applicable.

6.5.3 *Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?*

No.

6.5.4 *How has IQAC contributed to institutionalizing quality assurance strategies and processes?*

IQAC process and scrutinizes the applications for promotion of faculty members from feeder stage to next stage.

6.5.5 *How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?*

IQAC in its steering committee meeting held on November 20, 2014, discussed the matter regarding capping of API score for category III and proposed some suggestions, which were discussed in the 93<sup>rd</sup> meeting of the Academic Council on May, 08, 2015.

6.5.6 *Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.*

Yes, External members actively take part in discussions and fruitfully contribute in decision making process.

6.5.7 *Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?*

No

6.5.8 *What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?*

Nil

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include.* No.



## CRITERION VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

#### 7.1.1 *Does the university conduct a Green Audit of its campus?*

North-Eastern Hill University situated in the little outskirts of the city, being in the pine city, it stands unique with its pines all over the campus and other blossoming green trees. A huge amount of efforts have been taken care to sustain the flora of the campus and other species to beautify the campus and make it lively. The strategic plan adapted to is focused towards the sustainability of important resources like energy and water. One core paper on Environmental Awareness is made compulsory in syllabi of the Undergraduate and Postgraduate courses. Apart from theoretical knowledge of the environment, there are Departments who made project work compulsory for the students by individually planting plants/flowers and this practice make the University eco-friendly. Cleaning drive every year on World Environment Day has become a tradition in most of the Departments within the campus and the University has extended its support by suspension of classes so that all can come together and take part in a cleaning drive, followed by tree plantation and other programmes like poster campaign, slogans and drawing/painting competitions to motivate the students and make them aware of the need to have more green and more life in the campus. Few Departments such as the Department of Adult and Continuing Education conducted extension programme on “Environment and Rural Livelihood”, “resource Management on Conservation and Protection of forests”. There was also adventure trekking in the name of “Green Trek 2010” by students of the University.

#### 7.1.2 *What are the initiatives taken by the university to make the campus eco-friendly?*

\* *Energy conservation*

The University has taken an initiative to find out the energy consumption in the entire campus with the objective of minimizing energy consumption. The Departments within the University is identifying the energy consumption in various locations of the Departments, this is done by making the students, the teachers and staffs aware of conservation of power. Each individual is instructed to switch off the electrical appliances and instruments of the university after use and whenever not in use in order to conserve power. There are Departments who put and display notices in all laboratories, and classrooms. Reduction in energy usage by replacing the tube lights with Compact Fluorescent Light (CFL)/Light Emitting Diode (LED) bulbs. These efforts have helped in the substantial reduction of electricity bills.

\* *Use of renewable energy*

To tap alternate energy resources, the University has installed solar street lamps in the campus. These measures have helped in minimizing the electricity consump-



tion.

\* *Water harvesting*

There are two ponds with sufficient water in the campus. These ponds not only beautify the campus but also preserve the water and prevent soil erosion. These efforts have helped us tremendously to overcome the water shortage during winter.

\* *Check dam construction*

Yes, it's been in practice in Tura Campus.

\* *Efforts for Carbon neutrality*

The waste paper generated in the University is re-used for drafting of documents, research, etc. Lectures and poster competitions are organized along with NGOs to create awareness regarding major causes of air pollution, importance of reducing vehicle emissions, etc. amongst the students, staffs and faculty. The University has arranged Buses and recommends students and faculty members to use the University Buses to minimize the air pollution in the campus and to use energy efficient vehicles.

\* *Plantation*

The campus has a large number of trees. Every year a good number of plants/saplings are planted in the campus. Department of Botany maintains a garden of medicinal plants. Tree planting within the campus is an ongoing process. Every year as a part of Environmental day celebrations, the faculty and the students plant many saplings.

\* *Hazardous waste management*

The University through Estate section of NEHU collects and disposed the waste management. There are occasionally sales for old materials to its employees which are slightly damaged. Hazardous wastes are being disposed off in separate tanks created for the purpose. Many Departments are extremely careful regarding the hazardous waste generation and its safe disposal. Use of disposable plastic cups/glasses in the canteen and Departments is strongly discouraged and use of enamel/steel/ glass /paper plates and cups is encouraged.

\* *E-waste management*

The University has a maintenance section that looks for regular maintenance and repair of computers and equipments. We make use of functional spare parts of obsolete equipments as far as possible.

\* *Any other (please specify)*

- The University has a North-East India Centre of Diversities (NEICoD) (Biopark).
- No Smoking Zone.
- Over all, we believe in an eco-sensitive campus with zero waste in the campus.

## 7.2 Innovations



*7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.*

Web based Management: the University has introduced centralized web based management system, to reduce duplication of work and to have remote access.

Online applications for admissions to various Courses: application forms for UG, PG, examination results and Research courses can avail online. E-assignments, synopsis and progress of Students/scholars are given opportunity for submission by many Departments. Sharing of study material through internet and E-learning are encouraged.

Innovative course: The University has introduced many innovative Departments at a Post Graduate level like the School of Technology: career and counselling Cell, Information Technology, Electronics and Communication Engineering, Biomedical engineering, nanotechnology, Energy Engineering and Architecture, etc..

The University has a NDVN facility. It provides Data through internet and telephone access to all academic and administrative Departments. The NKN of 1Gbps link provide internet access and other related applications (Internet, IP, authenticated E-journals from UGC-Infonet, E-Journal Consortium, mail and web etc). Data network is available to all Departments, centres and administrative building with a capacity of 3000 connections.

The University has a Mail Server functioning as an authentic server for Wi-Fi with Lightweight Directory Access Protocol (LDAP) service where all the departments, centres and the administrative and the examination buildings have Wi-Fi connections. All servers and applications which include DNS, DHCP Web Servers, Mail Servers, Proxy Servers, and Gateway Filtering for Viruses and Spams, Network Monitoring software and DHCP, run on Hewlett-Packard (HP) Blade Chassis C7000 with 9 active blade Servers. The other older tower International Business Machines (IBM) Servers are being utilised for voice PBX with Internet Protocol (IP-PBX) management and backup.

ICT enabled class rooms and Laboratories. The Central Library of this university has upgraded to an E-Library to meet the need of the students and teachers learning. It has the facilities of availing the E-journals, e-books and online database.

### **7.3 Best Practices**

*7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.*

Best Practices - Student Centric:

- Mission and Objectives of the University are aligned with national policy on higher education for providing affordable education to all and according to UGC Guidelines.



- Transparent admission process –the University practices transparent admissions process as per merit list and university guidelines and never accept any donation from the students.
- Introduction of need based courses in emerging areas.
- Faculty’s performance monitored through student feedback.
- Counselling for students.
- Remedial coaching for weak students and Intensive coaching for bright students.
- *Sports*: Adventure trekking in the name of “Green Trek 2010” from Campus to Ri Bhoi District, Diving Camp and other field events.
- *NSS*: Students organize various programmes under the guidance of the teachers as programme officers. Such as regular activities like regular blood donation to save lives. Republic Day parade camp, youth exchange programme, national youth festival adventure programme, training workshop on International day against Drug abuse & illicit trafficking, special camping, etc..
- Library facility to other college students and Researchers from other university of the country and abroad.
- SC/ST Cell or the Equal Opportunity Cell to look after the Scheduled Caste and Scheduled Tribes of the University to get equal opportunity in admission to different courses/degrees.

#### Best Practices - Faculty:

- Active IQAC.
- Vibrant Research Culture.
- Training Programme for Teaching and Non-teaching Staff.
- Encourage Teachers to attend and present papers at National and International level Seminars / Workshops/ Conferences.
- Organizing Seminars / Workshops / Symposium on different areas.
- Meet the Author: *for the benefit of teachers, scholars and students.*
- In honour of faculty member on the day of his / her retirement.
- Induction Training Programme for newly recruited faculty members.
- Academic planning and maintenance of academic diaries.

#### Best Practices - Leadership:

- Grooming for academic leadership – A good number of Alumni have become Principals in different Colleges.

#### Best Practices – Administration:

- Participatory and democratic administration with Open Door Policy.
- Public information Cell.
- Internal Audit & Pension Cell.
- Legal cell.
- Women Cell.
- Transparency in administration.



#### Best Practices – Family Culture:

- Welfare and extension activities
- Excellent interpersonal relationship and family culture.
  - (a) Active faculty club
  - (b) Celebrations of national and all religious festivals (like Eid, X-mas, Holi and Diwali)

*Details of any two best practices which have contributed to better academic and administrative functioning of the university.*

#### Best Practice – I

1. Title of the Practice:

*“Eco-Sensitized/ Motivation Campus Development”*

2. Objectives of the Practice:

Higher Education is the driving force of revolution towards sustainable development, increasing capacities of people to transform their visions for society into reality. Higher Education not only provides literary, research, technical, and scientific, administrative skills, it also provides the motivation and social support from its institution with great enthusiasm; and therefore students, teachers and staffs are taking interest for pursuing and applying them. We at NEHU, strongly believe that we need to foster through education the ethics, conduct and lifestyles required for a sustainable future. Education for sustainable development is seen as a process of learning, and learning does not have limitations whether of age or of gender. The motto of our University is “Rise Up and built” and the University has its goal and helps to promote everyone to reach the goal they are targeting. Knowing how to make decisions that consider the long- term future of the economy, ecology, cultural heritage and equity of all communities are the practices that are encouraged. As the present generations have to develop both special concerns and responsibilities in relation to the environment, such as climate change due to global warming and greenhouse gases, implementation of programs for sustainable environment will make our students imitate. This will result in initiating the eco sensitive campus development. Our aim is to achieve a resonance environment in and around the University campus, and to sustain it through this kind of programs with the participation of our students.

The following areas which are in tune with our goal and could set an example for the students could be made as proposals for minor projects.

- (a) To create awareness regarding environmental issues among the staff and students of the University and also among the people residing in and around the campus.
- (b) To sustain the Flora and Fauna in NEHU campus and in the surrounding areas.



- (c) To conduct seminars, lecture series, group discussions, panel discussions, debates, and Creative writing competitions, etc. on environment related issues.
- (d) To plant particularly medicinal plants inside the University campus especially those are at the verge of extinction.
- (e) To make the NEHU campus a zero waste zone.
- (f) To harvest rain water.
- (g) To use alternative energy sources.

3. Context:

The implementation of the proposals for sustainable development of environment in the campus needs to have a serious responsibility as a team from the inputs of various Departments, such as the Department of Environmental Studies, Bio-informatics, Bio-chemistry, Botany, Geography, and even Departments within the school of humanities. It will not take much time to implement and reach the goal. We need the whole hearted support from the administrative management, the teachers and post graduate students of every Department and if the Environmental Studies Department shows keen interest in implementing this project, collaboration with other academic Departments could work out. An essential element needed was the percolation of the ideas in the student community and faculty involved. Under the leadership of the Head of Khasi Department, A Meghalaya Poetry competition was held on 29th November 2014 on the theme “Preserve Environment” for school, college, University students and others. The awareness of the students on conservation and sustainable environment is shown through their poems that it is worth mentioning here because poetry can also work as a tool to sensitise us all.

4. The Practice:

For sensitizing the students, essay & debate competitions, Poster competitions, Photography exhibitions, lectures, etc. have been organized. Lectures were delivered to convey the importance of “Reduce, Recycle and Reuse”. For harnessing the alternative energy, Energy saving devices, especially regular bulbs, was replaced by CFL bulbs in different phases. Slogans are displayed in classrooms and notice boards to remind the students to switch off the fans and lights. In all the classrooms and the main building, the construction of all the rooms is well plan with big glass windows to make the rooms brighter with sufficient ventilators that require no air conditioners.

The use of generator is regulated meticulously everywhere in the campus to avoid any energy loss.

Ponds were made at the front side of the campus for the rain water to gather besides the offshoot of the water from the ground for increasing the ground water level.

*Most of the solid waste is recycled. The leaves and remnants of plant is converted into vermi- compost and used in the garden.*





5. Evidence of Success:

Environmental Consciousness has been created amongst faculty and students. This is evident with various such examples that have been set by the university through our practices like Tree plantation drive is taken as extension activity by NSS and most of the departments. As a result, the University campus and nearby area looks greener than ever before with a perceived increase in plant diversity. Installation of solar street light helped us to reduce energy consumption. Waste papers have been made folders which are used by research scholars and teachers as draft for noting. Solid waste is converted to compost, which is further used as manure for the plants in the University campus. The twin –bin system introduced in the university has helped the students to identify the bio-degradable and non-biodegradable wastes. Air monitoring of the campus shows reduction in air pollution. Regular water quality assessment of drinking water like placing aqua guard in every Department and around the administrative block ensures the purifying of water. All these efforts have lead to reduction in the carbon foot prints and we have a clean, green, eco-friendly and pollution free environment.

6. Problems Encountered and Resources Required:

Different Departments may have different problems. As far as the Career and counselling Cell is concerned it is shown that the University earmarks funds under different plans years as grant for running the activities of the Cell. However, the grant received under XII<sup>th</sup> plan is almost 1/3<sup>rd</sup> of previous plan period and causing severe difficulty in running the activities of the Cell. There are administrative delays in procuring essential resources such as photocopier machine, desktop, printer/scanner etc. for smooth functioning of the cell.

7. Notes. -

Best Practice – II

1. Title of the Practice:

*Empowering the Faculty and Students for Global Challenges*

2. Objectives of the Practice:

Our higher education is undergoing a change during the past few years with the opening of new Courses and new Departments like IIT, Law, tourism, Mass Media, etc. NEHU is a well known Institution for Higher Education in the North-East India from the past till now; and now many students from the country and abroad are taking admission at NEHU which has got the name of a university with potential for excellence. We at NEHU follow a holistic approach to develop the students to meet global challenges. We realized the need of internalization of higher education and various efforts have been taken to encourage the faculty members and students to realize this goal. Hence, the University has adopted a multi – dimensional approach towards globalization.



### 3. The Context:

NEHU motivates faculty to undertake doctoral, post doctoral research, Major and minor research projects and presenting and publishing paper. Attending/organizing workshops and seminars of global relevance are also encouraged. Encouragement is given to any faculty irrespective of gender. Research scholars and students are availing for scholarships offered by various agencies at state, National and International level. The University has introduced many need based courses and career oriented “add-on” courses as and when required. The Introduction of Mass Media and Tourism Departments has again motivated students to be at par with the global competitors in terms of Filming, direction, journalism and tourism development. The University also ensures holistic development of students by providing them value – based education through activities conducted by Academic Staff College (renamed as Human Resource Development Centre), State Resource Centre, Computer Centre and Career & Counselling Cell and Women Cell. In many occasion, the Financial, Social and Political crisis faced globally is mainly due to deterioration of ethical values. Hence, University has taken the initiative to inculcate the value based education. As Language is a vital tool of communication, so we have taken initiatives to expose and acquaint our students to local / regional, national and international languages. In the School of Humanities many of the courses are involved in texts related to value based education added with teaching from the teachers. As large numbers of students at our University are first generation learners and many come from rural areas of the North-eastern states, we have to make them aware of various national and global developments and opportunities for them. Hence, career and counselling cell provides guidance to students by organizing lectures on career opportunities. Our University believes in quality education, we also have received “Potential for Excellence”. This has proved that many of our faculty have got the honour and recognition at the State, National and international level. Further, giving new dimensions in higher education, NEHU has signed Memorandum of Understanding (MoU) with various Institutions under faculty exchange programme for faculty members and Student Exchange Programme for students and research scholars.

### 4. The Practice:

IQAC has taken a number of initiatives for faculty improvement. Faculty members were encouraged to pursue Ph.D. Training sessions were arranged to familiarize the process of applying to various agencies for Major/minor research projects. Meetings are held to motivate the faculty to take up research work and to publish research papers in reputed journals. TA and DA are provided to faculty members to make presentations for their research proposals if required as per the funding agencies. At the commencement of each academic year Head of Department (HoD) meetings are held and a yearly plan for organizing workshop and seminars is dis-



cussed and accordingly proposals for the same is sent to different funding agencies. UGC sponsored Career Oriented, refresher course, Certificate and Diploma Courses such as in music and painting, M.Phil., Ph.D. in all subjects, etc. Our University is also offering various career oriented courses like Bio-informatics, IT, Biomedical Engineering, etc. To inculcate moral values among students, various activities are planned annually like Workshop on Creative skills, Youth Camp, Guidance lectures on Social Issues, Women Entrepreneurship Development Programs, gender sensitization programmes, etc. To give international exposure to faculty and students, the University has signed MoU with institutions in the country and outside the country. A number of Professors visited various universities outside the country to participate in conferences, cultural exchange programmes, and collaborative research and observe best practices and for exchange of academic ideas followed by these universities and institutions of higher education. To strengthen research most of the science departments have linkages with other institutes.

5. Evidence of Success:

All the efforts taken have shown positive effects in creating a vibrant research culture in the University. A total of approximately 1927 research papers and about 357 books, book chapters/proceedings from 2010-11 to 2013-2014 were published in reputed national or international journals and by reputed publishing house. During 2010-11 to 2013-14, there are approximately about 367 research projects taken by faculty of different Departments and about 202 research projects are reported to have completed. Increase in the number of research projects carried out in the past five years highlights the change in mind set of the faculty. All the departments could improve the infra-structure in terms of instruments and equipments for the need of the students, researchers and teachers and staffs. The clusters classrooms are ready for use to make the students easier to run from one class to the other having the choice of inter-discipline courses under CBCS. The University has organized more than 54 national seminars, 64 national workshops, 18 national conference, 4 extension programme, 24 training programmes and 9 international conference, 5 International Seminar, 4 winter School, 3 Sumer School for college and university teachers, 1 documentation of folk-tunes, 4 Memorial/endowment lectures, 2 entrepreneurship skill development programme, 86 refresher course and 15 short term course in Research methodology, etc. Many invited lectures and the topics selected are always in accordance with the goal - empowerment towards globalization. The international academic experience of few of our senior faculty have motivated the faculty members especially the young ones.

6. Problems Encountered and Resources Required:

Change in mindset of faculty members from traditional class room teaching to ICT enabled teaching. As many of our students belong to semi-urban and rural area, it becomes difficult at times to convince them to pursue further higher studies.



After their PG they will opt to teach in the school or college in their respective village. Moreover, since many students are coming from low income families, they face financial difficulties for pursuing further higher education. The process of empowering the students to meet global challenges becomes a constraint due to the very large number of students.

7. Notes

Initiatives taken by University:

University has been successful to a great extent in securing resources from various funding agencies. UGC has always supported university to achieve the goal set by university. However, the funding agencies specify the categories and parameters for the expenditure which often is not in tune with that needed in the university.

*Any other information regarding Teaching, Learning and Evaluation which the university would like to include.* No.





### 3. Evaluative Report of the Departments

## School of Economics, Management & Information Sciences

### 3.1 Agribusiness Management & Food Technology (Tura Campus)

1. Name of Department : Agribusiness Management & Food Technology (Tura)
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Economics, Management & Information Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MBA (Agri-Business and Food Technology) abbreviated as MBA (ABFT),  
Specializations –  
1. Agribusiness Management, and  
2. Food Technology & Management
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Need based courses in collaboration with industries, institutes, Laboratories, R&D, etc.
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System



9. Participation of the department in the courses offered by other departments. : Refresher Courses, Orientation Programmes, Management Development Programmes offered by other Departments and Government Agencies; Short-term Training courses of different Government / Semi-Government Organisations.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	-
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Sheena Haorongbam	M.Sc. (Panjab University, Chandigarh), PhD (Panjab University, Chandigarh)	Assistant Professor	Biochemistry, Processing, Nutritional & Analytical aspects of Plant Based Foods	3.5	-
Mr. Gino A. Sangma	MBA (NEHU)	Assistant Professor	Marketing Management and Agribusiness Management	3.5	-
Mr. Sasi Kr. R.	Master in Food Technology (G.B.Pant Uni of Agri & Tech)	Assistant Professor	Fruits & Vegetables Processing Technology, Food Biotechnology, Beverage Technology, Fermentation Technology	14 (9 in Food Industry + 5 Teaching and Research)	-

Table 3.1: Faculty Profile of the Department of Agribusiness Management & Food Technology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*





14. Programme-wise Student Teacher Ratio: MBA (ABFT) 5:1  
PhD Nil

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA (Temporary)	-	1
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by major funding agencies:

- i. Management of Small Business
  - ii. Entrepreneurship
  - iii. Supply Chain Management
  - iv. Micro Finance
  - v. Rural Marketing
  - vi. Agri and Food Marketing
  - vii. Tourism Development
  - viii. Food Biotechnology
  - ix. Food Processing Technology
  - x. Food packaging technology
  - xi. Fermentation technology
  - xii. Traditional Knowledge and Food Habits
  - xiii. Certification and quality assurance of foods
  - xiv. Post Harvest and Processing technology and Management of Fruits & vegetables
  - xv. Skill Development
  - xvi. Rural extension services
  - xvii. Food Analysis and Hygiene
  - xviii. Underutilized Forest resources
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: *Nil*

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
-	-	-	-
<i>International</i>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
- (a) All India collaboration: 01
  - (b) International: -



19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / center with Recognition:
- State Recognition: -
  - National Recognition: 1 (University Laboratory)
  - International Recognition: -
21. Special research laboratories sponsored by / created by industry or corporate bodies: *01 (University Food Technology Laboratory)*
22. Publications: (Detailed List of publications to be provided to the visiting team): Please refer to (Section 3.1.1, pp. 262) for details.

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)			
Monographs			
Chapters in Books/Papers in conference proceedings			
Edited Books			
Books with ISBN with details of publishers			
<b>Number listed in International Database</b>			
Citation Index range/average			
SNIP			
SJR			
Impact Factor range / average			
h-index			

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Sheena Haorongbam	i. Member, Academic Council, NEHU, Shillong-22 (Since 2012) ii. Member, School Board, SEMIS, NEHU, Shillong-22 (since 2012) iii. Member, NEHU Court, NEHU, SHillong-22 (since 2012) iv. Chairperson, OS, Agribusiness Management & Food Technology, NEHU, Tura Campus (since 2014) v. Member, BOS, Journalism & Mass Communication, NEHU, Shillong-22 vi. Member, BOS, Dept. of Management, NEHU, Tura Campus



Name of Faculty	Name of Committee
Gino A. Sangma	i. Member, School Board, SEMIS, NEHU, Shillong-22 (since 2012-2015) ii. Member, BOS, Economics, Shillong iii. Member, BOS, Tourism and Hospitality Management, Shillong iv. Member, Campus Advisory Committee, NEHU Tura Campus v. Member, University Disaster Management and Co-ordination Committee, NEHU
Sasikumar R.	i. AFSTI, Member – Association of Food Scientist & Technology of India ii. Member- Madras Agriculture Students Union (MASU) iii. Member – Indian Society for Root Crops iv. Member- Cooch Behar Association for Cultivation of Agricultural Science (COBACAS) v. Member- CPF (Centre for Processed Food) vi. Member- IDF (International Dairy Federation)
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
Gino A. Sangma	i. Proctor, NEHU Tura Campus, ii. Teacher-in-Charge, Sports, NEHU Tura Campus

Table 3.2: Faculty of the Department of Management Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: Refresher Courses, International and National Seminars & Workshops, Training Programmes

1. Number of international Seminar:	Nil
2. Number of National Seminar:	Nil
3. Number of Regional Seminar:	Nil
4. Number of National Symposium:	Nil
5. Number of Refresher Course/Orientation programme/School:	Nil
6. Number of MDP/EDP/ESDP:	Nil
7. Number of Workshop:	Nil
8. Number of International Academic Collaboration Programme:	Nil
9. Programme for Release of International Journal:	Nil

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities/ industry/ institute	100%

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
Faculty					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Hands on Training on Bakery Techniques (Sasikumar R)	AARUTHAL Foundation NGO	58
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous evaluation at project work/dissertation pre-submission besides viva-voce, monitoring plagiarism for corrections, etc.*

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MBA (ABFT) PhD	-	-	-	-	-
2010-11 MBA (ABFT) PhD	-	-	-	-	-
2011-12 MBA (ABFT) PhD	-	-	-	-	-
2012-13 MBA (ABFT) PhD	-	-	-	-	-
2013-14 MBA (ABFT) PhD	14	3	4	100	100

33. Diversity of students:



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MBA (ABFT) PhD	-	-	-	-
2010-11 MBA (ABFT) PhD	-	-	-	-
2011-12 MBA (ABFT) PhD	-	-	-	-
2012-13 MBA (ABFT) PhD	-	-	-	-
2013-14 MBA (ABFT) PhD	1 (Student)	2 (Students)	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC – JRF – NET	-
UGC – Lect – NET	-
Meghalaya Civil Services	-
Meghalaya Finance Services	-
Accountant General	-

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	100
PG/ M.Phil. to Ph.D.	
Ph.D. to Post Doctoral	
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	
<input type="checkbox"/> Others	
Entrepreneurs	

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university		1		
from other universities within the State				
from universities from other States	10	1	1	
from universities outside the country				



37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 2

PhD 01 (Faculty Members in the Department of Agribusiness Management & Food Technology)

DSc / Dlitt Nil

38. Present details of infrastructure facilities with regard to:

Library	Yes. Library in the Chandmari Campus of Tura
Internet facilities for staff and students	Yes. Through Wi-Fi and LAN. 100 % to Teaching Faculties & Staff.
Total number of class rooms	3
Class rooms with ICT facility	3
Students' laboratories	-
Research laboratories	1 (Practical Laboratory)

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10		
2010-11		
2011-12		
2012-13		
2013-14		

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	6

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

- Feedback from Industries, Trading and Technological Institutes/ Organisations by way of discussion through Curriculum Lectures and Meetings.
- Interaction with faculty members of Reputed Institutions like IIMs, Central and State Universities and Institutes.

42. Does the department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc.*

- Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Students feedback about teaching learning evaluation is obtained formally through confi-*



*dential reports and informally through personal interaction with students and sharing at functions like; Departmental Picnic, Fresher Social, Parting Social, Excursion Trips, etc.*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Yes. Alumni and employers on the programmes offer their feedback and the same is utilised while revising the syllabus and organising winter projects and student's placement.*

43. List the distinguished alumni of the department (maximum 10): *Nil*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- SAP Training programme,( Module I, II) by SAP, Kolkata,
  - Role of SEBI and NSEIL in the Indian Capital Market, (Awareness of Investment Habit among students),
  - Special Lecture by SBI Branch Manager, Chandmari Campus Tura,
  - Capacity Building Workshop sponsored by ICSSR, NEW Delhi.
45. List the teaching methods adopted by the faculty for different programmes:
- Project work training in various industries as internship,
  - Local agro-industry visits and training,
  - Visits to training institutes, industries and laboratories for skill development, interaction, etc.,
  - Organising industrial tours for interaction with executives .
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Learning outcomes are monitored through Three Internal Test, Project Assignment and Presentation, Personal Interaction, Continuous Evaluation.*
47. Highlight the participation of students and faculty in extension activities:
- Students of the department are actively participating in various campus placement drive held on and off –campus.
  - Combined participations of faculty and students for Cleanliness Drive on account of Swacch Bharat Abhiyan.
48. Give details of “beyond syllabus scholarly activities” of the department: *Industrial visits, Laboratory and Institutional visits for skill development and training.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Indigenous knowledge in Food, Post Harvest Techniques and Preservation applicable in the area and outside, Management and utilities of Agri related business and industries/institutes in the area and outside, etc.*





## 51. Future plans of the department:

- Introduction of more Specialisations at Masters Level
- Giving MSc. In Food Technology
- Set up need based Laboratories in different arenas of food technology as Microbiology Lab., Food Engineering Lab., Central Instrumentation Lab, Analysis Laboratory., Processing and Preservation Lab., etc.
- Set up Computer Lab. For Department with internet connectivity
- Provide extension services to places in and around the area
- Give skill development training to locals
- To conduct Short-Term Need based Training Programmes for Government Officers;
- To conduct Short-Term Market Based Training Programmes for Managers of Small Agro-Based Industries;
- To Network / Collaborate with National Level Organisation & Bodies such as Insurance Regulatory Development Authority (IRDA), Securities & Exchange Board of India (SEBI), Reserve Bank of India (RBI), National Institute of Securities Management (NISM), Investor Protection Cell of BSE / NSE;
- Creation and Strengthening of Departmental Library with addition of more books and journals;
- Organisation of more National Level Seminars and case study work shops

## 52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- i Multimedia Class Rooms;
- ii Cooperation from Students;
- iii Autonomy;
- iv Ability to attract Students from Other States/Other Countries;
- v Interdisciplinary subject; and
- vi Cooperation among faculty and staff.

**Weaknesses:**

- i Admission Policy;
- ii Decreasing Grant for Library Development;
- iii Location to attract International/ Outstanding National Faculty for Interaction;
- iv Infrastructure Incompatible with academic needs; v) Small Faculty Strength;
- v Occasional Disruption in Scheduled Road due to Bandh; vii) New Department;
- vi Less Funds; and
- vii Laboratory not set up as should be due to lack of funds and infrastructure, etc.

**Opportunities:**

- i Positive Change in the Attitude towards an interdisciplinary subject in Edu-



- cation;
- ii Business Potential of the Region;
- iii Technological based development in agro-based products in the region;
- iv Prevention of Student Migration;
- v Scope for Collaboration with Government Departments and Public Sector Companies;
- vi Competition to Private Universities; and
- vii Scope for collaboration with local industries.

**Challenges:**

- i High Student Teacher Ratio;
- ii Competition from Private Universities;
- iii Fund Sharing by other Competing Central Universities;
- iv R&D equipments and infrastructure minimal due to the Department being new .



### 3.1.1 List of Publications (2009 - 2014)

List of Publications (2009 - 2014):

1. Sasikumar R.

Text Books:

- i). Sasikumar, R., and Sivakumar, P.S, (2012), (1st Ed.) Convenience and Health Foods-India, New India Publishing Agency (NIPA), New Delhi. (National) Text Books
- ii). Sasikumar, R., (2013). Food Processing Technology in Agro based sector. Biotech publication- New Delhi ( National)
- iii). Ramesh C. Ray, Aly F. El Sheikha and Sasi Kumar R (2014) Oriental Fermented Functional Probiotic Foods. Microorganisms and Fermentation of Traditional Foods (Ramesh C. Ray and Didier Montet). CRC Press, Taylor & Francis, New York. (9) 281-309. (International)

Research Books:

- i). Sasikumar, R., (2011), (Ed.) Accelerated Cheese Flavour Development, Lap Lambert Academic Publishing AG & Co.KG, Germany. (International) (ISBN: 978-3-659-26161-9)
- ii). Kowsalya S and Sasikumar R., (2012), (1st Ed.) Commercial Production Methods of Spirulina, Lap Lambert Academic Publishing AG & Co.KG, Germany. (International) (ISBN: 978-3-659-26161-9)

Research Paper:

A. International Journals:

- i). Sasikumar R, Ray RC, Paul PK, Suresh CP, *Development and Storage Studies of Therapeutic Ready to Serve (RTS) Made from Blend of Aloe vera, Aonla and Ginger Juice*, Journal of Food Processing Technology, (ISSN:2157-7110), June, 2013, 4 (5): 232-237.
- ii). Sasikumar R, *Effect of processing on physicochemical and sensory parameters of low calorie therapeutic RTS beverage blend of Aloe Vera and Aonla Fruit using artificial sweeteners*, Asian Journal of Food and Agro-Industry, (ISSN 1906-3040), June 2013, 6(06), 337-346.

B. National Journals:

- iii). Sasikumar R, *Low Cost Process Development of Cheese Spread from Buffalo Milk by Using Exogenous Enzymes and Quality Evaluation*, Journal of Beverage & Food World, (ISSN: 0970-6194), July 2013, 40 (7), pp. 63-74.
- iv). Sasikumar R, *Studies on prospects and constraints of Agro-based food processing Industries in North East India*, Journal Agriculture and Technology, (ISSN: 2348-4721), March 2014, 1(1), pp. 1-15.
- v). Sasikumar R, *Preparation of therapeutic RTS beverage from Aloe Vera gel and Aonla fruit juice evaluation of storage stability*, Asian Journal of Dairy and Food Research, ISSN: 0971-4456, July 2014.



*C. Popular Article:*

- vi). Sasikumar R, *Opportunities and challenges for the food processing industries in North Eastern States of India*, Souvenir of CAU, Agriculture Fair, SSN 0973-8711), April, 2012, pp. 89-90.
- vii). Poor Sasikumar R, *Man's fruit, Jackfruit based value added products in North eastern states of India*, CAU, Farm Magazine, (ISSN: 0976-0393), Dec 2012, II (2), pp. 20-24.
- viii). Sasikumar R, *Wonder of North East India- Tuber crops as consider secondary stable food*, CAU, Farm Magazine, (ISSN 0974-4355), July 2012, II (4): pp. 17-20.

2. Gino A. Sangma

Research Paper:

- i). Micro Finance Institutions in India: An Overview, Ahmed, J.U, Bhagat, D and Singaiah, G (eds.) Micro Finance Revolution in India, Success and Sustainability, New Central Book Agency Pvt. Ltd. Kolkata (2011).
- ii). Rural Tourism: A Pre-Cursor to Development, a case study on Garo Hills, Mishra, B.K (ed.) Livestock Production and Rural Development in India, Bio-Tech books, New Delhi (2011).
- iii). Problem and Prospects of Tourism in Garo Hills of Meghalaya: An Exploration, International Journal of Applied Management Research, Journal of Department of Management, NEHU, Tura Campus, Meghalaya (India), Vol. 2, No.1, January – June, 2014, Pg no. 39-48.

3. Dr. Sheena Haorongbam

Book Chapter:

- i). Haorongbam S, David E, Nirmala C. 2009. *Cyanogenic Glucosides in juvenile edible shoots of some Indian bamboos*, Proceedings of 8th World Bamboo Congress, Pp. 22-30, ISSN No. 2150-1165.
- ii). Nirmala C, Sheena H, David E, *Bamboo shoots: a rich source of dietary fibres*, pp. 15-30 2009 1st edition.; 2011 2nd Edition., Dietary fibres, fruit and vegetable consumption and health., Editors Klein F and Moller G., Nova Science publishers, USA, ISBN: 978-1-60876-025-1.
- iii). Haorongbam S. and Nirmala C. 2014. *Comparative study of the cyanogenic glucosides with ageing in edible shoots of some Indian bamboos*. pp. 17-21, Science, Technology and Environment: Perspectives and Trends, Panjab Academy of Sciences, Punjabi University Patiala.

Published Papers in Journals:

- i). Nirmala C, Bisht MS, Sheena H. 2011. *Nutritional Properties of bamboo shoots: Potential and prospects for utilization as a health food*, Comprehensive Reviews in Food Science and Food Safety, 10 (3): 153-168. (ISSN No. 1541-4337).

Proceedings of Conferences:



- i). Nirmala C, Bisht MS, Sheena H. 2011. *Nutritional Properties of bamboo shoots: Potential and prospects for utilization as a health food*, Comprehensive Reviews in Food Science and Food Safety, 10 (3): 153-168. (ISSN No. 1541-4337).



### 3.2 Department of Commerce

1. Name of Department : COMMERCE
2. Year of establishment : 1996
3. Is the Department part of a School/ Faculty of the university? Yes, part of : Yes, School of Economics, Management & Information Sciences.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M. Com., Ph.D.
5. Interdisciplinary courses and departments involved : N.A.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Need based courses in collaboration with industries.
7. Details of programmes / courses discontinued, if any, with reasons : N.A.
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Post Graduate Diploma in Entrepreneurship (PGDE) offered by Centre for Distance Education; Department of Library & Information Science; Short-term Training courses of different Government / Semi-Government Organisations
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	1
Associate Professor	2	2
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
NM Panda	MCom, LLB, PhD, FDP (IIMA)	Professor	Management Accounting & Entrepreneurship	31 years	1



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
VK Shrotryia	MCom, LLB, PhD,	Professor	Organizational Behaviour, HRM & Strategy	21 years	2
AP Pati	MCom, M Phil, PhD, LLB, AICWA, DBF (ICFAI)	Associate Prof	Finance	18 years	5
KC Kabra	MCom, PhD,	Associate Prof	Accounting & Finance	21 years	
RAJ Syngkon	MA (Eco), MCom, PhD	Assistant Prof	Managerial Economics & Entrepreneurship	12 years	
SG Maji	MCom, PhD, DBM (ICFAI)	Assistant Prof	Accounting & Finance	9 years	
Ms Shimti Kharmawphlang	MCom, DFM (NELEM)	Assistant Prof	Entrepreneurship & Marketing	8 years	

Table 3.3: Faculty Profile of the Department of Commerce.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*.
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: *Nil* .
14. Programme-wise Student Teacher Ratio: *M.Com. – 7:100; Ph.D. – 6:25*.
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA/Steno	0	0
LDC/ TA	1	1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies:
  - (a) Accounting & Finance,
  - (b) Management of Small Business,
  - (c) Entrepreneurship, and
  - (d) Organisational Happiness.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Capital Structure & Sustainability: An Empirical Study of Indian Micro-Financing Institutions	AP Pati	UGC, New Delhi	6.0
<b>International</b>			
-	-	-	-

Table 3.4: Number of faculty with ongoing projects in the Department of Commerce.

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*
  - International: *Nil*.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*.
20. Research facility / center with
- State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	39	16	55
Monographs	-	-	5
Chapters in Books/Papers in conference proceedings	-	-	23
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	3
<b>Number listed in International Database</b>			
Citation Index range/average	Average number of Citations 100 (two faculty members)		
SNIP	-		
SJR	-		
Impact Factor range / average	-		
h-index	3 (Two faculty members)		

Table 3.5: Detailed Publications of the Department of Commerce.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.



25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*.
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. V K Shrotryia	Guest Editor, "Invertis Journal of Management"
Prof. V K Shrotryia	Member, Editorial board, "Review of Management"
Prof. V K Shrotryia	Member, Review Board, The International Journal of Indian Culture & Business Management
Prof. V K Shrotryia	Member, Review Board, The IIS University Journal of Commerce & Management
A P Pati	Kushagra International Management Review
A P Pati	NEHU Journal
A P Pati	Journal of Integrated Research and Development
A P Pati	Orissa Journal of Commerce
<i>Any Other (Please specify)</i>	
Prof. N M Panda	Dean, School of Economics, Management & Information Sciences, NEHU, Shillong
Prof. V K Shrotryia	Member, Board of Studies, William Carey University, Shillong
Prof. V K Shrotryia	Member, Board of Post-Graduate Studies (Commerce), Tripura University

Table 3.6: Faculty of the Department of Commerce Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Orientation Programme, Refresher Courses, Seminars & Workshops.*
28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Dr. A. P. Pati	B-Bay Award by Indian Commerce Association	-	-	ET Now National Education Leadership Award, Best Professor in Financial Management	-
Prof. V. K. Shrotryia	-	-	-	Global Award 'Best Professor in HRM' by World Education Congress	-
<i>Doctoral/ Post Doctoral Fellows</i>					
	-	-	-	-	-
<i>Students</i>					
	-	-	-	-	-

Table 3.7: Awards/recognitions of Faculties of the Department of Commerce.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Global Economic Crisis & Indian Industry held on 26th – 27th March 2010	ICSSR, New Delhi	Muneesh Kr, DU; GC Maheshwari, MSU, Baroda; CC Mitra, Director, IIBM, Ghy; AK Choudhury, IIBM, Ghy; A Ahmed, Director, IIE, Ghy; A Sharma, Ex-VC, Arunachal Univ; J Panda, Behrampur Univ; P Pankaj, IILM; NVR Jyoti Kr, MZU.
Entrepreneurship & Inclusive Growth held on 21st – 22nd March 2013	ICSSR (NERC), NEHU, MCAB, SBI	Madhav Lal, Secretary, MSME; VK Kumar, Director, GIFT; SN Dhar, NBU; Rajib Roy, IIM, Raipur; SK Jain, VC, MVDU.
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigours evaluation at pre-submission besides voice-versa.*
32. Student profile course-wise:



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MCom	143	25	25	33.3	71.5
PhD	25	3	5	67	-
2010-11					
MCom	159	32	20	75.0	93.3
PhD	33	3	2	50	100
2011-12					
MCom	202	28	23	60.0	89.5
PhD	29	1	5	-	-
2012-13					
MCom	272	25	27	75.0	59.1
PhD	34	5	4	80	100
2013-14					
MCom	338	26	27	70.6	87.0
PhD	71	4	5	100	100

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MCom	90		10	
PhD	17		83	
2010-11				
MCom	83		17	
PhD	40		60	
2011-12				
MCom	82		18	-
PhD	50		33	17
2012-13				
MCom	63	2	33	2
PhD	33	-	67	-
2013-14				
MCom	58	2	38	2
PhD	67	-	33	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC – JRF – NET    3  
 UGC – Lect – NET    36  
 Meghalaya Civil Services    1  
 Meghalaya Finance Services    1  
 Accountant General    1



## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	77
PG to M. Phil.	Nil
PG/ M.Phil. to Ph.D.	41
Ph.D. to Post Doctoral	Nil
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	100
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	29	29	14	Nil
From other universities within the State	Nil	Nil	Nil	Nil
From universities from other States	71	71	71	100
From universities outside the country	Nil	Nil	Nil	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil  
PhD - 1 (Faculty Member in the Dept of Management)  
DSc / Dlitt - Nil

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes. Small Departmental Library,
<i>Internet facilities for staff and students</i>	Yes. Through Wi-Fi and LAN. 100 % to Teaching Faculties & Staff. For students 40 computers with internet,
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	1 (Computer Laboratory)
<i>Research laboratories</i>	1 (Learning Resource Centre)

## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	1	5
2010-11	2	3
2011-12	3	3
2012-13	3	6
2013-14	6	3

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
64	55	104	123	93



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
- Feedback from Industries, Trading and Banking Organisations by way of discussion through Curriculum Workshop.
  - Interaction with faculty members of Elgin Community College, Elgin, US.
42. Does the department obtain feedback from:
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc.*
  - b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Students feedback about teaching learning evaluation is obtained formally through confidential reports and informally through personal interaction with students and sharing at functions like; Departmental Picnic, Fresher Social, Parting Social, Excursion Trips, etc.*
  - c. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*Yes. Alumni and employers on the programmes offer their feedback and the same is utilised while revising the syllabus.*
43. List the distinguished alumni of the department (maximum 10):
- (a) Dr. B F Lyngdoh, Assistant Professor, Dept. of Tourism and Hotel Management, NEHU, Shillong
  - (b) Dr. P P Sharma, Assistant Professor, Gedu College of Business Studies, Gedu, Bhutan
  - (c) Dr. (Mrs) J Dev, Assistant Professor, Dept. of Commerce, Assam University, Silchar, Assam
  - (d) Dr. B Debnath, Assistant Professor, Dept. of Management, NEHU, Tura
  - (e) RAJ Syngkon, Assistant Professor, Dept of Commerce, NEHU, Shillong,
  - (f) Rishot Marwein, PO, United Bank of India,
  - (g) Ritesh Kumar, AG – Audit, Shillong,
  - (h) Shimti Kharmawphlang, Assistant Professor, Dept of Commerce, NEHU, Shillong,
  - (i) Winje Momin, MCS, Extra Assistant Commissioner, Ampati (Meghalaya), and
  - (j) Wouderly Shandiar, Accounts Officer, Bharat Sanchar Nigam Ltd, Shillong.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- (a) Regional Investors' Meet in Collaboration with IPF Cell of BSE Ltd.,
  - (b) Special Lecture by Prof Bhagwati Prasad, Dharwad University,
  - (c) Special Lecture by Prof GC Maheshwari, MS University,
  - (d) Special Programme by Reserve Bank of India,
  - (e) Special Lecture by Prof Dr. IC Gupta, Sri Aurobindo Institute of Management Sciences,



- (f) Two Special Lectures by CA Dharmender Tuteja, CFO, Dalmia Bharat Limited,
- (g) Special Lecture Series by Prof SK Mishra, Dept of Economics, NEHU on Research Methodology,
45. List the teaching methods adopted by the faculty for different programmes:
- Simple Lectures,
  - Interaction,
  - Power Point Presentation,
  - Assignments,
  - Case Method;
  - Industrial Visit,
  - Students' Presentation, and
  - Literature Review.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Learning outcomes are monitored through Three Internal Test, Project Assignment and Presentation, Personal Interaction, Continuous Evaluation.*
47. Highlight the participation of students and faculty in extension activities: *Filed trips are regularly organized. Both students and faculties actively participate in cleaning drive being organized by the department.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Lectures delivered by eminent faculties of other universities those who visit the department from time to time. Discussions on Union Budget is regularly organized.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Extensive research work on micro finance has generated enough literature and data base for the state of Meghalaya. Other areas of research which generated literature are Job satisfaction and Social Responsibility Accounting.*
51. Future plans of the department:
- Introduction of Sepcialisation at Master's Level;
  - To act as a Consumer Advocate by creating a small cell;
  - To conduct Short-Term Need based Training Programmes for Government Officers;
  - To conduct Short-Term Market Based Training Programmes for Managers of Small Industries;
  - To Network / Collaborate with National Level Organisation & Bodies such as Insurance Regulatory;
  - Development Authority (IRDA), Securities & Exchange Board of India (SEBI), Reserve Bank of India (RBI), National Institute of Securities Management (NISM), Investor Protection Cell of BSE / NSE;





- Strengthening of Departmental Library with addition of more books and journals;
- Creating a separate Computer Laboratory with at least 30 systems for Research Scholars with Wi-Fi and Internet connectivity through LAN;
- Providing Consultancy to Small & Medium Industries;
- Organisation of National Level Seminars; and
- Organisation of Refresher Courses in Commerce & Management.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Computer Laboratory;
- Multimedia Class Rooms;
- Cooperation from Students;
- Autonomy; and
- Ability to attract Students from Other States.

**Weaknesses:**

- Admission Policy;
- Decreasing Grant for Library Development;
- Location to attract International / Outstanding National Faculty for Interaction;
- Infrastructure Incompatible with academic needs;
- Small Faculty Strength; and
- Occasional Disruption in Scheduled Road due to Bandh, etc.

**Opportunities:**

- Positive Change in the Attitude towards Business Education; i
- Business Potential of the Region;
- Prevention of Student Migration;
- Scope for Collaboration with Government Departments and Public Sector Companies; and
- Competition from Private Universities.

**Challenges:**

- High Teacher Pupil Ration;
- Competition from Private Universities;
- Fund Sharing by other Competing Central Universities;



### 3.3 Department of Economics

1. Name of Department : ECONOMICS
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Economics, Management and Information Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, M. Phil., Ph.D.
5. Interdisciplinary courses and departments involved : Environmental and Resource Economics, Agricultural Economics and Budgetary Theory are taught, where students from other Departments also join and take as open course
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Prof U. K. De works in the Joints Projects with Indian Statistical Institute, Kolkata regularly. Also, acted as a visiting professor during Dec., 2013 to -January, 2014
7. School of Education Details of programmes / courses discontinued, if any, with reasons : *Nil*
8. Annual/ Semester/Choice Based Credit System : Semester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : *Yes*
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	4	3
Associate Professor	6	6
Assistant Professor	6	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
S. K. Mishra	MA, MRP, Ph.D	Professor	Econometrics, Operations Research, Computer Applications	Lecturer- 3.0 Reader - 6.7 Professor 22	2 (scholars)



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
N. Srivastav	MA, Ph.D	Professor	Industrial Economics	37	-
E. D. Thomas		Professor			
P. Nayak	MA, Ph.D	Professor	Human Development, Women Empowerment	24	-
B. Mishra	MA, Ph.D.	Professor	Public Economics/Labour Economics	27	1
U. K. De	MSc, MPhil, Ph.D.	Professor	Econometrics, Environmental and Resource Economics, Agricultural Economics and Rural Development	Lecturer - 5.0, Sr. Lecturer-2.0, Reader – 4.3, Associate Prof. - 6, Professor - 0.8	3 (scholars)
B. Panda	MA, Ph.D.	Professor	Economics of Development and Economics of NER	21	6, including one from Geography
P. S. Suresh	MA, M.Phil, Ph.D	Associate Professor	Financial Economics	11	2
S. Umdor	MA, Ph.D.	Associate Professor	Indian Economy, Local Govt. Finance	14	-
W. Tariang	M.A.	Assistant Professor	Agriculture Economics, Gender & Poverty	11	-
D. W. Thangkhiew	MA, Ph.D.	Assistant Professor	Macroeconomics	7	-
D. Nongkynrih	MA, Ph.D.	Assistant Professor	Labour Economics	8	-
D. Das	M.Sc, Ph.D.	Assistant Professor	Econometrics	5	-
V. Pala	MA, Ph.D.	Assistant Professor	Microeconomics, Quantitative Economics	7	-

Table 3.8: Faculty Profile of the Department of Economics.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil



13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: *Nil*
14. Programme-wise Student Teacher Ratio: *For PG - 9:1 (Approx.)*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	1	-
LDC/ TA	1	1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies: *Economics of environment, tourism, rural development etc.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Dr. S. Umdor	ICSSR, New Delhi	6.50000
	Dr. S. Umdor	14 <sup>th</sup> Finance Commission	2.50000
	Prof. B. Panda	V. V. Giri National Labour Institute, NOIDA	5.75500
<b>International</b>			
	Prof. B. Panda	UNDP(Appraisal and Impact Assessment of MGNREGA in the state of Assam)	9.75000
	Prof. B. Panda	UNDP(Evaluation of NREGA in the states of Sikkim and Meghalaya)	12.80000

Table 3.9: Number of faculty with ongoing projects in the Department of Economics.

18. Inter-institutional collaborative projects and grants received



(a) All India collaboration:

Name of Faculty	Title of the Project	Funding Agency	Year of Completion
U. K. De (Co-investigator)	Process of Empowerment of Women in Rural Areas: Case Studies in Jharkhand State	Indian Statistical Institute, Kolkata	2009
U. K. De (Co-investigator)	Empowerment of Women in Rural Areas: A Comparative Analysis of Tripura, Meghalaya and Jharkhand	Indian Statistical Institute, Kolkata	2010

(b) International: *Nil*

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

Name of Faculty	Title of the Project	Funding Agency	Year of Completion
U. K. De	Valuation of Some Tourist Sites in Khasi Hills of Meghalaya	UGC, ₹ 8 Lakh	2012
D. Nongkynrih	Rural Tourism: A Case Study of Mawlynnong Village, East Khasi Hills, Meghalaya	ICSSR-NERC	2012
D. Nongkynrih	Land as a private property: Changing patterns of land relations in tribal societies of North East India.	OKD Institute of Social Change and Development, Guwahati and Institute of Development Studies, Kolkata, ICSSR, New Delhi.	2014

20. Research facility / center with Recognition: State / National / International: *NA*

- State Recognition :  
 National Recognition :  
 International :

21. Special research laboratories sponsored by / created by industry or corporate bodies: *NA*

22. Publications: (Detailed List of publications to be provided to the visiting team). Please refer to (Section 3.3.1, pp. 287) for the list of publication.

	National	International	Total
<b>Number of papers published in peer reviewed journals (national/ international)</b>	<b>31</b>	<b>28</b>	<b>59</b>
Prof. S. K. Mishra	18	9	27
Prof. U. K. De	4	17	21
Prof. B. Panda	2	-	2
P. S. Suresh	4	1	5
Dr S. Umdor	3	-	3



	National	International	Total
W. Tariang	-	1	1
<b>Monographs</b>	<b>1</b>	<b>-</b>	<b>2</b>
Dr D. W. Thangkhiew	-	-	1
Prof. B. Panda	1	-	1
Chapters in Books/Papers in conference proceedings	<b>23</b>	<b>7</b>	<b>30</b>
Prof. S.K. Mishra	5	5	10
Prof. U. K. De	8	2	10
Dr. S. Umdor	5	-	5
W. Tariang	1	-	1
Prof. B. Panda	4	-	4
Edited Books	-	-	-
<b>Books with ISBN with details of publications</b>	<b>7</b>	<b>3</b>	<b>10</b>
Prof. U. K. De	4	1	5
P S Suresh	2	-	2
D. Nongkynrih	-	1	1
W. Tariang	1	-	1
Prof. B. Panda	-	1	1
<b>Number listed in International Database</b>			
<b>Citation Index range/average</b>			
Prof. S. K. Mishra	Citations = 366 I <sub>10</sub> Index = 7		
Prof. U. K. De	Index = 7 I <sub>10</sub> Index = 6		
Prof. S. K. Mishra	0 to 0.3	0.2 to 2.15	0 to 2.15
Prof. U. K. De	Index = 7 I <sub>10</sub> Index = 6		
SNIP	-		
SJR	-		
Impact Factor range / average			
<b>h-index</b>			
Prof. S.K.Mishra	NA	7(2009-14)	11
Prof U. K. De	NA	6 (2009-14)	6
Prof. B. Panda	-	-	2

Table 3.10: Detailed Publications of the Department of Economics.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Prof. U. K. De visited Economic Research Unit, Indian Statistical Institute, Kolkata during 20-12-2013 to 3-2-2014 as Visiting Professor.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):



Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. B. Panda	<ul style="list-style-type: none"> <li>i. Member, Expert Committee on effective initiative District Award under Mahatma Gandhi NREGA administration, Govt. of India, 2012 and 2013.</li> <li>ii. Member, Working Committee on Capacity Building in MGNREGA, Ministry of Rural Development, Govt. of India, 2010.</li> <li>iii. Member, Expert Committee to Formulate Research Methodology for Studiwes on Various Aspects of MGNREGA, MORD, Govt. of India 2011-2014.</li> </ul>
<i>International Committees</i>	
Prof. S. K. Mishra	Member, RePEc's Plagiarism Committee (EconPapers/RePEc is the world's largest collection of on-line Economics working papers, journal articles and software; run by a collaborative effort of hundreds of volunteers in over 80 countries to enhance the dissemination of research in economics.)
<i>Editorial Boards</i>	
Prof. S. K. Mishra	<ul style="list-style-type: none"> <li>i. Member, Editorial Board, Indian Journal of Regional Science [Regional Science Association, Kolkata, India]</li> <li>ii. Associate Editor, Gitam Review of International Business [Gitam School of International Business, Gitam University, Visakhapattanam, India]</li> </ul>
Prof. U. K. De	<ul style="list-style-type: none"> <li>i. Journal of Climatology and Weather Forecasting</li> <li>ii. The journal of Social Science Today</li> </ul>
<i>Any Other (Please specify)</i>	
Prof. S. K. Mishra	<p>Refereed to journals:</p> <ul style="list-style-type: none"> <li>i. Asian Ethnicity [Routledge];</li> <li>ii. British J. of Math and Stat Psychol. [Wiley].</li> <li>iii. Computational Economics [Springer];</li> <li>iv. Computational Statistics and Data Analysis [Elsevier];</li> <li>v. Economics Letters [Elsevier];</li> <li>vi. Indian Journal of Regional Science [Regional Science Association, Kolkata]</li> <li>vii. IUP Journal of Managerial Economics [ICFAI]</li> <li>viii. Journal of Economic Growth [Springer];</li> <li>ix. Journal of Quantitative Economics [The Indian Econometric Society, IGIDR, Mumbai]</li> <li>x. Social Indicators Research [Springer]</li> </ul>
Prof. U. K. De	<p>Refereed to</p> <ul style="list-style-type: none"> <li>i. Economic Analysis and Policy (Elsevier)</li> <li>ii. Journal of Development and Agricultural Economics (Academic)</li> <li>iii. African Journal of Agricultural Economics (Academic)</li> <li>iv. Educational Research and Reviews (Academic)</li> <li>v. Science Journal of Ecology</li> <li>vi. Journal of Agricultural Extension and Rural Development (Academic)</li> <li>vii. Archive of Agronomy and Soil Science (Taylor &amp; Francies)</li> <li>viii. Current Issues in Tourism (Taylor &amp; Francies)</li> </ul>





Name of Faculty	Name of Committee
Prof. B. Panda	i. Refereed to Parikalpana, KIIT Journals of Management, Bhubaneswar, India. ii. Member of Working subgroup on Societal Intervention of S and T Society under the Department of Science and Technology, Govt. of India for 12 <sup>th</sup> 5 year Plan iii. Member of Meghalaya Commission on Resource Mobilisation

Table 3.11: Faculty of the Department of Economics Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Through Refresher/orientation course and organising various short term training courses.*

28. Students' Projects: *NA*

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	1	-
<i>Doctoral/ Post Doctoral Fellows</i>					
D. Nongkynrih	-	-	PhD	-	-
D. W. Thangkhiew	-	-	-	-	PhD
<i>Students</i>					
Santanu Ray	-	PhD	-	-	-
Ashutosh Dey	-	PhD	-	-	-
Amrita Devi	-	PhD	-	-	-
Jugal Saikia	-	PhD	-	-	-
Keshab Basumatary	-	PhD	-	-	-
Joyeeta Deb	-	PhD	-	-	-
Moon Moon Hussain	-	-	PhD	-	-
Biswanath Khilar	-	-	-	-	PhD
Ibandalin Wanswet	-	-	-	-	PhD
Imlisunep Changkery	-	-	-	-	PhD
K. H. Pou	-	-	-	-	PhD

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international)



with details of outstanding participants, if any: *Nil*

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
(Prof. U. K. De) Convener of Seminar "Tourism: Economy and Environment in North-East India" organised by NEICSSR at Shilling on 5-6 June, 2012	ICSSR NERC and Directorate of Tourism, Govt of Meghalaya ₹ 0.75000/- and ₹ 1/- Lakhs respectively	70
(Prof. U. K. De) Writing Workshop in Environmental Economics and Policy organised at NEHU during 28-08-2011 to 01-09-2011	SANDEE	20
(Prof. B. Panda) Research Methods in Labour Studies	V. V. Giri National Labour Institute and ₹ 2.28477 Lakh	University and Institutes
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *As per the guideline*

32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA	257	24	31	11	30
MPhil					
PhD					
2010-11					
MA	217	26	29	15	20
MPhil					
PhD					
2011-12					
MA	234	24	31	14	20
MPhil					
PhD					
2012-13					
MA	266	15	40	-	-
MPhil					
PhD					
2013-14					
MA	239	20	34	-	-
MPhil					
PhD					



## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA MPhil PhD	51	-	4	-
2010-11 MA MPhil PhD	49	-	6	-
2011-12 MA MPhil PhD	46	-	9	-
2012-13 MA MPhil PhD	39	2	14	-
2013-14 MA MPhil PhD	45	1	8	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

*NET:* 47 (Forty seven) students passed the test.

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	55
PG to M. Phil.	2
PG/ M.Phil. to Ph.D.	16 (PhD)
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	6	6	4	-
From other universities within the State	-	-	-	-
From universities from other States	7	7	7	-
From universities outside the country	-	-	-	-



37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 2  
*faculties have awarded PhD during last 5 years.*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Nil
<i>Internet facilities for staff and students</i>	Available to all students and teachers
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	Nil
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	1

39. List of doctoral students post graduate students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	-

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
8	1	-	3	1

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *NA*
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*As and when required.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*For revising the syllabus and improvement of teaching methods.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*As and when required.*
43. List the distinguished alumni of the department (maximum 10):
- Prof. J. Roy, Professor of Economics, Jadavpur University, Kolkata,
  - Prof. K. Sengupta, IIM, Shillong,
  - Prof. E. D. Thomas, Pro-Vice Chancellor, NEHU Tura Campus,
  - Dr. D. Roy (Ex-Chief Minister, Meghalaya).



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Special lectures are organised by using faculties from inside and external as and when the opportunities come.*
45. List the teaching methods adopted by the faculty for different programmes: *Apart from open lecture and board works, power point presentation of various topics are adopted. Also, computation and analysis is described by using computers.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Continuous assessments are done to monitor the improvements in teaching and course curricula.*
47. Highlight the participation of students and faculty in extension activities: *Field trips are organised regularly where both teachers and students take active part.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Field activities and analysis of primary data have been imparted to the students.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Through the various empirical research the department could generate sufficient information that is helpful in understanding the socio-economic dynamics of the North-Eastern region. Also, those are helpful in the policy formulation.*
51. Future plans of the department: *The plan is to undertake more environmental and natural resource oriented research, address issues related to poverty alleviation and rural development, as well as energy etc., which are relevant to the region itself.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- The Department has faculty members with diverse specialization, who can handle both theoretical and empirical research besides teaching in most of the relevant fields of economics.

**Weaknesses:**

- Except a few faculty members, computer programming is a limitation to other members. So, if the computer packages are made available they can overcome many of the obstacles to analyse the empirical data for policy purposes.
- Also, there is limitation of space for opening more interdisciplinary courses and making various provisions for the students. More rooms are required for the purpose.
- The post of Stenographer is vacant for long time and not filled, for which the administrative works get delayed. It needs urgent attention.



- Absence of departmental library is another constraint for facilitating urgent study materials to the teachers, students and research scholars.

**Opportunities:**

- Students get education and training in diverse fields and they get ample opportunities in the job market. Also, they can contribute significantly towards the socio-economic development of the country in general and the North-eastern Region as well.

**Challenges:**

- The main challenge is to overcome the data limitation for the Region of north-east India for which many of policy oriented studies get blocked.



### 3.3.1 Publication Lists

Publications during (2009-2014):

Prof. S.K. Mishra:

#### A. Publications in the Journals/Volumes Abroad

- A.1 Xie, J.C., Mishra, S.K., Kar, T. & Xie, R.H. (2014). "Generalized Interatomic Pair-Potential Function", *Chemical Physics Letters*. 605-606 (June 17, 2014), pp. 137-146.
- A.2 Xie, J.C., Kar, T., Mishra, S.K. & Xie, R.H. (2014). "Improved Pair-Potential Function for Diatomic Systems", *Chemical Physics Letters*, 593 (Feb 2014), pp. 77-82.
- A.3 Pou, Kh. & Mishra, S.K. (2013). "Institutional Shackles to Entrepreneurial Development among the Ethnic Groups in NorthEast India: A Study on Entrepreneurial Environment in Poumai Naga Ethnic Group", *International J. of Advancements in Research & Technology*, 2(5), pp.396-413.
- A.4 Mishra, S.K. (2013) "Global Optimization of Some Difficult Benchmark Functions by Host-Parasite Coevolutionary Algorithm", *Economics Bulletin*, 33(1), pp. 1-18.
- A.5 Santos, C.A.G. , Freire, P.K.M.M. & Mishra, S.K. (2012) "Cuckoo Search via Lévy Flights for Optimization of a Physically-based Runoff-Erosion Model", *Journal of Urban and Environmental Engineering*, 6(2), pp. 123-131.
- A.6 Santos, C.A.G., Freire, P.K.D.M.M., Silva, R.M. da, Arruda, P.M. & Mishra, S.K. (2011): "Influence of the Catchment Discretization on the Optimization of Runoff-Erosion Modelling", *Journal of Urban and Environmental Engineering*, 5(2), pp. 91-102.
- A.7 Santos, C.A.G., Pinto, L.E.M., Freire, P.K.D.M.M., & Mishra, S.K. (2010): "Application of Particle Swarm Optimization to a Physically-based Erosion Model", *Annals of Warsaw University of Life Sciences - SGGW: Land Reclamation*, 42(1), 2010, pp. 39-49.
- A.8 Mishra, SK (2010): "On Harnessing Natural Resources for Sustainable Development", *Journal of Environmental Management and Tourism*, I-1(1), 2010, pp. 12-21.
- A.9 Mishra, SK (2009): "Representation-Constrained Canonical Correlation Analysis: A Hybridization of Canonical Correlation and Principal Component Analyses", *Journal of Applied Economic Sciences*, IV:1(7): Spring 2009, pp. 115-124.

#### B. Publications in the Journals in India

- B.1 Nayak, P. & Mishra, S.K. (2013): "Status of Development of NE States in India in the National Perspective", SSRN: [<http://ssrn.com/abstract=2295863>]. *Eastern Panorama*, (August-13: Cover Story). XXII(5), pp. 15-25.
- B.2 Mishra, S.K. & Kumar, B. (2013): "Disparities in Globalization of the World Economies", *NEHU Journal*, 11(1), pp. 1-17.
- B.3 Mishra, S.K. (2012): "A Note on Solution of the Nearest Correlation Matrix





- Problem by von Neumann Matrix Divergence", IUP Journal of Computational Mathematics, 5(1), pp. 7-13.
- B.4 Mishra, S.K. (2011): "Some Experiments on Fitting of Gielis Curves by Simulated Annealing and Particle Swarm Methods of Global Optimization", IUP Journal of Computational Mathematics, Vol. 4(4), pp. 50-59.
- B.5 Mishra, SK (2011): "A Note on Empirical Sample Distribution of Journal Impact Factors in Major Discipline Groups", The FedUni Journal of Higher Education, Vol VII(4), pp. 42-83.
- B.6 Mishra, SK (2011): "A Comparative Study of Various Inclusive Indices and the Index Constructed by the Principal Component Analysis", IUP Journal of Computational Mathematics, 4(2), pp. 7-26.
- B.7 Mishra, SK (2010): "The Most Representative Composite Rank Ordering of Multi-Attribute Objects by the Particle Swarm Optimization", Journal of Quantitative Economics, 8(2), 2010, pp. 165-200.
- B.8 Mishra, SK (2010): "Temporal Changes in the Parameters of Statistical Distribution of Journal Impact Factor", IUP Journal of Computational Mathematics, 3(4), pp. 7-29.
- B.9 Mishra, SK (2010): "A Brief History of Production Functions", The IUP Journal of Managerial Economics, Vol. VIII, No. 4, 2010, pp. 6-34.
- B.10 Mishra, SK (2010): "Fitting an Origin-Displaced Logarithmic Spiral to Empirical Data by Differential Evolution Method of Global Optimization", IUP Journal of Computational Mathematics, III(3), 2010, pp. 7-14.
- B.11 Jamir, T. & Mishra, S.K. (2010): "Micro-analysis of Private Colleges in Nagaland", The FedUni Journal of Higher Education, 5(1-2), 2010, pp. 41-62.
- B.12 Mishra, SK (2010): "Performance of Differential Evolution and Particle Swarm Methods on Some Relatively Harder Multi-modal Benchmark Functions", The IUP Journal of Computational Mathematics, III(1), 2010, pp. 7-18.
- B.13 Mishra, SK (2010): "Is Journal Impact Factor a Good Measure of Research Merit?", The NEHU Journal, VIII(1), 2010, pp. 107-122.
- B.14 Mishra, SK (2010): "What Determines the Academic and Professional Participation of Economists?", The IUP Journal of Managerial Economics, VIII(1-2), 2010, pp. 33-46.
- B.15 Mishra, SK (2009): "A Note on the Ordinal Canonical Correlation Analysis of Two Sets of Ranking Scores", Journal of Quantitative Economics, 7(2), 2009, pp. 173-199.
- B.16 Mishra, SK (2009); "Global Optimization by Particle Swarm Method", ICFAI University Journal of Computational Mathematics, II(4), 2009, pp. 7-16.
- B.17 Mishra, SK (2009): "On Construction of Robust Composite Indices by Linear Aggregation", ICFAI University Journal of Computational Mathematics, 2(3), 2009, pp. 24-44.
- B.18 Nguilie, ML & Mishra, SK (2009): "Structural Relations among the Components



of Household Income and Expenditure in Kohima, Nagaland ", ICFAI journal of Managerial Economics, 7(1), 2009, pp. 23-53.

C. Publications in Edited Books (Chapters), India/Abroad

- C.1 Nayak, P. & Mishra, S.K. (2011) "Structural Changes in Meghalaya - Theory and Evidence", in Raul, R.K. & Saikia, J.N. (eds) North East India: Approaches towards Sustainable Development. Southern Economist, Bangalore. pp. 25-40.
- C.2 Mishra, S.K. (2011) "Issues and Problems in Human Resource Development in the NER", in Raul, R.K. & Saikia, J.N. (eds) North East India: Approaches towards Sustainable Development. Southern Economist, Bangalore. pp. 160-182.
- C.3 Mishra, S.K. & Lyngskor, J.W. (2011) "Trends in Wage Goods Prices and Cost of Living of Casual Workers in Shillong", in Raul, R.K. & Saikia, J.N. . (eds) North East India: Approaches towards Sustainable Development. Southern Economist, Bangalore. pp. 232-251.
- C.4 Santos, C.A.G., Freire, P.K.D.M.M., Mishra, S.K. & Soares Junior, A. (2011): "Application of a particle swarm optimization to the Tank Model", in Risk in Water Resources Management, (Proceedings of Symposium H03 held during IUGG2011, in Melbourne, Australia, July 2011; IAHS Publ. 347, 2011), pp.114-120.
- C.5 Santos, C.A.G., Freire, P.K.M.M., Arruda, P.D.M. & Mishra, S.K. (2011): "Application of Differential Evolution optimizer to the Tank Model", in the Proceedings of XIV World Water Congress (organized by IWRA & SRHE) at Porto de Galinhas, Brazil. Sept. 25-29, 2011
- C.6 Mishra, S.K. & Ngullie, M.L.(2010) "Hedonic Demand for Rented House in Kohima, Nagaland" in Singha, K. (ed) Rural Development in India: Retrospect and Prospects. Concept Publishing Co. New Delhi. pp. 90-97.
- C.7 Mishra, SK (2010): "Construction of an Index: A New Method", in Growth and Human Development in North-East India, pp. 24-35, P. Nayak, ed., Oxford University Press, 2010.
- C.8 Mishra, SK & Nayak, P. (2010): "Human Development and its Correlates in Nagaland", in Growth and Human Development in North-East India, P. Nayak, ed., pp. 323-346, Oxford University Press, 2010.
- C.9 Mishra, SK & Nayak, P. (2010): "Facets and Factors of Human Development in Tripura", in Growth and Human Development in North-East India, pp. 281-296, P. Nayak, ed., Oxford University Press, 2010.
- C.10 Mishra, SK (2009): "A Note on Human Development Indices with Income Equalities", in Rout, H.S. and Panda, P.K. (Eds.), in Human Development: Dimensions and Strategies, New Century Publications, New Delhi, 2009.

Prof. U. K. De:

A. Publications in the Journals/Volumes Abroad

- A.1 De, U. K. (2014) "India's Look East for Integration with East Asia: Step towards Progress" Journal of International Economics, Vol. 5, No. 1, Jan-June, pp. 105-121 (ISSN: 0976-0792).



- A.2 De, U. K. (2013), “Sustainable Nature based Tourism, Involvement of Indigenous Women and Development: A Case of North East India”, *Tourism Recreation Research*, Vol. 38, No. 3, pp. 311-324, November, (ISSN: 0250–8281 (Print), 2320–0308 (Online)).
- A.3 De, U. K. (2013), “Infrastructural Growth, Farm Size and Pattern of Crop Diversification across the Districts of West Bengal”, *Global Journal of Science Frontier Research*, Volume 13, Issue 5, Version 1, pp. 07-33 (ISSN: 22494626 (Online), 09755896 (Print)).
- A.4 De, U. K. & A. Devi (2013), “Willingness to Pay Analysis for Recreation and Conservation of Nature”, *International Journal of Ecological Economics and Statistics*, Vol. 30, No. 3, pp. 102-120 (ISSN: 0973-7537).
- A.5 De, U. K. (2013): “Globalisation and Cointegration among the States and Convergence across the Continents: A Panel Data Analysis”, *Economic Analysis and Policy*. Available online at Vol. 44, No. 1, pp. 107-121 (ISSN: 0313-5926).
- A.6 De, U. K. (2012), “Nature based Tourism, Opportunities of Indigenous Women and Their Empowerment: A North East Indian Perspective”, *Asian Journal of Hospitality and Tourism*, Vol. 11, No. 2, pp. 110-128.
- A.7 De, U. K. and P. Bhattacharya (2012): “Factors Affecting People’s Participation in MGNREGA: A Case Study of Morigaon in Assam” *Journal of Social and Economic Policy*, Vol. 9, No. 2, pp. 143-160 (ISSN: 0973-3426).
- A.8 De, U. K., (2012) “Livelihood, Dependence on Forest and its Degradation: Evidence from Meghalaya”, *Environment and Natural Resources Research*, Vol. 2, No. 3, Pp. 96-114 (ISSN: 1927-0496).
- A.9 De, U. K. and M. Pal (2011), “Problem of Water for Domestic Use and Peoples’ Revealed Willingness to Pay for It: A Study of Hilly Urban Area in North-East India”, *Asian-African Journal of Economics and Econometrics*, Vol. 11, No. 2, December, pp. 333-350 (ISSN: 0972-3986).
- A.10 De, U. K. (2011), “Human Resource and Economic Development: Where Does North-East India Stand?” *International Journal of Asian Social Science*, Vol. 1, No. 4, November, pp. 108-116 (ISSN: 2224-4441).
- A.11 De, U. K. and M. Pal (2011), “Dimensions of Globalisation and Their Effect on Economic Growth and Human Development Index”, *Asian Economic and Financial Review*, Vol. 1, No 1, pp. 1-13 (ISSN: 2222-6737).
- A.12 Sen, Neelanjan; U. K. De and B. N. Ghosh (2010), “Gender Empowerment, Deprivation and Poverty in Rural Jharkhand: A Case Study” *International Journal of Current Research*, Vol. 11, pp.107-116, December (ISSN: 0975-833X).
- A.13 De, U. K. and M. Chattopadhyay (2010), “Crop Diversification by Poor Peasants and Role of Infrastructure: Evidence from West Bengal”, *Journal of Development and Agricultural Economics*, Vol. 2, No. 9, October, pp. 340-350 (ISSN 2006-9774).
- A.14 De, U. K. and M. Das (2010), “Excess Capacity in Ericulture of Assam: An



- Econometric Analysis”, *Journal of Social and Economic Policy*, Vol. 7, No. 1, June, pp. 115-128 (ISSN: 0973-3426).
- A.15 De, U. K. and M. Das (2010), “Economics of Sericulture in Assam: A Comparative Analysis of Three Cultivars”, *South Asia Economic Journal*, Vol. 11, No. 2, pp. 309-336 (ISSN: 1391-5614).
- A.16 De, U. K. and M. Das (2010), “Scope of Ericulture in Assam: A Micro-econometric Analysis” *Journal of Agricultural Extension and Rural Development*, Vol. 2, No. 6, August, pp. 106-115 (ISSN: 2141-2154).
- A.17 De, U. K. and Amrita Devi (2010), “Nature Based Tourism, Seasonal Variation and Its Impact on Employment and Income: Evidence from Meghalaya”, *Journal of Environmental Management and Tourism*, Vol. 1, No. 2, pp. 116-131 (ISSN: 2068-7729).
- B. Publications in the Journals in India**
- B.1 De, U. K. and P. Bhattacharyya (2013): “Participation of Women in MGNREGA: How far is it Successful in Morigaon, Assam?” *Indian Journal of Economics and Development*, Vol.1, No. 2, pp. 38-48 (ISSN: 2320-9836).
- B.2 De, U. K. and Amrita Devi (2011), “Valuing Recreational and Conservational Benefits of a Natural Tourist Site: Case of Cherrapunjee”, *Journal of Quantitative Economics*, Vol. 9, No. 2 (New Series) pp. 154-172 (ISSN 0971-1554).
- B.3 De, U. K. and B.N. Ghosh (2011), “Status of Women in the Rural Khasi Society of Meghalaya” *Journal of NEICSSR*, Vol. 34, No. 2, pp. 1-17 (ISSN: 0970-7913).
- B.4 De, U. K. (2010), “Food Security in North-East India in the Post Globalisation Era”, *The India Economy Review*, Vol. VII, March, pp. 98-109 (ISSN: 2229-5526).
- B.5 De, U. K. (2009), “Extraction and Use of Coal and Limestone in Meghalaya: A Comparative Analysis” *Journal of NEICSSR*, Vol. 33, No.1, pp. 15-22 (ISSN: 0970-7913).
- C. Publications in Edited Books (Chapters), India/Abroad**
- C.1 De, U.K. (2014), “Empowerment of Rural People through MGNREGA with Special Emphasis to Women in Morigaon, Assam”, Forthcoming in the A. Mandal edited Proceedings of UGC Sponsored National Seminar on “Dynamics of Development and Discontent” organized by Tufanganj Mahavidyalaya, West Bengal during 27-28, September, 2013.
- C.2 De, U.K.(2013), “Growth of Infrastructure and Diversification of Crop in West Bengal: A Spatio-temporal Analysis”, in A.K. Dey, S. Sengupta and D. Sarkar (Eds.) *The Economy of West Bengal: Future Directions for Development*, New Delhi Publishers, New Delhi, pp. 115-149.
- C.3 De, U. K. (2012), “Problems and Prospects of Panchayati Raj: An Evaluation in the Context of Tripura”, published in R. Ahmed (Ed.) *Agribusiness and Rural Management*, (Part-Eight), Mittal Publications, New Delhi, (ISBN: 8183243924) pp.2121-2134.
- C.4 Das M. and U.K. De, (2012): “Spatio-Temporal Variation in Fish-Culture in Assam



and the Reasons behind It” published in UK De and M. Das (eds.) *Economy of North-East India: Challenges and Tasks Ahead*, Binapani Publishing House, Guwahati (ISBN: 9788192323916), pp. 169-183.

- C.5 De, U. K. (2011), “Economic Impact of Coalmining in Meghalaya and the Question of Sustainability”, in A. K. Ghosh and A. Watve (Eds.) *Naturenomics-4*, Vol.-1, Balipara Tract and Frontier Foundation, Assam, India, pp. 50-66.
- C.6 De, U. K. (2011), “Spatio-Temporal Pattern of Growth in Ericulture of Assam”, in J. K. Das (Ed) *Agenda for Assam and North-East India: Issues and Trends (Vol.-2)*, Eastern Book House, Guwahati, India, pp. 170-194 (ISBN: 978-938-0261-409).
- C.7 De, U. K. (2011), “Water Scarcity, Informal Domestic Water Market and Consumer’s Benefit: A Study of Shillong Urban Area”, in Z. Husain and L. Cajee (Eds), *Water Crisis in the Indian Subcontinent*, Bookwell, New Delhi, pp. 433-452 (ISBN: 9789380574257).
- C.8 De, U. K. and B. N. Ghosh (2011), “Empowerment of Rural Women in Backward Region of India: A Comparative Study of Jharkhand, Tripura and Meghalaya” in UK De and BN Ghosh (eds.) *Gender Deprivation and Empowerment of Women: An Indian Perspective*, Lambert Academic Publishing, Germany, pp. 111-146 (ISBN: 9783843394970).
- C.9 De, U. K. (2010), “Population Dynamics and the Demographic Dividend in Meghalaya” in B. J. Deb (ed.) *Population and Development in North-East India*, Concept Publishing Company, New Delhi, pp. 167-192 (ISBN: 9788180696886).
- C.10 De, U. K. and Manjit Das (2009), “Ericulture as a Remedy of Rural Poverty in Assam: A Micro Level Study in Barpeta District” in D. Mukherjee (ed) *Indian Handloom and Handicrafts: Issues and Experiences*, The ICFAI University Press, Hyderabad, pp. 170-192 (ISBN: 9788131424827).

#### D. Publications of Books (Authored and edited)

- D.1 (Authored): *Economics of Crop Diversification*, Akansha Publishing House, New Delhi, 2003 (ISBN: 9788187606222).
- D.2 (Co-authored & Co-edited): *Education in North East India: Experience and Challenge*, Concept Publishing House, New Delhi, 2004 (ISBN: 81-8069-063-6).
- D.3 (Co-authored & Co-edited): *Issues on Empowerment of Women*, Mohit Publication, New Delhi, 2004 (ISBN: 81-7445-269-9).
- D.4 (Co-authored & Co-edited): *Issues on Natural Resource Management with Special Reference to North-East India*, Regency Publications, New Delhi, 2007 (ISBN: 9788189233518).
- D.5 (Co-authored & Co-edited): *Gender Deprivation and Empowerment of Women: An Indian Perspective*, Lambert Academic Publishing, Germany, 2011 (ISBN: 9783843394970).
- D.6 (Co-authored and co-edited): *Economy of North-East India: Challenges and Tasks Ahead*, Binapani Publishing House, Guwahati, 2012 (ISBN: 9788192323916).

D. Nongkynrih:



A. Papers in Journals (national)

- A.1 Nongkynrih D., (2010-11), “Educational Infrastructure in North East India”, Education: North East, Journal of the North East India Educational Society, Vol. 15 (2010-11), pp.34-40. ISSN-0973-4902.
- A.2 Nongkynrih D and Eugene D. Thomas (2011, 2012), “Labour Force Participation Of Women And Role Of Education: A Review of Recent Literature”, Manpower Journal, Vol. XLVI, No. 4, Oct-Dec. 2011 & Vol. XLVII, No. 1, pp.87-103. ISSN: 0542-5808.
- A.3 Nongkynrih D and Daisy Das (2012), “Tourism In Meghalaya: A Case Study of the Cleanest Village in India”, EXCEL International Journal of Multidisciplinary Management Studies, Vol. 2(12), December 2012, pp.65-73.
- A.4 Nongkynrih D (2013), “Gender Inequality in School Education – With Special Reference to North East India”, Indian Educational Review, Volume 51, No. 1, January 2013, pp. 13-30. ISSN:0019-561X
- A.5 Nongkynrih D (2014), “Female Child Labour in India: An Econometric Analysis” (with Minakshi Chakrabarty), Child Hope, Newsletter on Child Labour, V. V. Giri National Labour Institute, Noida, Vol. 3 No. 12-15, July-Sep, Oct-Dec; Jan-March & April-June, 2014, pp.6-11.

B. Publication of Book: International

- B.1 Women Work Participation in India-Trends and Determinants: 1983 to 2004-05, LAMBERT Academic Publishing, Germany, ISBN: 978-3-8473-0762-4

W. Tariang:

A. Publication of Book

- A.1 W. Tariang (with Manjit Das & Ratul Mahanta): Book Development of North–East India and Dimensions, ISBN:978-93-82120-28-5, Lakshi Publishing & Distributors, New Delhi.

B. Panda:

A. Publication of Book (International)

- A.1 B. Panda, Rural Non-Farm Employment in India and Thailand, VDM Verlag, Germany

Dr. P. S. Suresh:

A. Papers Publication in Journals:

- A.1 Suresh PS (2009), “Capacity Utilization in Private School Industry: A Case Study of Nagaland”, International Journal of Management Research And Technology, Vol 3, No. 1, Jan- Jun, 2009, PP 317-331.
- A.2 Suresh PS (2010), “Public Expenditure and Human Development in North-East India : A Case Study of Meghalaya” in Growth and Human Development in North-East India, (ed) Nayak, P, PP 233-243.
- A.3 Suresh PS (2010), “Determinants of Public Expenditure: A Survey Article”, International Journal of Business Management, Economics and Information Technology, Vol.2, No.1, January-June, 2010, published in August, 2010), 55-72.





- A.4 Suresh PS (2011), “Tax Efforts in North-Eastern States of India” in B.K.Mohanty (ed), Economic Development in India ( Issues and Challenges), New Century Publishers, New Delhi, PP. 292-301.
- A.5 Suresh PS (2012), “Determinants of Public Expenditure in Assam: An Econometric Study”, International Journal of Business Management, Economics and Information Technology”, Vol.4, No.2, July-December, pp. 141-156.
- B. Books Published: National
- A.1 Investment Behaviour in Indian Sugar Industry: An Econometric Study, Global Research Publications, New Delhi, 2013.
- A.2 Production Functions in Sugar Industry: A Case Study of Chittoor District of Andhra Pradesh, Serials Publications, New Delhi, 2013.





### 3.4 Department of Journalism and Mass Communication

1. Name of Department : Journalism and Mass Communication
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Economics, Management & Information Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MA
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester under Choice Based Credit System
9. Participation of the department in the courses offered by other departments. :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	-
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Kamaljit Chirom	MA, NET-JRF	Assistant Professor	Film Studies, Ad and PR, Research Methodology	2	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
Barath N	MA, MPhil, NET-JRF	Assistant Professor	Culture Studies, Development Communication, Print Media	2	-
Karen L. Donoghue	MA, NET-JRF	Assistant Professor	Television, New Media, Media and Gender	2	-

Table 3.12: Faculty Profile of the Department of Journalism and Mass Communication.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
13. Percentage of classes taken by temporary faculty-programme- wise information:
14. Programme-wise Student Teacher Ratio: 9.3: 1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	0
UDC/ STA	-	0
LDC/ TA (Temporary)	-	0
MTS/ Lab Asstt.	-	0

16. Research thrust areas recognized by major funding agencies:
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
-	-	-	-
<i>International</i>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received: *None*
  - (a) All India collaboration:
  - (b) International:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *None*
20. Research facility / center with Recognition: *None*



- State Recognition:
- National Recognition:
- International Recognition:

21. Special research laboratories sponsored by / created by industry or corporate bodies:
22. Publications: (Detailed List of publications to be provided to the visiting team):

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)			
Monographs			
Chapters in Books/Papers in conference proceedings	3		3
Edited Books			
Books with ISBN with details of publishers			
<b>Number listed in International Database</b>			
Citation Index range/average			
SNIP			
SJR			
Impact Factor range / average			
h-index			

23. Details of patents and income generated: *None*
24. Areas of consultancy and income generated: *None*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *None*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify): *None*

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Orientation Programmes, Short Term Courses, Seminars, Workshops.*
28. Students' Projects: *None*

% of students who have done in-house projects including inter-departmental projects	
% of students doing projects in collaboration with other universities/ industry/ institute	



29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Kamaljit Chirom	-	-	-	①	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

① *Dr. Ambedkar Fellowship National Award-2013* awarded by Bharatiya Dalit Sahitya Akademi, New Delhi

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: *None*

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Not applicable*

32. Student profile course-wise: *Not applicable*

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA	-	-	-	-	-
2010-11 MA	-	-	-	-	-
2011-12 MA	-	-	-	-	-
2012-13 MA	-	-	-	-	-
2013-14 MA	-	-	-	-	-

33. Diversity of students: *Not applicable*

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA	-	-	-	-



2010-11 MA	-	-	-	-
2011-12 MA	-	-	-	-
2012-13 MA	-	-	-	-
2013-14 MA	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Not applicable*
35. Student progression: *Not applicable*

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	
PG/ M.Phil. to Ph.D.	
Ph.D. to Post Doctoral	
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	
<input type="checkbox"/> Others	
Entrepreneurs	

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university	66.66%			
from other universities within the State		33.33%		
from universities from other States	33.33%	66.66%		
from universities outside the country				

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*None*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	1
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	-

39. List of doctoral, post-doctoral students and Research Associates: *Not applicable*

Year	From the host University	From Other Universities
2009-10		



2010-11		
2011-12		
2012-13		
2013-14		

40. Number of post graduate students getting financial assistance from the university: *Not applicable*

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from: *Not applicable*

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10): *Not applicable*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Not applicable*

45. List the teaching methods adopted by the faculty for different programmes: *Not applicable*

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Not applicable*

47. Highlight the participation of students and faculty in extension activities: *Not applicable*

48. Give details of “beyond syllabus scholarly activities” of the department: *Not applicable*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

51. Future plans of the department: *To start a Post-graduate programme in Journalism & Mass Communication and to enhance and develop the quality of the teaching and syllabus thus giving students with both practical and holistic education in the subject area. Moreover, the department*



*also plans to take up research programmes and research activities whenever the resources and requirements are available. The department also plans to undertake other academic activities like seminars, symposiums, workshops, etc. in the near future.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Young dynamic faculty working at a pioneering stage in the development of the department.

**Weaknesses:**

-

**Opportunities:**

- Chance to become media study and research hub of the North-East.

**Challenges:**

- No experienced faculty. Need more infrastructure in terms of building and equipment.





### 3.5 Department of Library and Information Science

1. Name of Department : LIBRARY AND INFORMATION SCIENCE
2. Year of establishment : 1985
3. Is the Department part of a School/ Faculty of the university? : Yes. School of Economics, Management and Information Science
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MLISc., Ph.D.
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments. :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	-
Associate Professor	1	1
Assistant Professor	4	4

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. M. M. Naga	M.LibSc., Ph.D.	Professor	Application of Management Concepts & Principles in Libraries & Information Centres, Information Literacy, Utilisation of Information Resources on Urban & Rural Development Programmes	24	3
Dr. B. Laloo	M.L.I.Sc. (NEHU), Ph.D (GU), MA English (IGNOU)	Associate Professor	User Studies, Collection Development, Library and Information Science Education, Professional Development Activities in Librarianship	21	5
Dr. P. Hangsing	M.L.I.Sc. (Delhi), PGDCA (NEHU), Ph.D (NEHU)	Assistant Professor	Library System Analysis & Design, Database Management System, Information Communication Technology, Digital Libraries, Information System Studies	13	4 Ph.Ds Awarded in the last 4 years
Mrs. J. J. Thabah	M.L.I.Sc.	Assistant Professor	Knowledge Organisation	13	



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mrs. J. Khongtim	M.L.I.Sc.(NEHU), PGDCA (NEHU)	Assistant Professor	Information Technology, Computer Application, Research methodology	9	
Dr. S. Ravikumar	M.Sc., M.Phil., Ph.D. in library and Information Science	Assistant Professor	Information Retrieval, Bibliometrics, And Library Software	8	3 Ph.Ds Scholars Registered

Table 3.13: Faculty Profile of the Department of Library and Information Science.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

Visiting Fellows :-

- i. Prof. H.R. Chopra
- ii. Dr. Mhamud Muzabah UI Islam.

Guest Lecturers :-

- i. Shri J. Nongbri
- ii. Mrs. D.O. Jyrwa,
- iii. Miss B. Ryntathiang
- iv. Miss Haripriya.
- v. Mrs. Pansngiat Passah
- vi. Miss Aruna Oinam
- vii. Dr. Ajeemsha S.

13. Percentage of classes taken by temporary faculty-programme- wise information: *Three programmes. Approximately Forty Percent per programme*

14. Programme-wise Student Teacher Ratio: *10:1*

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
PA	1	-
UDC/ STA	-	-
LDC/ TA	1 (LDC)	1 (LDC)
MTS/ Lab Asstt.	1 (MTS)	1 (MTS)

16. Research thrust areas recognized by funding agencies: *Knowledge Organisation, Information Storage and Retrieval, Information/Knowledge Management, Information Literacy, Reading Habits of Students, Tapping, Preservation and Conservation of Indigenous Knowledge of the*



*North East India, Users Needs and their Information Seeking Behaviour, Computer Applications and Applications of Information Communication Technology in Managing Libraries and Information Centres, Digital Libraries, Utilization of Information Resources both in Urban and Rural Settings of the North East India.*

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<i>National</i>			
-	-	-	-
<i>International</i>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
- All India collaboration:
  - International:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
20. Research facility / center with Recognition :
- State Recognition:
  - National Recognition:
  - International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies:
22. Publications: (Detailed List of publications to be provided to the visiting team) *Please refer to (Section 3.5.1, pp. 312) for details.*

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)			
Monographs	-	-	-
Chapter in Books/ Papers in Conference proceedings	-	-	-
Edited Books	-	-	-
Books with ISBN with details of publishers	-		
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

**Table 3.14:** Detailed Publications of the Department of Library and Information Science.



23. Details of patents and income generated:
24. Areas of consultancy and income generated:
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Attending Refresher Courses, Seminars, Conference and Workshops.*
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Seminar – Personality Development in the Library profession , 21 – 23 Oct 2010	NEHU, ₹ 50,000/-	-
<i>International</i>		



Conference- Information Literacy in the Knowledge Society. 6 – March, 2014	ICSSR, New Delhi - ₹ 5 Lakhs NEHU - ₹ 1,47,500/-	-
----------------------------------------------------------------------------	-----------------------------------------------------	---

31. Code of ethics for research followed by the Department/ Centre:
32. Student profile course-wise: *The Dept. started LL.M Master Degree Programme in the academic Session 2014-15*

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MLISc PhD	348	14	16	-	-
2010-11 MLISc PhD	316	4	26	-	-
2011-12 MLISc PhD	282	13	17	-	-
2012-13 MLISc PhD	263	9	19	-	-
2013-14 MLISc PhD	205	13	17	-	-

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MLISc PhD	96	-	3	-
2010-11 MLISc PhD	100	-	-	-
2011-12 MLISc PhD	100	-	-	-
2012-13 MLISc PhD	67	-	13	-
2013-14 MLISc PhD	86	-	6	-



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	3	4	2	
from other universities within the State				
from universities from other States	3	2	2	
from universities outside the country				

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 4 (Four)
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	
<i>Internet facilities for staff and students</i>	One Computer Laboratory; Desktop Computers for Faculty, Classrooms and Office; Laptop Computers for Faculty
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	

39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	i. Khrwbok Nongrang ii. Rokester Khar- bihkhiew iii. Pansngiat Passah	Kallol Das -





	iv. Batskhem Sten v. Lalditum Sinate vi. Manoj Rana vii. Daphne Jyrwa			
2010-11	-	-	-	-
2011-12	i. Ibajanai Kharbudon ii. Jarlimon Khongtim iii. Zawang Hkawng		i. Nimali Chakravarti	
2012-13	i. Florence Guite ii. Subash Subedi Sharma		i. Prida Ariani ii. Ivana Komel iii. Kishore Basumatary iv. Suraj Gogoi	
2013-14	Mebandabha Rabon		i. Krishna Kishore Das ii. Jurimoni Sarma	

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Informally from students. Discussion. Revision of syllabus.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes. Informally from students. Discussion. Revision of syllabus*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?



*Yes. Informally from students. Discussion. Revision of syllabus.*

43. List the distinguished alumni of the department (maximum 10):
- i) Dr. Moses M. Naga, Ph.D - Professor, Department of Library & Information Science, North-Eastern Hill University, Shillong.
  - ii) Dr. R. K. Ngurtinkhuma, Ph.D – Professor, Department of Library & Information Science, Mizoram University, Aizawl.
  - iii) Dr. Muhammad Mezbah-ul-Isalm, Ph.D – Professor, Department of Information Science and Library Management, University of Dhaka, Bangladesh.
  - iv) Dr. Icylda Majaw, Ph.D – Former Librarian, , North-Eastern Hill University, Shillong.
  - v) Dr. Bijoy Bharali, Ph.D – Librarian, Guwahati Medical College, Guwahati.
  - vi) Dr. Mukesh Saikia, Ph.D – Librarian, Tezpur University, Assam
  - vii) Dr. Tamal Guha – Librarian IIT Guwahati, Guwahati.
  - viii) Dr. Lalremsiami, Ph.D – Librarian, Mizoram University, Aizawl.
  - ix) Dr. Jacob D. Vakkayil, Ph.D – Assistant Professor, IESEG School of Management, Paris, Lille, France
  - x) Aldalin Lyngdoh – Asstt. Librarian, British Medical Association, London.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Department engage one Delhi Based Nimansa Consultus for imparting practical training to the students, one Professor S. Patniak came and deliver lectured on International Law in the month of March 2015.*
45. List the teaching methods adopted by the faculty for different programmes:
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities:
48. Give details of “beyond syllabus scholarly activities” of the department: *Internship*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Continuous syllabus revision ; wide ranging research.*
51. Future plans of the department:
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Regular revision of syllabus; intensive research on North East India (PG Dissertations and PhDs)
- Weaknesses:**
- Small Library budget ; difficulty in making the Administration recognise Classification tools as Laboratory tools



**Opportunities:**

- Almost cent per cent placement of alumni in recognised institutions

**Challenges:**

- Keeping up with technology; adapting to changes



### 3.5.1 List of Publications (2009 - 2014)

#### 1. Prof. Moses M. Naga

##### Journal Publications:

- i). Naga, Moses M. (2011), "Role of Public Libraries in Promoting Information Literacy", In "Public Libraries in ICT-Driven Knowledge Society", during 9-11, September, 2011 at Manipur University, edited by Ch. Ibohal Singh, Published by Raja Ram Mohon Roy Library Foundation (RRRLF) and Manipur Library Association (MALA), Imphal, 144-148.
- ii). Naga, Moses M., Hangsing, P and Das, Kallol (2011), "Use of ICT Based Electronic Resources in Selected Central University Libraries of India", In Brenda Bazeley (ed) on "ICT in Education" organized by the Department of Education, NEHU, Shillong during 13-14, September, 2011.
- iii). Naga, Moses M. (2011), "Mobilisation of Financial Resources for College Libraries in North East India", In Zomuana Zoute (ed) on "Resource Mobilisation for College Libraries in North Eastern Region" organized by Government Aizawl North College, Aizawl, Mizoram, sponsored by UGC and North Eastern Council (NEC) during 22-23, September, 2011.
- iv). Naga, Moses M. and Sten, B. (2012), "Awareness and Accessing of Electronic resources by the Post Graduate Students of North Eastern Hill University, Shillong", In Tamal Kumar Guha et al (ed), on Building Participatory Library Services in Digital Era, PLANNER, held on 1-3, March, 2012 at Gangtok jointly organized by INFLIBNET CENTRE, Ahmedabad and Sikkim University.
- v). Naga, Moses M., I. Kharbudon and Z. Hkawng (2012), "Information Literacy and Digital Literacy", In K. M. Bujarbaruah on Managing Libraries in Digital Era held on 10-11, August, 2012 at Assam Agricultural University, Jorhat, Assam.
- vi). Naga, Moses M. & Sten, B. (2015), "Information Literacy on Indira Awaas Yojana: A Literature Review", In P. Hangsing & Moses M. Naga (eds), on Role of Library and Library Professionals in the Knowledge Society, AAyu Publications.

##### Editorship:

- vii). Edited a Festschrift Volume on "Changing Dimensions in Librarianship: Essays in Honour of Prof. J.C. Binwal" with Dr. Ch. Ibohal Singh as the Co-editor published by Niveda Publications, Guwahati, Assam, 2014
- viii). Edited a Festschrift Volume on "Librarianship Re-defined in Knowledge Society: Essays in Honour of Prof. J.C. Binwal" with Dr. Ch. Ibohal Singh & Dr. Nirmal Kumar Swain as the Co-editors published by Open Page India, Bhubaneshwar, Odisha, 2015
- ix). Co-edited a book on Role of Library and Library Professionals in the Knowledge Society, Published by AAYU Publications, New Delhi, 2015

##### Conferences/Seminars:



- x). Attended as an Invited Keynote Speaker a three days National Seminar on “Public Libraries in ICT-Driven Knowledge Society” organised by RRRLF, Ministry of Culture, Government of India, Department of Art and Culture, Government of Manipur and Manipur Library Association at Manipur University on 09-11, September, 2011. Also chaired a technical session during the seminar.
- xi). Attended as a Resource Person a Regional Seminar on “Resource Mobilisation for College Libraries in North Eastern Region” during 22-23, September, 2011 organised by Government North Aizawl College, Aizawl. This seminar was sponsored by the UGC and the North Eastern Council (NEC).
- xii). Attended and presented a paper on “Awareness and Accessing of Electronic Resources by the Post Graduate Students of North Eastern Hill University, Shillong” at three days National Seminar-PLANNER at Gangtok, Sikkim jointly organised by INFLIBNET CENTRE, Ahmedabad and Sikkim University during 1-3, March, 2012
- xiii). Presented a paper on “Agricultural Information Literacy: A Case Study of Cassava Farmers in Umudike Community in Nigeria” with CP Uzuegbu as the Co-author during the International Conference on “Information Literacy in the Knowledge Society” organised by the Department of Library and Information Science, NEHU, Shillong in collaboration with the Indian Council of Social Science Research (ICSSR), New Delhi during 6-8 March, 2014

## 2. Dr. Bikika Laloo

### Journal Publications:

#### International

- i). Nongrang, K. and Laloo, B. “Bibliometric Study of Research Output of Botany Faculties to Manage Journal Collection in NEHU Library,” International Journal of Library and Information Studies, Vol.3 (2) Apr-Jun, 2013
- ii). Laloo, B. and. Buhril, J.L. “Information Needs and Information Seeking Behavior of Teachers of Special Education in Shillong, India” Journal of the American Academy of Special Education Professionals (JAASEP). FALL, 2013
- iii). Laloo, B. “Quality of Students Admitted to Library Schools: A Study of Meghalaya, India” West East Journal of Social Sciences, 2013
- iv). Laloo, B. and Chakraborty, N. “Knowledge Management Through Academic Portal: A Case Study of Bodhidroom E-Learning Portal” World Digital Libraries, 6(2), December, 2013

#### National

- v). Laloo, B. and Thabah M, “Personal Book Collection of Politicians and Bureaucrats in Shillong, India: A Survey” IASLIC Bulletin, 58 (4), December 2013,
- vi). Laloo, B. and Passah, P.”Managing and Documenting Indigenous Traditional Knowledge of North-East India: A Proposal,” Proceedings of the International Seminar on Application of Communication and Information Technology in Library, Kolkata, 2014
- vii). Laloo, B. and Passah, P “Role of Employing Institutions in Facilitating Professional



- Development Activities” Proceedings of the International Conference on “Information Literacy in the Knowledge Society,” 6th-8th March, 2014 Department of Library and Information Science, NEHU, Shillong,
- viii). Laloo, B. (2013) “The place of ICT in LIS education ICT in Education” In ICT in Education, B.B.Kharbiryumbai (Ed), Guwahati, Eastern Book House
- ix). Laloo, B. and Kharmyndai, L. (2015) Adaptive Facilities for Supporting Differently-abled Persons in the Library Environment: A Case Study of Libraries in Shillong, Meghalaya, India SRELS Journal of Information Management, Vol 52(1), p. 31-35

Book Authored:

- i). “Information Needs, Information Seeking Behaviour and Users,” (2002) New Delhi, Ess Ess Publications,
- ii). “Essays on Library and Information Science Education” (2012) New Delhi Ess Ess Publications,

Book Edited:

- i). “Personality Development in the Library Profession,” (2010) Proceedings of the National Conference on Personality Development in the Library Profession, Shillong, Printed by Calron Impressions
- ii). “We’ve Come A Long Way,” (2010), Silver Jubilee Souvenir of the Department of Library and Information Science, NEHU, Shillong, Printed by Calron Impressions, Nongthymmai, Shillong

3. Dr. P. Hangsing

Journal Publications:

- i). *Implication of 80/20 Rule in Electronic Journal Usage of UGC-Infonet Consortia*, Pages 207-219, The Journal of Academic Librarianship Volume 41, Issue 2, March 2015, 0099-1333
- ii). *Reaffirming Pareto 80/20 rule in Indian Academic Consortia*, pp. 57-70, World Digital Libraries - An International Journal, Vol. 7, no. 1, 2014, 0974-567X (P), 0975-7597 (E)
- iii). *Relevance of the Rising Job Market for LIS Professionals versus Competencies Needed with Reference to Indian Context*, Pages 54-74, Trends in Information Management (TRIM), Vol 8, No. 2 (2012), 0973-4163.
- iv). *FoxPro 2.5 based Serial Management System*, Library Herald, Vol 39, No. 3, Pages 117-139, 0024-2292
- v). Singson, M. and Hangsing, P. (2014). Implication of 80/20 Rule in Electronic Journal Usage of UGC-Infonet Consortia. The Journal of Academic Librarianship. Volume 41, Issue 2, March 2015, Pages 207-219
- vi). Singson, M. and P. Hangsing (2014). Reaffirming Pareto 80/20 Rule in Indian Academic Consortia. World Digital Library: An International Journal, Vol 7 Issue 1, June 2014, Pages 57 – 70



- vii). Baruah, Bobby Goswami & P. Hangsing (2012). Relevance of the Rising Job Market for LIS Professionals Versus Competencies Needed with Reference to Indian Context. In Trends in Information Management, July – Dec 2012, Vol. 8 (2), ISSN 0973-4163
- viii). Hangsing, P. and M. Singson (2013). Preservation, Discography and Cultural Crossings of the North Eastern Indian Tribal Folk Music on Free File Hosting Sites. In Preservation of Information Resources in 21st Century /Edited by Pravakar Rath, R. Ramachandran, & R. N. Mishra. Published by Today and Tomorrow's Printers and Publishers: 2013, ISBN 81-7019-462-8, Page No. 139-150
- ix). Sumer, F. R., P. Hangsing, and A. R. D. Prasad (2012). A Comparative Study on the Performance of Three Indian ETD repositories using Apache JMeter in International Conference on Trends in Knowledge and Information Dynamics (ICTK – 2012) /Edited by Devika P. Madalli, Saful Amin, & Anila Sulochana
- x). Talukdar, Kallol Das, P. Hangsing, & Moses M. Naga (2012) Use of ICT based Electronic Resources in selected Central University Libraries of India Page No. 182 - 192 ICT in Education Vol. 1. /Edited by Brinda Bazeley Kharbiryumbai. Published by EBH Publishers: March, 2012 ISBN 978-93-80261-91-1
- xi). Talukdar, Kallol Das, P. Hangsing and Moses Mi. Naga (2012). Use of ICT based electronic resources in selected central universities of India. In Brinda Bazeley Kharbiryumbai (ed) Information Communication Technology, Volume 1, EBH Publishers: 2012, Pages 182 - 192
- xii). Warr, Hanadashisha and P. Hangsing (2009). Open source digital library software: a literature review. In Th. Madhuri Devi and Ch. Ibohal Singh (eds.) Proceedings of the National Seminar on Preservation and Conservation of Information Resources in Knowledge Society: Issues, Challenges and Trends, Imphal: Siroi Publications, ISBN 979-81-907418-4-2, Page 238-257
- xiii). Sinate, Lalditum and P. Hangsing (2009). A preliminary view at the concept of semantic web from the perspective of library services. In Th. Madhuri Devi and Ch. Ibohal Singh (eds.) Proceedings of the National Seminar on Preservation and Conservation of Information Resources in Knowledge Society: Issues, Challenges and Trends, Imphal: Siroi Publications. ISBN 979-81-907418-4-2, Page 258-272
- xiv). Baruah, Bobby Goswami and P. Hangsing (2010). An overview of Library and Information Science Curricula in the context of the Indian Job Market. In Jagtar Singh and Trishanjit Kaur (eds.) Envisioning Employable LIS Courses in Developing Countries for the Emerging Knowledge Society, Patiala: Indian Association of Teacher of Library and Information Science (IATLIS), Pages 163-186

Books/ Chapters published in Books/ Proceedings of Conferences/ knowledge based serial volumes, etc.:

- xv). "Open source digital library software: a literature review". Page 238-257, Preservation and Conservation of Information Resources in Knowledge Society: Issues, Challenges and Trends, Th. Madhuri Devi and Ch. Ibohal Singh (eds.), Imphal: Siroi Publications,





ISBN 979-81-907418-4-2

- xvi). "A preliminary view at the concept of semantic web from the perspective of library services". Page 258-272, Preservation and Conservation of Information Resources in Knowledge Society: Issues, Challenges and Trends, Th. Madhuri Devi and Ch. Ibohah Singh (eds.) Imphal: Siroi Publications. ISBN 979-81-907418-4-2
- xvii). "An overview of Library and Information Science Curricula in the context of the Indian Job Market", Pages 163-186, Envisioning Employable LIS Courses in Developing Countries for the Emerging Knowledge Society, by Jagtar Singh and Trishanjit Kaur (eds.), Indian Association of Teacher of Library and Information Science (IATLIS), ISBN 978-93-85161-04-9
- xviii). "A Comparative Study on the Performance of Three Indian ETD repositories using Apache JMeter", International Conference on Trends in Knowledge and Information Dynamics (ICTK – 2012) /Edited by Devika P. Madalli, Saful Amin, & Anila Sulochana, ISBN 978-93-5067-881-7
- xix). "Use of ICT based Electronic Resources in selected Central University Libraries of India" ICT in Education Vol. 1 /Edited by Brinda Bazeley Kharbirymbai, EBH Publishers, ISBN 978-93-80261-91-1
- xx). Preservation, Discography and Cultural Crossings of the North Eastern Indian Tribal Folk Music on Free File Hosting Sites, Preservation of Information Resources in 21st Century /Edited by Pravakar Rath, R. Ramachandran, & R. N. Mishra. Published by Today and Tomorrow's Printers and Publishers, ISBN 81-7019-462-8

#### 4. J. J. Thabah

Journal Publications:

- i). Thabah, J.J. and Nonglait, Jusaphine L. (2010) "Stress Management in NEHU Central Library". In: Laloo, B. (ed) Proceedings of the National Seminar on 'Personality Development in the Library Profession' organized by the Department of Library & Information Science, NEHU, Shillong, held on the 21st- 23rd October 2010, p.359-375.

#### 5. J. Khongtim

Journal Publications:

- i). Khongtim, J, "Role of Academic Librarians in Motivating Information Literacy Skills in Students of Higher Education: A Literature Review". Published in ILA Bulletin, Vol. 46 No. 1-2 (January-June, 2010)
- ii). Khongtim, J, "Library 2.0: Are Shillong Libraries ready for it?" Published in the Library Herald, September 2010

Conference proceeding:

- iii). Khongtim, J, "Personality Development and Librarianship" published in the Proceeding of the National Seminar, 2010 organised by the Dept of Lib & Inf Sc, NEHU
- iv). Khongtim, J, "Library Extension Services: Reaching the Unreached Users" published in the Proceeding of the National seminar organized by the Dept of Lib & Inf Sc,



Manipur University on 28th-29th October, 2010

- v). War, Aibahun C and Khongtim,J, “Minimum Standards for School Libraries: A Literature Review” published in the Proceeding of the National seminar organized by the Dept of Lib & Inf Sc, Manipur University on 28th-29th October, 2010
- vi). Khongtim, J, “Post Graduate Students’ Awareness of Copyright Infringement: A Study of the School of Life Sciences in North-Eastern Hill University, Shillong, India” presented in the International conference on “Information Literacy in the Knowledge Society” held on 6th-8th March 2014 organized by the Dept. of Lib. & Inf. Sc., NEHU, Shillong, Meghalaya, India in collaboration with Indian Council of Social Science Research (ICSSR), New Delhi, India
- vii). Synteng Nongdhar, Lapdianghun and Khongtim, Jiarlimon, “Library Software Literacy of College Librarians in Shillong: A Study” presented in the International conference on “Information Literacy in the Knowledge Society” held on 6th-8th March 2014 organized by the Dept. of Lib. & Inf. Sc., NEHU, Shillong, Meghalaya, India in collaboration with Indian Council of Social Science Research (ICSSR), New Delhi, India

#### 6. S. Ravikumar

##### Journal Publications:

- i). S.Ravikumar, A Study On Use Of Electronic Resources By North Eastern Hill University Research Scholars, (Paper accepted for publication by), Pearl: A Journal of Library and Information Science, Year 2014, Volume-8, Issue-3 (July -September), Print ISSN : 0973-7081, Online ISSN : 0975-6922
- ii). S.Ravikumar, Ashutosh Agrahari & S.N. Singh, Mapping the Intellectual structure of Scientometrics: A co-word analysis of Scientometrics Journal (2005-2010), (Paper accepted for publication by) Scientometrics –ISSN 1588-2861

##### Book:

- iii). S.Ravikumar & S.N. Singh, Data Management Architecture For Digital Preservation: A Service-Oriented Architecture Approach, Information Control and Management in Digital Environment, A Festschrift in Honour of Prof. K.C. Panda, Edt., by C.R. Karisiddappa & P. Padhi. Atlantic Publisher,2012. Pg . No. 56-62. ISBN 978-81-269-1696-1

##### Conference/Seminar Proceeding

- iv). S.Ravikumar,International Press Telecommunications Council Classification System: A comparative study with DDC, 8th National Conference on Recent Advances in Information Technology (READIT)SIRD, IGCAR, , Kalpakkam - 603 102
- v). S. Ravikumar, A Webometric Study of Selected Academic Libraries in India Using Link Analysis, 5th International Conference on Webometrics, Informetrics and Scientometrics & 10th COLLNET meeting, Dalian University of Technology, China, Dalian, September 13-16, 2009.



- vi). S. Ravikumar, Towards a Service-oriented Architecture for Collaborative Management of Electronic Resources in Digital Library Environment. Proceeding of International Conference on “Knowledge Networking in ICT era, B.S. Adur Rahman Crescent Engineering College & SALIS, Chennai, January 22-24, 2009.



### 3.6 Department of Management (Tura)

1. Name of Department : MANAGEMENT (Tura Campus)
2. Year of establishment : 2006
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Economics, Management & Information Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MBA - General, MBA - Services, & Ph D
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : *Need based courses in collaboration with industries*
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Refresher Courses, Orientation Programmes, Management Development Programmes, Offered by other Departments and Government Agencies; Short-term Training courses of different Government / Semi-Government Organizations
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	4	2
Assistant Professor	6	6

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
Prof. G. Singaiah	M.Com, MBA (Andhra University), PhD (Utkal University), FDP (SICI)	Professor	Cross Cultural Management, Marketing and Entrepreneurship Development	28 years	7
Prof. J.U. Ahmed	M.Com, Ph.D, LL.B (Assam University), LL.M (GOU)	Professor	Finance, Banking and Statistical Methods	15 years	6
Dr. A. Batttcharjee	M.Com., B.Ed., Ph.D (Gauhati University)	Associate Prof	Human Resource Management, Rural Marketing and Entrepreneurship Development	12 years	4
Dr. K. C. Biswal	<i>M.Com., MBA., M.Phil., Ph.D (Berhampur University) M.C.A. (SU)</i>	Associate Prof	Accounting & Finance, Management Information System and E-commerce.	17 years	3
Dr. Deepak Bhagat	<i>MBA (Assam Agricultural University, Jorhat), Ph.D (Gauhati University)</i>	Assisant Prof	Agri-Business Management, Supply Chain Management & Quantitative Technique	8 years	2
Dr. K. D. Singh	<i>PGDIBO, M.Com MBA (IGNOU), Ph.D (Manipur University)</i>	Assistant Prof	Accounting & Finance, Entrepreneurship and Agricultural Finance	9 years	4
Dr. Bimal Debnath	<i>MBA (Devi Ahilya University), Ph.D (NEHU)</i>	Assistant Prof	Information System and Information Technology	8 years	
Dr. Sunildro Akoijam	<i>MBA (Amity University) Ph.D (MU)</i>	Assistant Prof	International Business & Marketing	5 years	NIL



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mr. T. Rao Bhandaru	MBA (Pondicherry University)	Assistant Prof	HRM & Tourism	2 years	NIL
Ms. S. B. A. Mazumder	MBA (Assam University)	Assistant Prof	Marketing & Finance	2.5 years	NIL

Table 3.15: Faculty Profile of the Department of Management (Tura).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*
14. Programme-wise Student Teacher Ratio: MBA - 100:7; PhD - 25:6
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA	0	0
LDC/ TA (Temporary)		1
MTS/ Lab Asstt.	2	2

16. Research thrust areas recognized by major funding agencies:
  - (a) Cross cultural Management
  - (b) Management of Small Business
  - (c) Entrepreneurship
  - (d) Supply Chain Management
  - (e) Micro Finance
  - (f) Capital Markets
  - (g) Capital Structure
  - (h) Rural Marketing
  - (i) Tourism Development
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
	Dr. K.D. Singh	ICSSR Delhi	₹ 7,00,000/- (on-going)
	Dr. K.D. Singh	NABARD, Mumbai	₹ 5,33,000/- (on-going)
<i>International</i>			



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
-	-	-	-

Table 3.16: Number of faculty with ongoing projects in the Department of Management.

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*
  - International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / center with Recognition:
- State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team):

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	39	16	55
Monographs			5
Chapters in Books/Papers in conference proceedings			5
Edited Books			6
Books with ISBN with details of publishers			3
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		0- 2 (range)	
h-index		-	

Table 3.17: Detailed Publications of the Department of Management.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	





Name of Faculty	Name of Committee
Prof. G. Singaiah	Affiliation Committees of UGC and NAAC,
Prof. J. U. Ahmed	<ul style="list-style-type: none"> <li>i. Member, Academic Council, NEHU, Shillong-22 (Since 2012)</li> <li>ii. Member, Academic Council, University of Science &amp; Technology, 9th Mile, Meghalaya (since 2010)</li> <li>iii. Chairman, Board of Paper Setters, MIMS, Manipur University, Imphal (2013-14)</li> <li>iv. Member, BPGS in Management Studies, Nagaland University, Nagaland.</li> <li>v. Member, School Board, SEMIS, NEHU, Shillong-22 (since 2009)</li> <li>vi. Member, Governing Body, William Nagar College, Garo Hills, Meghalaya (since 2011)</li> <li>vii. Member, Bio-Informatics Centre, NEHU, Tura Campus (2011 to 2012)</li> <li>viii. Member, Moderation Board, School of Engineering, NEHU, Shillong, Meghalaya</li> </ul>
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. J. U Ahmed	<ul style="list-style-type: none"> <li>i. Chief Editor, International Journal of Applied Management Research, Dept. of Management, NEHU, Tura Campus, Meghalaya (since 2012)</li> <li>ii. Former Editor, AURA, Journal of Indian Institute of Science &amp; Management, Ranchi, Jharkand (2005 &amp; 2006)</li> <li>iii. Associate Editor, Sparkle, Half yearly Newsletter, Indian Institute of Science &amp; Management, Pundag, Ranchi, Jharkand (2006)</li> <li>iv. Member, Editorial Board, Journal of Royal Business School, Guwahati, Assam (Since 2013)</li> <li>v. Member, Editorial Board, Journal of Indian Institute of Science and Management, Ranchi, Jharkhand (since April, 2006).</li> <li>vi. Life Member, North Eastern Council for Social Science Research, Shillong, Meghalaya since January 2006.</li> <li>vii. Life Member, North East India Education Society, North Eastern Hill University, Shillong, Meghalaya since March 1998.</li> <li>viii. Life Member, Barak Education Society,</li> <li>ix. Meherpur, Silchar, Assam since July 1997</li> </ul>
Dr. D. Bhagat	<ul style="list-style-type: none"> <li>i. Managing Editor, International Journals 7 Applied Management Research Member</li> <li>ii. Editorial Board Member, Journal &amp; Business Theory &amp; Practise, United States</li> </ul>
Dr. K.C. Biswal	Associate Editor, Common Man, International Journal, Member of Editorial Boards of IJOAASE, Hyderabad, Member of Editorial Board of IJOCM, Bhubaneswar
Dr. A. Bhtatarjee	Associate Editor, IJAMR, NEHU, Tura Campus
Dr. Sunildro Akoijam	Assistant Editor, IJAMR, NEHU Editorial Board, Standard International Journals, Editorial Board Member, International Journals of Management & Development Editorial Board Member, Journal of Business on Global Economic, Canada



Name of Faculty	Name of Committee
Mr. T. Rao Bhandaru	i. Editorial Board Member for Asian Journal of Business Research and Policy Decision, ii. Assistant Editor for International Journal of Applied Management Research
<i>Any Other (Please specify)</i>	
Prof. G. Singaiah	Member, School of Management, Nagaland University, Dimapur, Nagaland, Member, Board of Post-Graduate Studies (Management), Rajiv Gandhi Central University, Itanagar, Arunachal Pradesh
Dr. A. Bhattacharjee	i. Member, BOS, Journalism & Management Communication, NEHU, Shillong, ii. Member, BOS, Dept of Mgt, NEHU, Tura Campus, iii. Life Member, Indian Commerce Association
Dr. D. Bhagat	i. President, North Eastern Regional Chapter, Institute for Supply Management (ISM) - India (An affiliate of ISM, USA). ii. Teacher- In- Charge, Students Welfare, NEHU, Tura Campus. iii. Managing Editor, International journal of Applied Management Research, India. iv. Editorial board member, Journal of Business Theory and Practice, Los Angeles, (ISSN 2372-9759 (Print) ISSN 2329-2644 (Online)). v. Editorial board member, International Journal of Business and Management, Canada, ISSN 1833-3850 (Print) ISSN 1833-8119 (Online)
Dr. Sunildro Akoijam	Member, AIMA, DMA, RMAI, ISM, International Social for Development & sustainabilty

Table 3.18: Faculty of the Department of Management Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: Refresher Courses, International and National Seminars & Workshops, Training Programmes:

i.	Number of international Seminar:	01
ii.	Number of National Seminar:	03
iii.	Number of Regional Seminar:	01
iv.	Number of National Symposium:	02
v.	Number of Refresher Course/Orientation programme/School:	03
vi.	Number of MDP/EDP/ESDP:	07
vii.	Number of Workshop:	02
viii.	Number of International Academic Collaboration Programme:	01
ix.	Programme for Release of International Journal:	01

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities/ industry/ institute	100%



29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Emerging trends of financial services in India (Dr. K.C. Biswal)	ICSSR, Shillong	150
Role of SEBI and NSEIL in the Indian Capital Market (Dr. A. Bhattacharjee)	NSEIL	15
Three days Workshop of Entrepreneurship & Social Change (Dr. K. D. Singh)	ICSSR, Shillong 50,000/-	32
Special Winter School in Management Science (Dr. K. D. Singh)	ICSSR, Shillong-₹ 50,000/-	22/23
National Seminar on Entrepreneurship (Dr. K. D. Singh)	DC Office, Tura ₹ 50,000/-	67
National Seminar on Micro-finance: Understanding its success & sustainable (Dr. D. Bhagat)	ICSSR, New Delhi ₹ 6 Lakhs	80
National seminar on role of congestive SCM in the development of NE (Dr. D. Bhagat)	IBDLP, ₹ 1.8 lakhs	30
Capacity Building Programme (Dr. Sunildro Akoijam)	ICSSR, New Delhi, ₹ 9.4 lakh	40
<i>International</i>		
Inter-Seminar on Entrepreneurship in the fast changing society (Dr. K. D. Singh)	Planning Dept., Govt. of Meghalaya ₹ 4,20,00/-	67

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous evaluation at pre-submission besides viva-voce, monitoring plagiarism for corrections, etc.*

32. Student profile course-wise:

Name and Batch of the Course		Applica-tions received	Selected		Pass Percentage	
			Male	Female	Male	Female
2009-10	MBA	230	18	11	100	100
	PhD	55	9	6		
2010-11	MBA	180	19	10	100	100
	PhD	45	4	1		
2011-12	MBA	114	23	10	23	10
	PhD		1			



Name and Batch of the Course		Applica-tions received	Selected		Pass Percentage	
			Male	Female	Male	Female
2012-13	MBA PhD	127	15	14	15	14
2013-14	MBA PhD	75 57	28 5	15 3		

## 33. Diversity of students:

Name and Batch of the Course		% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
2009-10	MBA PhD	12 5	9	8 10	
2010-11	MBA PhD	16 1		13 4	
2011-12	MBA PhD	12	3	18	1
2012-13	MBA PhD	12	10	7	
2013-14	MBA PhD	17	13	12 8	

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC - JRF - NET	: 1
UGC - Lect - NET	: 1
Meghalaya Civil Services	:
Meghalaya Finance Services	:
Accountant General	:

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	6
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	65
<input type="checkbox"/> Others	25
Entrepreneurs	10

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university			1	
from other universities within the State				



from universities from other States	10	10	7	
from universities outside the country				

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 2  
PhD- 2 (Faculty Members in the Dept of Management)

DSc /Dlitt. - Nil

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes. Departmental Library in the department
<i>Internet facilities for staff and students</i>	Yes. Through Wi-Fi and LAN. 100 % to Teaching Faculties & Staff. For students 30 computers with internet
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	3
<i>Students' laboratories</i>	1 (Computer Laboratory)
<i>Research laboratories</i>	1 (Conference hall cum Case Study Room)

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	5	10
2010-11	1	4
2011-12		1
2012-13		
2013-14		8

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
12	15	20	23	24

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

- Feedback from Industries, Trading and Banking Organisations by way of discussion through Curriculum Workshop.
- Interaction with faculty members of Reputed Institutions like IIMs, Central and Foreign Universities

42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc.*



- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Students feedback about teaching learning evaluation is obtained formally through confidential reports and informally through personal interaction with students and sharing at functions like; Departmental Picnic, Fresher Social, Parting Social, Excursion Trips, etc.*
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*Yes. Alumni and employers on the programmes offer their feedback and the same is utilised while revising the syllabus and organising winter projects and student's placement.*
43. List the distinguished alumni of the department (maximum 10): *Nil*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- SAP Training programme,( Module I, II) by SAP, Kolkata,
  - Role of SEBI and NSEIL in the Indian Capital Market, (Awareness of Investment Habit among students).
  - Special Lecture by SBI Branch Manager, Chandmari Campus Tura
  - Capacity Building Workshop sponsored by ICSSR, NEW Delhi
45. List the teaching methods adopted by the faculty for different programmes:
- Mosaic conducted ever year
  - HR Conclave conducted every year
  - Case study Workshop conducted annually
  - Organising industrial tours for interaction with executives
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Learning outcomes are monitored through Three Internal Test, Project Assignment, and Presentation, Personal Interaction, Continuous Evaluation.*
47. Highlight the participation of students and faculty in extension activities:  
*Students of the department are actively participating various campus placement drive held on and off -campus.*  
*Combined participations of faculty and students for Cleanliness Drive on account of Swatch Bharat Abhiyan.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Annually held HR Conclave with Industry-Academia Interface in the department, industrial visits.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or



applied: *Micro-finance; Job Satisfaction, Social Responsibility Reporting*

51. Future plans of the department:

- Introduction of more Specialisations at Masters Level;
- To act as a Consumer Advocate by creating a small cell;
- To conduct Short-Term Need based Training Programmes for Government Officers;
- To conduct Short-Term Market Based Training Programmes for Managers of Small Industries;
- To Network / Collaborate with National Level Organisation & Bodies such as Insurance Regulatory Development Authority (IRDA), Securities & Exchange Board of India (SEBI), Reserve Bank of India (RBI), National Institute of Securities Management (NISM), Investor Protection Cell of BSE / NSE;
- Strengthening of Departmental Library with addition of more books and journals;
- Creating a separate Computer Laboratory with at least 30 systems for Research Scholars with Wi-Fi and Internet connectivity through LAN;
- Providing Consultancy to Small & Medium Industries;
- Organisation of more National Level Seminars and case study work shops
- Organisation of Refresher Courses in interdisciplinary subjects

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Computer Laboratory;
- Multimedia Class Rooms;
- Cooperation from Students;
- Autonomy; and
- Ability to attract Students from Other States/Other Countries

**Weaknesses:**

- Admission Policy;
- Decreasing Grant for Library Development;
- Location to attract International / Outstanding National Faculty for Interaction;
- Infrastructure Incompatible with academic needs; v) Small Faculty Strength; and
- Occasional Disruption in Scheduled Road due to Bandh, etc.

**Opportunities:**

- Positive Change in the Attitude towards Business Education;
- Business Potential of the Region;
- Prevention of Student Migration;
- Scope for Collaboration with Government Departments and Public Sector Companies; and
- Competition from Private Universities

**Challenges:**





- High Teacher Pupil Ratio;
- Competition from Private Universities;
- Fund Sharing by other Competing Central Universities;



### 3.7 Department of Tourism and Hotel Management

1. Name of Department : TOURISM AND HOTEL MANAGEMENT
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Economics, Management and Information Sciences.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : Master of Tourism and Travel Management (MTTM) programme - PG degree
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester Based Credit System
9. Participation of the department in the courses offered by other departments. : Faculty members are the members of Board of Studies of different Departments.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	2
Assistant Professor	3	2

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Saurabh Kumar Dixit	BHM&CT, MTM, Ph. D.	Associate Professor	Tourism / Hospitality Management,	14 Years	-
Dr. Punit Gautam	B. Sc. (Dairy Technology), MTA, D.Phil.	Associate Professor	Sustainable Tourism; Tourism Policy	20 Years	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Benjamin F. Lyngdoh	Master of Commerce, PhD	Assistant Professor	Finance, Human Resource Management, Entrepreneurship and Development Studies	10 Years	-
Dr. Sharad Kumar Kulshreshtha	B.Com (Hons), M.Com, PG Dip (EDP), MTA, Ph.D.	Assistant Professor	Tourism / Travel Management,	10 Years	-

Table 3.19: Faculty Profile of the Department of Tourism and Hotel Management.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty-programme- wise information: Nil
14. Programme-wise Student Teacher Ratio: NA
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	-
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies: Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	Dr. Saurabh Kumar Dixit	University Grants Commission, New Delhi	₹9.69600/-
-	Dr. Benjamin F. Lyngdoh	ICSSR, New Delhi	₹4.00000/-
<b>International</b>			

Table 3.20: Ongoing projects in the Department of Tourism and Hotel Management.



18. Inter-institutional collaborative projects and grants received:  
 (a) All India collaboration: Nil  
 (b) International: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: Nil
20. Research facility / center with Recognition :  
 State Recognition: *Nil*  
 National Recognition: *Nil*  
 International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications: (Detailed List of publications to be provided to the visiting team)

	Total	National	International
<b>Number of papers published in peer reviewed journals (national/ international)</b>	15	8	23
<b>Monographs</b>	-	-	-
<b>Chapters in Books/Papers in conference proceedings</b>	23	3	26
<b>Edited Books</b>	2	-	2
<b>Books with ISBN with details of Publishers</b>	5	-	5
<b>Number listed in International Database</b>	-		
<b>Citation Index - range / average</b>	-		
<b>SNIP</b>	-		
<b>SJR</b>	-		
<b>Impact Factor - range / average</b>	-		
<b>h-index</b>	-		

Table 3.21: Detailed Publications of the Department of Tourism and Hotel Management.

23. Details of patents and income generated: Nil
24. Areas of consultancy and income generated: Nil
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: Nil
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Saurabh Kumar Dixit	U.G.C. Spot Assessment Committee for new Universities
<i>International Committees</i>	
-	-



Name of Faculty	Name of Committee
Editorial Boards	
Dr. Saurabh Kumar Dixit	i. Science Journal of Economics- An Open Access Refereed Journal (ISSN: 2276-6286), ii. Journal of tourism - studies and research in tourism (Revista de turism - studii si cercetari in turism) - An Open Access Refereed Journal published twice in a year (ISSN: 18442994), iii. Journal ECOFORUM- An Open Access Refereed Journal published twice in a year (ISSN: 2344-2174)
Any Other (Please specify)	
-	-

Table 3.22: Faculty of the Deptt. of Tourism and Hotel Management Serving in Committees, Editorial ...

27. Faculty recharging strategies: *Providing the opportunities to the faculty members to take part in subject / interdisciplinary conferences and workshops.*
28. Students' Projects: *Not Applicable*

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Nil*

32. Student profile course-wise: *Not Applicable*

Name and Batch of the Course	Applica- tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MTTM	-	-	-	-	-
2010-11 MTTM	-	-	-	-	-
2011-12 MTTM	-	-	-	-	-
2012-13 MTTM	-	-	-	-	-
2013-14 MTTM	-	-	-	-	-

33. Diversity of students: *Not Applicable*

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MTTM	-	-	-	-
2010-11 MTTM	-	-	-	-
2011-12 MTTM	-	-	-	-
2012-13 MTTM	-	-	-	-
2013-14 MTTM	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Not Applicable*.35. Student progression: *Not Applicable*.

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	
PG to Ph.D.	
Ph.D. to Post Doctoral	
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-



36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	1	-	1	-
from other universities within the State	-	-	-	-
from universities from other States	3	4	3	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	Yes
<i>Students' laboratories</i>	Not Applicable
<i>Research laboratories</i>	Yes

39. List of doctoral, post doctoral students and Research Associates: Nil

Year	From the host University		From Other Universities	
2009-10				
2010-11				
2011-12				
2012-13				
2013-14				

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No

42. Does the department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
- Alumni and employers on the programmes offered and how does the department utilize the feedback?





43. List the distinguished alumni of the department (maximum 10): *Not Applicable.*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Not Applicable.*
45. List the teaching methods adopted by the faculty for different programmes: *Not Applicable.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?: *Not Applicable.*
47. Highlight the participation of students and faculty in extension activities: *Not Applicable.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Not Applicable.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Not Applicable.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Not Applicable.*
51. Future plans of the department: *To develop itself as a centre for excellence in the area of Tourism and Hospitality Research and to contribute the industry to gain maximum from the tourism business.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- The region is full of tourism wealth and attractions dotted all around the region.
- Pleasant climate throughout the year for the visitors.
- The tourist spots are well connected through good surface and air ways.
- The only University Department of the entire North East offering course on Tourism and Hotel Management.
- Sufficient number of experienced faculty members.

**Weaknesses:**

- The promotion of tourism business is lacking in this region.
- Students lack the interest for tourism / hospitality education.
- Lack of infrastructural facilities in the Department because of its initial stage.
- Problem of attracting students from other states of the North East Region due to regional disturbances.
- No provision of Non Teaching and Technical support staff in the Department.

**Opportunities:**

- The Department may be developed ideally as a Centre for Excellence in Tourism and Hospitality Education and Research.
- Being a Department of Central University it has important role to play for the development of the Tourism Business.
- Students of the state may be moulded / groomed to suit the requirements of



the trade.

- Applicants from different states of the North Eastern Region may be encouraged to pursue the courses by conducting awareness drives with the help of State/ Central Tourism Departments.
- The Department can play a vital role in the generation of entrepreneurial capabilities among the incumbents.

**Challenges:**

- The Department has to set the standard of highest level of Training and Developments for the human resources.
- The Department will contribute in the growth and Development of SME sector in tourism business.
- The development of infrastructural facilities in the Department in pace with the current scenario of tourism and hotel industry.
- Developing industrial linkages for training / development and job placements of the students.
- To realise the untapped potential of tourism industry in North East in general and Meghalaya in particular.



## School of Education

### 3.8 Centre for Distance Education

1. Name of Department : CENTRE FOR DISTANCE EDUCATION
2. Year of establishment : 1986
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Education.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : (a) B.ED-SEDE,  
(b) Post Graduate Professional Diploma in Special Education (PGPD-SEDE),  
(c) Post Graduate Diploma in Entrepreneurship,  
(d) Foundation Course on Education of Children with Disabilities (FC-SEDE),  
(e) Certificate Course in Floriculture, and  
(f) General Course in Floriculture.
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : B.Ed.-SEDE, PGPD-SEDE & FC-SEDE Programmes offered in collaboration with the Rehabilitation Council of India, New Delhi.
7. Details of programmes / courses discontinued, if any, with reasons : -
8. Annual/ Semester/Choice Based Credit System : Nil
9. Participation of the department in the courses offered by other departments. : Nil
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
<b>Professor</b>	1	1
<b>Associate Professor</b>	Nil	Nil
<b>Assistant Professor</b>	Nil	1 Placed from erstwhile Mizoram Campus

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. R. N. Rai	M.A., Ph.D	Professor & Head	Psychological Testing , Developmental Psychology & Health Psychology	27 years	Nil
Dr. R. C. Pandey	M.A, Ph.D	Assistant Professor	Social Psychology & Statistics	20 years	Nil

Table 3.23: Faculty Profile of the Centre for Distance Education.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*.
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: *Nil*.
14. Programme-wise Student Teacher Ratio:

Year	Programme-wise	Student Teacher Ratio
2009-10	1. B.ED Special Education (B.ED-SEDE)	30:1
	2. Post Graduate Professional Diploma in Special Education (PGPD-SEDE)	4:1
	3. Foundation Course on Education of Children with Disability (FC-SEDE)	70:1
	4. Certificate Course in Floriculture	12:1
	5. General Course in Floriculture	3:1
	6. Post Graduate Diploma in Entrepreneurship	7:1
2010-11	1. B.ED Special Education (B.ED-SEDE)	30:1
	2 Post Graduate Professional Diploma in Special Education (PGPD-SEDE)	7:1
	3. Foundation Course on Education of Children with Disability (FC-SEDE)	75:1
	4. Certificate Course in Floriculture	8:1
	5. General Course in Floriculture	-
	6. Post Graduate Diploma in Entrepreneurship	8:1
2011-12	1. B.ED Special Education (B.ED-SEDE)	40:1
	2. Post Graduate Professional Diploma in Special Education (PGPD-SEDE)	3:1
	3. Foundation Course on Education of Children with Disability (FC-SEDE)	235:1
	4. Certificate Course in Floriculture	10:1
	5. General Course in Floriculture	-
	6. Post Graduate Diploma in Entrepreneurship	-



Year	Programme-wise	Student Teacher Ratio
2012-13	1. B.ED Special Education (B.ED-SEDE)	60:1
	2. Post Graduate Professional Diploma in Special Education (PGPD-SEDE)	12:1
	3. Foundation Course on Education of Children with Disability (FC-SEDE)	212:1
	4. Certificate Course in Floriculture	-
	5. General Course in Floriculture	-
	6. Post Graduate Diploma in Entrepreneurship	-
2013-14	1. B.ED Special Education (B.ED-SEDE)	100:1
	2. Post Graduate Professional Diploma in Special Education (PGPD-SEDE)	35:1
	3. Foundation Course on Education of Children with Disability (FC-SEDE)	380:1
	4. Certificate Course in Floriculture	-
	5. General Course in Floriculture	-
	6. Post Graduate Diploma in Entrepreneurship	-

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	1	1
LDC/ TA	1	2 ( 1 is in Daily Wage)
MTS/ Lab Asstt.	-	-
Peon	1	1

16. Research thrust areas recognized by funding agencies: *Nil*.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:

(a) All India collaboration: *Nil*.

(b) International collaboration: *Nil*.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*.

20. Research facility / Centre with



- State Recognition: *Nil*
- National Recognition: *Nil*
- International Recognition: *Nil*

21. Special Research laboratories sponsored by / created by industry or corporate bodies : *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	4	-	4
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	-	-	-
Edited Books	-	-	-
Number listed in International Database		-	
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.24: Detailed Publications of the Centre for Distance Education.

23. Details of patents and income generated:

2009-10	₹12,52,600/-
2010-11	₹20,22,100/-
2011-12	₹50,48,400/-
2012-13	₹55,05,000/-
2013-14	₹58,97,830/-

24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected Nationally / Internationally to visit other laboratories in India and abroad: *Nil*.
26. Faculty serving in a) National Committees b) International Committees c) Editorial Boards d) Any other ( please specify)

Name of the Faculty	Name of Committee
Prof. R. N. Rai	(a) Nominated Member of Editorial Board of PSYBER NEWS, International Psychology Research Publication from 2012. (b) Nominated Editorial Consultant of the Journals of the Indian Academy of Applied Psychology from 2014.

Table 3.25: Faculty of the Centre for Distance Education Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *As per UGC and NEHU guidelines and Norms.*
28. Students' Projects



% of students who have done in-house projects including inter-departmental projects	100%.
% of students doing projects in collaboration with other universities / industry / institute	Nil

## 29. Awards / recognitions received at the national and international level by:

<i>Faculty</i>					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. R.N.Rai	-	-	-	Nominated Vice President of Indian School of Psychology Association (INSPA) from April 2013	Nominated Regional President of Indian Academy of Applied Psychology from January 2014
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

Table 3.26: Awards/recognitions of Faculties of the Centre for Distance Education.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
Nil	Nil	Nil

31. Code of ethics for research followed by the Department/ Centre : *As per UGC and NEHU Guidelines and Norms.*

## 32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
1) B.ED-SEDE	58	26	32	30%	43%
2) PGPD-SEDE	-	-	-	-	-
3) FC-SEDE	154	57	97	24%	45%
4) Floriculture	15	2	13	50%	69%
5) Entrepreneurship	7	3	4	0%	0%
2010-11					
1) B.ED-SEDE	85	32	53	40%	32%
2) PGPD-SEDE	20	9	11	44%	45%
3) FC-SEDE	277	150	127	61%	53%





Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
4) Floriculture	17	5	12	10%	17%
2011-12					
1) B.ED-SEDE	123	40	83	28%	41%
2) PGPD-SEDE	22	8	14	38%	43%
3) FC-SEDE	609	283	326	7%	73%
2012-13					
1) B.ED-SEDE	176	64	112	50%	45%
2) PGPD-SEDE	35	11	24	64%	46%
3) FC-SEDE	636	299	337	58%	55%
4) Floriculture	10	5	5	0%	4%
2013-14					
1) B.ED-SEDE	198	36	162	<b>To be appeared Results Awaited</b>	
2) PGPD-SEDE	69	30	39		
3) FC-SEDE	495	245	250		32%

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
1) B.ED-SEDE	45%	3%	52%	Nil
2) PGPD-SEDE	NIL	NIL	NIL	NIL
3) FC-SEDE	45%	2%	53%	NIL
2010-11				
1) B.ED-SEDE	40%	1%	59%	Nil
2) PGPD-SEDE	30%	NIL	70%	NIL
3) FC-SEDE	45%	1%	54%	NIL
2011-12				
1) B.ED-SEDE	50%	Nil	50%	Nil
2) PGPD-SEDE	25%	Nil	75%	NIL
3) FC-SEDE	40%	1%	59%	NIL
2012-13				
1) B.ED-SEDE	45%	Nil	55%	Nil
2) PGPD-SEDE	20%	NIL	80%	NIL
3) FC-SEDE	30%		70%	NIL
2013-14		Nil		



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
1) B.ED-SEDE	50%	NIL	50%	Nil
2) PGPD-SEDE	25%	NIL	75%	NIL
3) FC-SEDE	35%		65%	NIL

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Nil*.

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	50% of successful students of Diploma have been absorbed as Special Educators in SSA and various School
Entrepreneurs	50% students Successful of Floriculture and Entrepreneurship have started their own venture.

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same University	-	-	-	PGDM & SS
From other Universities within the state	-	-	-	-
From Universities from other States	100%	100%	100%	100%
From Universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *None*.

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	
<i>Internet facilities for staff and students</i>	Available
<i>Total no. of Classrooms</i>	3
<i>Class rooms with ICT Facilities</i>	Nil
<i>Students Laboratories</i>	1
<i>Research Laboratories</i>	NIL

39. List of doctoral students and Research Associates: *Not applicable*.

40. Number of post graduate students getting financial assistance from the university: *Nil*.

41. Was any need assessment exercise undertaken before the development of new programme(s)?



If so, highlight the methodology: *Yes, for revision of Study Materials, syllabus, departmental meeting followed by meeting with coordinators.*

42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching learning evaluation? If yes, how does the department utilize the feedback?  
*Yes, through Coordinator meeting the matter regarding teaching learning evaluation is discussed.*
  - Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?  
*Through Coordinator and students feedback at the time of Counselling session.*
  - Alumni and employers on the Programmes offered and how does the department utilize the feedback?  
*Not applicable.*
43. List of distinguished alumni of the department (maximum 10): *Nil.*
44. Give details of student enrichment programmes (special lectures / workshops/ seminar) involving external experts:
- Filed visits to successful Enterprises for Floriculture and Entrepreneurship Programmes to motivate the Distance Learners are arranged.
  - Students are given hands on training session both at the Laboratory and in the Field.
  - Regular visit to oversee the successful implementation of the Disability programmes in the study Centers located in the States of Assam, Meghalaya, Mizoram and Tripura.
  - Special Lectures for Disability Programmes at the time of Counselling session.
45. List the teaching methods adopted by the faculty for different programmes : *Lecture method, Discussion method, field visits , Study tours etc.*
46. How does the department ensue that programme objectives are constantly met and learning outcomes are monitored?
- As per the syllabus revised every three years,
  - Work load as allotted in according to the University norms,
  - Internal and external evaluation.
  - Paper setting, modification, invigilation, tabulation and verification of tabulation, sheets.
  - Admission (Entrance Test).
47. Highlight the participation of students and faculty in extension activities:
- Prof. R. N. Rai ; invited to Chair the session in the 14th International Conference of the Indian Academy of Applied Psychology on “Quality of Life and Globalization: Effective Self Care Intervention” in 2010.
  - Prof. R. N. Rai; delivered lecture on “Concept of Open & Distance Learning (ODL)” on 23rd Feb 2010 organized by Department of Education, NEHU, Shillong.
  - Prof. R. N. Rai delivered lectures on “Stress and coping station “in November 2010



- organized Military Hospital, Shillong.
- (d) Prof. R. N. Rai , delivered lecture on motivation for lifelong learning in December 2010 in the Department of Adult & Continuing Education, NEHU, Shillong.
  - (e) Dr. S. N. Sarma; attended the National Workshop on “Quality Assurance and Formation of Special Education offered through Distance Mode” in July 2010 organized by Rehabilitation Council of India , New Delhi and presented a paper on “Existing strategies adopted by Open Universities to implement Special Education Programme through Distance Mode” in NE Region.
  - (f) Prof.R.N.Rai; invited to Chair the Session in the 15th International Conference of the Indian Academy of Applied Psychology on “Life Skills for Quality of Life” in 2011.
  - (g) Prof.R.N.Rai; invited to Chair the Scientific Session on “Applied Social Psychology in the 16th International Conference of the Indian Academy of Applied Psychology in June 2012 organized by TOC Institute of Science and Technology, Kerala.
  - (h) Prof.R.N.Rai invited to Chair a Session on “Child rights and Abuse in Home and School” in the National Conference of Indian School of Psychology Association in November, 2012 organized University of Calicut, 23rd December 2012.
  - (i) Prof.R.N.Rai; delivered a theme Lecture in Training Programme on Stress & Management of Stress organized by Department of Psychology, University of Calicut on 23rd December 2012.
  - (j) Prof.R.N.Rai, invited to Chair the Scientific Session on “Psychology in the Public Interest” in the 17th International Conference of Indian Academy of Applied Psychology in May 2013 organized by Karnataka University, Dharwad.
  - (k) Prof.R.N.Rai; invited to Chair a Scientific Session on “School Psychology Services to Children with Multiple Disabilities “ in the 3rd National Conference of INSPA November 2013, organized by NIEPMD, Chennai.
  - (l) Prof. R.N.Rai; invited to Chair the Scientific Session on “Psychology for Holistic Living in global World” in the 18th International Conference of Indian Academy of Applied Psychology in March 2014, organized by Smti. Laxmiben & Shree Chimanlal Mehta Arts College, Ahmadabad.
48. Give details of ‘beyond syllabus scholarly activities’ of the department: *Exposure trip to various training at Special Schools*
49. State whether the programme / department is accredited / graded by other agencies ? if yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- (a) The North-Eastern Hill University is the only University in North-Eastern Region has signed MOU with rehabilitation Council of India to implement need based Special Education Programmes through the Centre for Distance Education, and CDE has successfully introduced three programmes; a) B.ED-SEDE, b) PGPD-SEDE and c) FC-SEDE
  - (b) The Centre is the host Institution of IGNOU Study Centre and all Master Degree. Bachelor,



Diploma & Certificate programmes are being offered to students of different categories by the Centre.

- (c) The Centre is hosting IGNOU Study Centre and running all the Programmes of PG, UG, Diploma and Certificate Programmes.

51. Future Plans of the Centre: *To start M.Ed in Special Education.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department:

**Strengths:**

- The Centre for Distance Education is the only Centre has successfully introduced Special education Programmes in the North-Eastern region.
- The Centre has produced number of Special Educators.
- The Centre has been recognized by rehabilitation council of India to introduce Programmes in the area of disability through Distance Mode for the whole North-Eastern Region.

**Weaknesses:**

- More faculties is needed by the Centre and there is no sanctioned post for the same.
- Due to increase in enrolment of student there is lack of sufficient space.
- Since Centre is running Programmes in disability and there is no disabled friendly classrooms, and building.

**Opportunities:**

- Students are placed in SSA and as Special educator in various Schools.
- Students have opportunities to work with various disabilities.
- Students are provided opportunities to attend and get exposure to handle the persons with disability by the Centre and Study Centres.

**Challenges:**

- Since students enrolled in the Centre are from diverse subject backgrounds hence it is real
- Challenges for Centre and Study Centres.
- Some students who are differently abled to provide them facility and education is one of the biggest challenge for the Centre.
- Building of CDE should be disabled friendly.



### 3.9 Centre for Science Education

1. Name of Department : Centre for Science Education.
2. Year of establishment : 1983
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Education.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : -
5. Interdisciplinary courses and departments involved : -
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : (a) Department of Botany, Panjab University, Chandigarh, and  
(b) Department of Life Sciences, Manipur University, Imphal
7. Details of programmes / courses discontinued, if any, with reasons : -
8. Annual/ Semester/Choice Based Credit System : -
9. Participation of the department in the courses offered by other departments. : -
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors) :

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	-	-
Assistant Professor	1	-

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Man Mohan Singh	Ph.D.	Professor	Science Education	-	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. D. Bhattacharjee	Ph.D.	Professor	Mathematics (Number Theory)	36 year	-
Dr. M. S. Bisht	Ph.D.	Professor	Biological and Environmental Science	5 years	-
Dr. P. K. Patra	Ph.D.	Professor	Physics (Nano-Science)	-	-

Table 3.27: Faculty Profile of the Centre for Science Education.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: -
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: -
14. Programme-wise Student Teacher Ratio: -
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	1	-
LDC/ TA	-	-
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies:
  - (a) Organic garbage recycling for income generation.
  - (b) Bamboo shoot as a health food in NE India.
  - (c) Waste plastic embedded pine needle board.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	Prof. M. S. Bisht	DST, Delhi	5,61,000.00 + 3,00,000.00
-		DBT, Delhi	5,43,000.00
-		MoFPI, Delhi	7,95,000.00
<b>International</b>			
-	-	-	-

Table 3.28: Number of faculty with ongoing projects in the Centre for Science Education.





18. Inter-institutional collaborative projects and grants received  
(a) All India collaboration:

Name of Faculty	Funding Agency	Total Grants (in lakh ₹)
Prof. M. S. Bsiht (Collaboration with Prof. C. Nirmala, Department of Botany, Panjab University, Chandigarh)	-	₹7,95,000/-
Prof. M. S. Bsiht (Collaboration with Dr. Kananbala Sarangthem, Department of Life Sciences, Manipur University, Imphal and Prof. C. Nirmala, Department of Botany, Panjab University, Chandigarh)	-	-

- (b) International: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*.
20. Research facility / centre with Recognition:  
 State Recognition: *Nil*  
 National Recognition: *Nil*  
 International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	4	6	10
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	1	2	3
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	-
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.29: Detailed Publications of the Centre for Science Education.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*.



26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. D. Bhattacharjee	Mathematics and Statistics, Horizon Research Publishing Corporation, USA
<i>Any Other (Please specify)</i>	
Prof. M. S. Bisht	Member of the Technical Committee, 10th, World Bamboo Congress to be held at Damyang, South Korea, in Sep. 2015

Table 3.30: Faculty of the Centre for Science Education Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Nil*.

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: *Nil*

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Nil*.

32. Student profile course-wise:



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
-	-	-	-	-	-
-	-	-	-	-	-

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
-	-	-	-	-
-	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Nil.*

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	1	1	1	-
From other universities within the State	-	-	-	-
From universities from other States	3	3	2	-
From universities outside the country	-	-	1	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil.*

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	-
<i>Internet facilities for staff and students</i>	Available to staff
<i>Total number of class rooms</i>	1
<i>Class rooms with ICT facility</i>	-
<i>Students' laboratories</i>	-
<i>Research laboratories</i>	-



## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	3
2013-14	-	1

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Nil*.

## 42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

-

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

-

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

-

43. List the distinguished alumni of the department (maximum 10): *Nil*.44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Nil*.45. List the teaching methods adopted by the faculty for different programmes: *Nil*.46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Nil*.47. Highlight the participation of students and faculty in extension activities: The faculty is extending the research work carried in the lab to public in the form of workshops, skill development activities, etc.: *Nil*.48. Give details of “beyond syllabus scholarly activities” of the department: Workshops and lectures at different levels outside of the University. *Nil*.49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Nil*.

## 50. Briefly highlight the contributions of the department in generating new knowledge, basic or



applied:

- (a) The Centre has developed a simple technique of converting organic garbage into compost.
- (b) The Centre has developed a method of recycling the waste plastic for making bamboo boards.
- (c) The Centre is working on the nutritional value analysis of the neglected crops like bamboo for the promotion for use in daily diet in the region.

51. Future plans of the department:

- (a) Develop the curriculum and methods of learning and teaching for Science Education in the region,
- (b) Work on the aspects societal development and income generation using the local talent and resource.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Faculty from different disciplines.
- Active research work in Physics, Mathematical and Biological Sciences.
- Sufficient facilities and opportunities for research and other academic activities.
- Opportunities to work with an interdisciplinary approach.
- Well qualified faculty.

**Weaknesses:**

- Lack of proper departmental programme for which the Centre is established.
- Faculty not able to work in the area of Science Education.
- Lack of academic programmes on Science Education.
- Lack of supporting staff to run the Centre.
- Lack of coherence among the faculty.

**Opportunities:**

- Opportunity to develop a new discipline (Science Education) of research and education in the University.
- Develop new avenues for the people of the region for research and academics.
- To work on the problems associated with science and mathematical educations in schools and colleges.
- Opportunity to work on development of methods and materials for teaching and education on science and mathematics.
- To develop entrepreneur skills in science education and on the local resources.

**Challenges:**

- Difficult to start totally new discipline of research and education from the scratch.
- No proper direction from the University.
- Non-availability of professionals on the subject Science Education.
- Lack of interest and vision in the direction of developing the discipline,



Science Education.

- Difficult to get funds to do research in science education.



### 3.10 Department of Adult & Continuing Education

1. Name of Department : ADULT & CONTINUING EDUCATION
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Education
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) :
  - (i) PG in Adult & Continuing Education (CBCS),
  - (ii) PG Diploma Course in Adult & Continuing Education (CBCS),
  - (iii) Certificate Course in Disaster Management (CBCS Self Financing),
  - (iv) Certificate course in Research Methodology (CBCS -Self Financing Courses) April - September, and
  - (v) Ph.D.
5. Interdisciplinary courses and departments involved : Open Courses- Dept of Sociology, History, English, Education, Commerce, Economics, Cultural and Creative Studies, Environmental Studies
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Refresher Courses in Adult & Continuing Education under the theme "Life Long Learning and Life Skill Education, Disaster Management in collaboration with ASC, UGC, NEHU
7. Details of programmes / courses discontinued, if any, with reasons : PG Diploma Course in Adult & Continuing Education(CBCS), Certificate Course in Disaster Management (CBCS Self Financing), Certificate course in Research Methodology (CBCS - Self Financing Courses) April - September. The courses are discontinued due to transformation from Centre to Department and PG Courses in Adult & Continuing Education (CBCS) was started.
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : (i) Disaster Management offered by Department of Environmental Studies, NEHU,



- (ii) Educational system in a Comparative Perspective offered by the Department of Education, NEHU,
- (iii) Economics of Agriculture offered by Department of Economics, NEHU,
- (iv) Economy of North Eastern Region offered by Department of Economics, NEHU,
- (v) Development Administration offered by Department of Political Science, NEHU,
- (vi) Peasant Movements in India offered by Department of Sociology, NEHU,
- (vii) Urban Sociology offered by Department of Sociology, NEHU, and
- (viii) Ethnomusicology offered by Department of Cultural and Creative Studies, NEHU.

10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	Nil	1(CAS)
Associate Professor	2	2
Assistant Professor	5	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil.,etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. E. Jyrwa	M.A, Ph.D	Professor	National and International Perspective of Adult Education, Philosophy of Adult Education, Rural Dev., Research Methodology	25 years (Teaching) + 6 years (Non-Teaching) = 31 years	8
Dr. B. P. Sahu	MSW, Ph.D. (Kurukshetra)	Associate Professor	HRD, PMIR, Group Work in Adult Education	12 years	7





Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. J. Mawthoh	M.A., Ph.D. (NEHU)	Associate Professor	Environmental Education, Solid Waste Management	12 years (Teaching)+ 15 years (Non-Teaching) = 27 years	6
Dr. N. P. Goel	M.Sc. (Meerut), Ph.D. (NEHU), CPS (IIPS, Mumbai)	Assistant Professor	Research Methodology, Adolescence Education, Population Education	12 years (Teaching) + 25 years (Non-Teaching)= 37 years	3
Mrs. W. S. Myllemngap	M.A., M.Phil (NEHU)	Assistant Professor	Adult and Continuing Education, Social Policies and Social Legislation	12 years (Teaching) + 15 years (Non-Teaching) = 27 years	-
Ms. J. I. Rapphap	MSW (Bombay University)	Assistant Professor	Guidance and Counselling, Community Organisation and Community Development, Inclusive Education	12 years	-
Dr. E. Syngkon	M.A., Ph.D. (NEHU)	Assistant Professor	Women Education, Adult Psychology, Extension Education, Research Methodology	7 years 9 months	4
Ms. N. Shadani Devi	M.Sc. (NEHU)	Assistant Professor	Rural Development, Extension Education, Communication Methods	2 years 3 months	-

Table 3.31: Faculty Profile of the Department of Adult & Continuing Education.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:  
2009-10 Visiting Professors in the Department: Dr. Mishra from Ministry of Finance, Govt of India.



2010-11 Visiting Professors in the Department: Prof. M. C. Paul, Group of Adult Education, J.N.U. New Delhi, delivered a lecture on Adult Education and Contemporary Society on 28<sup>th</sup> September 2010 at DACE, NEHU.

2011-12 Invited visiting Professors from Aarhus University, Denmark to deliver lectures for students, faculty members and staff of the Department on:

- i. "From Policy to Practice: How do educators deal with competences?"
- ii. "The Paradigm is shifting in Europe: From education policies to learning policies" delivered by Prof. Soren Ehlers, on 23<sup>rd</sup> February, 2012.
- iii. "Comparative study as inspiration for lifelong learning" and
- iv. "Adult learning in the light of lifelong learning" delivered by Prof. Lis Hemmingsen, on 24<sup>th</sup> February, 2012 at DACE, NEHU.

13. Percentage of classes taken by temporary faculty-programme- wise information: NIL

14. Programme-wise Student Teacher Ratio:

Year	Programme-wise	Student Teacher Ratio
2009-10	(i) P.G. Diploma in Adult and Continuing Education	40:1
	(ii) P.G Certificate Course in Disaster Management	44:1
	(iii) P.G. Certificate Course in Research Methodology	4:1
	(iv) Certificate course in Basic Computer Literacy	80:1
	(v) Certificate course in C Programming	4:1
2010-11	(i) M.A in Adult & Continuing Education	30:1
	(ii) P.G. Diploma in Adult and Continuing Education	5:1
	(iii) Certificate course in Basic Computer Literacy	10:1
	(iv) Ph.D Course Work	10:1
2011-12	(i) M.A in Adult & Continuing Education	31:1
	(ii) Certificate course in Basic Computer Literacy	11:1
	(iii) Certificate course in C Programming	13:1
	(iv) Ph.D Course Work	2:1
2012-13	(i) M.A in Adult & Continuing Education	31:1
	(ii) Ph.D Course Work	4:1
2013-14	(i) M.A in Adult & Continuing Education	44:1
	(ii) Ph.D Course Work	10:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	0/3 (STA)	0/2(STA)
LDC/ TA	1 (LDC)/1(TA)	1 (LDC)/1(TA)
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies: Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received



project-wise:

Title of the project	Name of Faculty	Funding Agency	Total Grants (Rs. in lakhs)
National			
International			

18. Inter-institutional collaborative projects and grants received: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.  
UGC grant under Lifelong Learning and Extension Rs. 15 lakhs
20. Research facility / center with Recognition : State / National / International: Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	4	1	5
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	6	1	7
Edited Books	-	-	6
Books with ISBN with details of publishers	(i) NGO in Rural Development- ISBN: 978-93-82120-03-2 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(ii) Unorganised Coalmine Workers in Meghalaya- ISBN: 978-93-82120-15-5 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(iii) Teaching of Mathematics at Elementary Level- A Book for Teacher Educators- ISBN: 978-93-82120-12-4 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(iv) National Rural Health Mission in Meghalaya - A Study on Maternal and Child Care- ISBN: 978-93-82120-04-9 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(v) Social Work Intervention in Rural Development- ISBN:978-93-82120-16-2 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(vi) Menace of Population Pressure and Its Impact on Environment and Economy- ISBN:978-93-82120-34-6 Publisher: Lakshi Publishers & Distributors, New Delhi,		
	(vii) Human Resource Development For Tribals- ISBN:978-81-906622-6-0 Publisher: Lakshi Publishers & Distributors, New Delhi		
	(viii) Role of Education in Democratic Society- ISBN:978-93-8230-39-1 Publisher: Alfa Publication, New Delhi		
	(ix) Environmental Education – Knowledge and Attitude towards Environmental Protection- ISBN:978-3-8484-8801-8 Publisher:		



	National	International	Total
	LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str.6-8,66121 Saarbrücken, Germany		
<b>Number listed in International Database</b>			
Citation Index - range/average			
SNIP	NA		
SJR	NA		
Impact Factor - range / average	0.25- 3.9 (range)		
h-index			

Table 3.32: Detailed Publications of the Department of Adult & Continuing Education.

23. Details of patents and income generated:

- (a) Certificate Course in Disaster Management (CBCS Self Financing) - ₹1,32,000/-
- (b) Certificate course in Research Methodology (CBCS -Self Financing Courses) - ₹12,000/-, and
- (c) E-learning - ₹75,600/-.

24. Areas of consultancy and income generated:

2010-11 The Department of Adult and Continuing Education have collaborated programmes at the State level with the Social Welfare Department, Govt. Of Meghalaya, Women Cell, NEHU, and ASC, NEHU. DACE also collaborates with formal agencies like, Bethel Academy, Baghmara, Impluse NGO Network and Women Organisation,

2011-12 The Department collaborated on academic activities with UGC-ASC, NEHU, with Jetwings Institute of Air Hostess Training on Vocational Career Oriented Courses, with Don Bosco Technical School and Steel Fabrication work, Shillong on Human Resource Management and with Women Organization on Skills Training programme.

25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: Nil

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of Faculty	Name of Committee
<b>National Committees</b>	
Prof.(Ms) E. Jyrwa	UGC Expert Committee Member on Adult, Continuing and Extension Education during the XI Plan
<i>International Committees</i>	
	-
<i>Editorial Boards</i>	
Dr. B.P.Sahu	Board Member of Learning Committee
<i>Any Other (Please specify)</i>	
	-

Table 3.33: Faculty of the Deptt. of Adult & Conti. Edn. Serving in Committees



27. Faculty recharging strategies: *As per UGC and NEHU Guidelines and Norms.*

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by:

<i>Faculty</i>					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. (Ms) E. Jyrwa	-	-	-	Tagore Literacy Award	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

Table 3.34: Awards/recognitions of Faculties of the Department of Adult & Continuing Education.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National Workshop on Revision of M.A.Syllabus in Adult and Continuing Education on 3rd and 4th October 2012	UGC Grant in Aid under the Scheme of Life Long Learning and Extension ₹73,950/-	(a) Prof. M. C. Reddeppa Reddy, Department of Adult and Continuing Education, Sri.Venkataswara University, Tirupati, (b) Dr.M.V.Lakshmi Reddy, Associate Professor, School of Education, IGNOU, (c) Dr.Rajesh, Head Department of Adult, Continuing and Extension Education, University of Delhi.
<i>International</i>		
International Seminar of Lifelong Learning and skill development on 17th and 18th October 2011	(a) UGC(XI Plan) ₹54,076/-, (b) ICSSR ₹50,000/-, and (c) NEHU ₹50,000/-	(a) Prof. S. Ehlers, Aarhas University, Denmark, (b) Prof. L. Hemmingson, Aarhas University, Denmark.

31. Code of ethics for research followed by the Department/ Centre:

- Statutory provisions under Biodiversity Act, Wildlife Protection Act, and for maintaining professional ethics are strictly followed.
- Disciplinary Committee at departmental level is in place.



## 32. Student profile course-wise:

Name and Batch of the Course	Applications Received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 PG Diploma in ACE	71	4	36	50%(2)	61.11%(22)
PG Certificate in DM	74	10	34	60%(6)	76.47%(26)
PhD	15	1	6	-	-
2010-11 MA	174	4	26	50%(2)	73.07%(19)
2011-12 MA	104	10	21	40%(4)	66.66%(14)
2012-13 MA	112	9	22	88.88%(8)	54.54%(12)
2013-14 MA	145	5	35	Still Continuing in 3 <sup>rd</sup> Semester	Still Continuing in 3 <sup>rd</sup> Semester

Started M.A. Programme from 2010 onwards.

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 PG Diploma in ACE	Capacity: 40 92.5%(37)	-	7.5%(3)	-
PG Certificate in DM	Capacity: 45 84.44%(38)	-	13.33%(6)	-
PhD	Capacity: 7 57.14(4)	-	42.85%(3)	-
2010-11 MA	Capacity: 30 100%(30)	-	-	-
2011-12 MA	Capacity: 40 85.71%(30)	-	2.85% (1)	-
2012-13 MA	Capacity: 40 85.71%(30)	-	2.85% (1)	-
2013-14 MA	Capacity: 40 97.5%(39)	-	2.5% (1)	-

Started M.A. Programme from 2010 onwards.



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Name of the Batch and Course	Civil Services examinations	Defense Services examinations	NET	SET	GATE
MA/MSc 2010-12	-	-	7	-	-
MA/MSc 2011-13	-	-	2	-	-
MA/MSc 2012-14	-	-	-	-	-
MA/MSc 2013-15	1 (Cleared Prelims MPS)	-	1	-	-

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	2010-2012 Batch 14.28% (3) Admitted to Ph.D out of 21 who cleared M.A in ACE
	2011-2013 Batch 5.55% (1) Admitted to Ph.D out of 18 enrolled who cleared MA in ACE
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	2009-2010 Batch 75% (18) Employed out of 24 who cleared PGD in ACE,
	2009-2010 Batch 62.5 % (20) Employed out of 32 who cleared PG Certificate in DM,
	2010-2012 Batch 71.42% (15) Employed out of 21 who cleared MA in ACE,
	2011-2013 Batch 33.33% (6) Employed out of 18 who cleared MA in ACE, and
	2012-2014 Batch 5 % (1) Voluntary Teacher out of 20 who cleared MA in ACE.
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates of the same university	UG	PG	Ph. D.	Others
of the same university	75%	62.50%	50%	-
from other universities within the State	-	-	-	-
from universities from other States	25%	37.50%	12.50%	-
from universities outside the country	-	-	-	-
Yet to complete their Ph.D.			37.50%	
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*None.*



38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Books (150 nos.), Journals \& Newsletter (84 nos.)
<i>Internet facilities for staff and students</i>	Available
<i>Total number of class rooms</i>	3 classrooms
<i>Class rooms with ICT facility</i>	3 classrooms
<i>Students' laboratories</i>	1 E-learning room (19 computer sets) with internet facility
<i>Research laboratories</i>	Nil

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	5	3
2010-11	1	3
2011-12	-	2
2012-13	4	1
2013-14	4	5

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	3	1	2	1

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Yes, for Revision of M.A. Syllabus. Departmental Meeting followed by Workshop (Workshop on 'Revision of M.A. Syllabus' from 3<sup>rd</sup>-4<sup>th</sup> October 2012).*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Through Departmental Meeting the matter regarding teaching-learning-evaluation is discussed.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Through students feedback.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*NA.*

43. List the distinguished alumni of the department (maximum 10):

i. India's Got Talent – Employermen Kharumlong reached the Semi-Final.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:





- 2010-11
- i. Field trip to Diengpasoh on 11th December, 2010 - Dr. J.Mawthoh and Mrs.W.S. Myllemngap are teachers' in-charge of the field trip.
  - ii. Extension lecture on Adult Education and Contemporary Society on 28th September 2010, by Prof M.C.Paul, Group of Adult Education, J.N.U New Delhi at DACE, NEHU organized by Prof. E.Jyrwa.
  - iii. State Level Seminar on "Legal Rights of Tribal Women in North- Eastern Region of India" on 18th March 2011 organized by Dr. J. Mawthoh, DACE in collaboration with Women Cell, NEHU and sponsored by National Commission for Women, New Delhi at Shillong Science Centre, NEHU, Shillong.
- 2011-12
- i. International Seminar on "Lifelong Learning and Skills Development" from 17th to 18th October, 2011 at Multi-Use Convention Centre, NEHU, Shillong sponsored by UGC, ICSSR-NERC and NEHU.Seminar Director, Prof E. Jyrwa and Assistant Coordinators, Dr. N.P.Goel and Dr. (Mrs) E.Syngkon.
  - ii. Workshop on Research Methodology and Statistical Analysis Wing SPSS from 12th to 16th March, 2012 at E-Learning, DACE, NEHU for PG Students and Research Scholars of the Department. Incharge of the Programme - Dr. N.P. Goel.
  - iii. Short Term Course on Disaster Management I from 7th to 9th February, 2012 in collaboration with the UGC-Academic Staff College, NEHU, at UGC-ASC NEHU, Shillong for Community Based Organizations, NGOs, College Teachers affiliated to NEHU, Student communities and Staffs of NEHU, Shillong. Course Co-ordinator - Ms. J. I. Raptap.
  - iv. Professors from Aarhus University, Denmark to deliver lectures for students, faculty members and staff of the Department on: (i)"From Policy to Practice: How do educators deal with competences?"(ii) "The Paradigm is shifting in Europe: From education policies to learning policies" delivered by Prof. Soren Ehlers, on 23rd February, 2012 (iii) "Comparative study as inspiration for lifelong learning" and (iv) "Adult learning in the light of lifelong learning" delivered by Prof. LisHemmingsen, on 24th February, 2012 at DACE, NEHU. Organized by Prof E. Jyrwa.
- 2012-13
- i. Field trip to Indian Council of Agricultural Research (ICAR), Umiam on 17th May, 2013 under the supervision of Ms. N. Shadani Devi.
45. List the teaching methods adopted by the faculty for different programmes: *Lecture method, Discussion method, field visits, study tours and ICT.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- (a) As per the syllabus revised every three years.
  - (b) Work load as allotted in according to the university norms.
  - (c) Time table strictly followed by the faculty members.
  - (d) Internal and external evaluation.



- (e) Paper setting, modification, invigilation, tabulation and verification of tabulation sheets.
  - (f) Admission.
47. Highlight the participation of students and faculty in extension activities: Extension Activities organized by the Faculty of the Department:
- 2009-2010 a). Dr. B. P. Sahu delivered
- i. A lecture on "Orissa Super Cyclone Disaster: A case study" on 8th September 2009 in the "Training Programme on Hazard Specific- Cyclone Risk Mitigation & Management" for Officers of differed Line Departments of State Government organized by Meghalaya Administrative Training Institute & NIDM,
  - ii. A lecture on "Role of Civil Engineers in D Management" on 3rd August 2009 in the "Training Programme on Disaster Management" for Junior Engineers of the State Govt. organized by Meghalaya Administrative Training Institute, Shillong,
  - iii. Lectures on 'Human Resource Management', 'Introduction to Organizational Behaviour , Approaches to Organizational Behaviour (Cognitive, Behaviouristic, Social Learning and Organisational Behaviour conceptual Framework)', 'Contemporary Human resource management Tools, Individual, Behaviour-Components, Biographical and Biological Characteristics', 'Nature and importance of Perception' 'Meaning of Personality, Development of Personality, Development and major determinants of Personality' in the "Special course on Human Res: Development, Organisational Behaviour, Leadership and Motivation" for SOs to Sr. AOs (Audit and Accounts) held at Regional Training Institute, Shillong from 15- 20 February 2010, and
  - iv. Two lectures on "Life Skill Education" and "Development of personality" in the "Training programme on Life Skill Education and Training" held at Nehru Yuva Kendra, Nongstoin organized by District Youth Co-ordinator, NYK, Nongstoin from 22nd - 26th March 2010.
- b). Dr. J. Mawthoh
- i. Organized and participated in the Review meeting, NSS Programme Officers on 10th May 2009 at Women's College, Shillong collaboration with NSS Cell, NEHU,
  - ii. Organized Seminar on "Environmental Conservation in Northeast India" on 5th June 2009 at Raitong Building, Shillong: in collaboration with NSS & NEICSSR,
  - iii. Delivered motivational talk on "Role of youth in society" on 30th July 2009 at Thomas Jones College and on 7th Aug. 2009 at Sankardev College,
  - iv. Delivered a talk on "School Disaster Management Plan" on 27th August 2009 at MATI in collaboration with Govt Meghalaya, MATI,
  - v. Organized a Free Medical Health camp on 4th September 2009 at Mawlyn-



- gngad in collaboration with Presbyterian Church, Mawlyngad,
- vi. Delivered a talk on "Participation of youth in connection with National Voluntary Blood Donation Day" on 1st October 2009 at Pasteur Institute in collaboration with MACS & State Blood Transfusion Council,
  - vii. Delivered a lecture on "Cultural Heritage of Northeast" at the Northeast Youth Convention from the 8th - 10th October 2009 at Kohima, Nagaland in collaboration with Ministry of Youth Affairs & Sports, Govt. of India,
  - viii. Delivered a lecture on "School safety plan" in connection with training programme on Disaster Management from the 19th -23rd October 2009 at DBYC in collaboration with UNDP,
  - ix. Organized and participated in the "Review meeting of NSS Programme Officers" on the 24th October 2009 at Tura, Garo Hills in collaboration with NSS Cell, NEHU,
  - x. Organized "Health Camp" on 7th November 2009 at Nongpyrdet in collaboration with Synjuk Seng Samla Shnong,
  - xi. Delivered a lecture on "Rescue, Relief and Rehabilitation on Disaster Management" on 11th November 2009 at Meghalaya Administrative Training Institute, Govt. of Meghalaya in collaboration with UNDP,
  - xii. Organized and participated in the "Training on Social Harmony and National Unity" from 12th - 16th November 2009 at NEHU in collaboration with Rajiv Gandhi National Institute of Youth Development,
  - xiii. Delivered a motivational lecture on "Youth and Personality Development" on NYKS Foundation Day cum District Youth Convention on the 14th November 2009 at Youth Centre, NYK in collaboration with Nehru Yuva Kendra,
  - xiv. Delivered a lecture on "Youth and Personality Development" on 12th December 2009 at Golflinks Community Hall in collaboration with Synjuk Seng Samla Shnong,
  - xv. Delivered a motivational talk on the "Role of youth as change Agents" in connection with the State Level National Integration camp on 11th February 2010 at Youth Hostel in collaboration with Nehru Yuva Kendra, and
  - xvi. Delivered a talk on the "Importance of Computer education" on 13th February 2010 at Umphyrnai, S.I Computer Institute in collaboration with S.J.C.I, Umphyrnai.
- c). W. S. Myllemngap delivered
- i. A lecture on "Gender dimension in Disaster Management" on 27th May 2009 in a Training Programme of Block Nodal Officers in Disaster Risk Management organized by Meghalaya Administrative Training Institute, Shillong,
  - ii. Two lectures on "Working in and with the community and Strategy for winning their support and co-operation" on 3rd Aug 2009 in a Training of



- Field functionaries organized by World Vision India, East Khasi Hills ADP,
- iii. A lecture on "Rights of Women" on 8th Mar 2010 organized by World Vision in Observance of International Women's Day in Jatah, Lakadong, Mawkynew Block, EKH District, and
  - iv. Two lectures on "Peer Pressure" on 5th Dec 2009 in a Counseling Programme for Teenagers organized by Seng Samla Nongthymmai, Shillong.
- d). Dr. N. P. Goel delivered five lectures on the topics 'Summary Statistic using SPSS', 'Canonical Correlation', 'Factors Analysis using SPSS', 'Theory and Applications of Cluster Analysis' and 'Cluster Analysis using SPSS resource person in the "Capacity Building in Social Science Research Training Course" on SPSS organized by ICSSR - NERC, Shillong during 4th December 2009. 2 lectures on Basic Computer operations-power point and excel worksheet to the participants of Refresher Courses in Political Science, NEHU during 15-16 September 2009 and another 2 lectures on Use of Computer by English teachers on 12 March 2010 to participants of Refresher Course organised by ASC, NEHU, another 5 lectures on Computer application and Research Methodology.
  - e). J. I. Rapphap delivered four lectures on the topics 'Concept & Meaning Trauma, Duration and severity of trauma and factors affecting severity Trauma', 'Levels of Victimization', 'Healing Process-Cognitive stage, Emotion stage, Managing Anger, Empowerment stage' and 'Concept of Counselling Techniques & Method of Counselling & Group work' in a Training on Trauma Counselling on Disaster Risk Management organized by District Administrator East Khasi Hills District, Shillong on 10-11 December 2009.
- 2010-11
- a). Extension Programme on Resource Management Programme on Environment and Rural Livelihood from 7th - 9th March, 2010 at Bethel Academy, Baghmara, South Garo Hills, Meghalaya organized by Dr. B.P.Sahu, in collaboration with Bethel Academy, Baghmara.
  - b). Leadership Training Programme for Women SHG members from 7th -11th March 2011 at Bosco Reach Out Hall Nongthymmai, Shillong organized by Ms. J.I.Rapphap, in collaboration with Bosco Reach Out.
  - c). Extension Programme on Resource Management on Conservation and Protection of Forests from 10th - 12th March, 2010 at Bethel Academy, Baghmara, South Garo Hills, Meghalaya organized by Dr. B.P.Sahu, in collaboration with Bethel Academy, Baghmara.
  - d). Training on NGO Management from 14th -15th March 2011 at UNODC, Sympli Building, Shillong organized by Dr. J.Mawthoh, in collaboration with Impluse NGO Network.
  - e). Training on Project Formulation, Management, Monitoring and Evaluation from 16th-17th March 2011 at UNODC, Sympli Building, Shillong organized by Dr. J.Mawthoh, in collaboration with Impluse NGO Network.
  - f). Training on Area and Strategies of intervention from 18th-19th March 2011 at



- UNODC, Sympli Building, Shillong organized by Dr. J.Mawthoh, in collaboration with Impluse NGO Network.
- g). Extension Programme for Women Empowerment on Improving Quality of Life for Rural Women from 19th - 22nd March, 2011 at Community Hall, Mawkyrwat, West Khasi Hills, Meghalaya organized by Dr. (Mrs) E.Syngkon, in collaboration with Seng Kynthei, Mawkyrwat.
  - h). Three Days Workshop on Problems of School Dropouts from 21st - 23rd March, 2011 at Conference Hall, Bakdil, Lower Chandmari, Tura organized by Dr. N.P.Goel.
  - i). Training of CBOs and NGOs from 23rd - 25th March 2011 at MLTC Social Welfare Department, Govt. of Meghalaya, Laitumkhrah, Shillong organized by Ms. J.I.Rapthap, in collaboration with Bosco Reach Out.
  - j). Three Days Workshop on Problems of Street Children from 29th - 31st March, 2011 at Punjabi Line, Bara Bazar Shillong Shillong organized by Dr. N.P.Goel.
  - k). One week vocational training programme on Beauty Care from 29th March - 2nd April 2011 at Youth Hostel, Shillong organized by Ms. W.S. Myllemngap.
- 2011-2012
- a). Vocational Training Programme on Tourism Hospitality from 15th to 25th July, 2011 in DACE, NEHU for M.A. and P.G.Diploma Students of the Department. IndrajitDutta, Tourism Hospitality Trainer, Jetwings Institute of Air Hostess Training acted as the Resource person. Incharge of the Programme - Prof E. Jyrwa.
  - b). Certificate Course in Motor Mechanics from 1st to 15th July, 2011 at Don Bosco Technical School, Shillong to further train the trained mechanics. Incharge of the Programme - Dr. B. P. Sahu.
  - c). Certificate Course on Hair and Skin Care (under Vocational Career Oriented Course) from 21st to 23rd March, 2012 at Youth Hostel for unemployed youth and Mrs. Karen Nongsiej acted as the resource person. Incharge of the Programme - Mrs. W. Myllemngap of Shillong.
  - d). Short Term Course on Disaster Management I from 7th to 9th February, 2012 in collaboration with the UGC-Academic Staff College, NEHU, at UGC-ASC NEHU, Shillong for Community Based Organizations, NGOs, College Teachers affiliated to NEHU, Student communities and Staffs of NEHU, Shillong. Course Co-ordinator - Ms. J. I. Rapthap.
  - e). One Month Certificate Course on Tailoring (under Vocational Career Oriented Courses) from 20th June 2011 to 20th July 2011 at Pohkse Training Centre, Shillong, for unemployed, non student and out of school youth. Incharge of the Programme - Dr. (Mrs.) E. Syngkon.
  - f). One Month Certificate Course on Embroidery (under Vocational Career Oriented Courses) from 20th June 2011 to 20th July 2011 at Pohkse Training Centre, Shillong for unemployed, non student and out of school youth. Incharge of the Programme - Dr. (Mrs.) E. Syngkon.



- g). Skills Training Programme on Steel Fabrication (under Human Resource Management) from 22nd to 27th March, 2012 at B. Sawkmie Steel Fabrication Work, for unemployed and out of school youth. Incharge of the Programme -Dr. (Mrs.) E. Syngkon.
48. Give details of “beyond syllabus scholarly activities” of the department: *Exposure trip to various training, workshop, Institutions of relevant study.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Certificate course in Basic Computer Literacy. (3 Months),
  - Certificate course in C Programming (3 Months),
  - Certificate course in Computer Application (3 Months),
  - Refresher Courses,
  - Certificate course in Research Methodology (CBCS -Self Financing Courses) April – September,
  - Workshop on Research Methodology and Statistical Analysis Wing SPSS from 12th to 16th March, 2012 at E-Learning, DACE, NEHU for PG Students and Research Scholars of the Department. Incharge of the Programme - Dr. N.P. Goel.
51. Future plans of the department: *To start UG courses in those colleges affiliated to the University.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department:
- Strengths:**
- The department has gained strength after it was converted from centre to department status.
  - Enrolment of P.G and Ph.D Students has increased,
  - The department have also produced numbers of Doctor of Philosophy,
  - It is one of the department among other three departments in the whole of the country with high enrolment of students.
  - Since the department is multidisciplinary in nature, teaching faculty are also from diverse backgrounds.
- Weaknesses:**
- More Professors is needed by the department and there is no sanctioned post for that.
  - Due to increase in enrolment of student there is lack of sufficient space.
  - Lack of financial assistance for carrying out extension activities.
  - UDC/SO is needed for smooth functioning of the administrative affairs as the faculty are over burden with admission, preparation of classes, supervising, student adviser for open course, paper setting, moderating and tabulation work.



- One common room required for students.

**Opportunities:**

- Students are placed in various governmental and non-governmental organizations.
- The department was one of the three in the whole country shortlisted for National Literacy Mission Award.
- Students were given opportunity to attend and get exposure to various skill and extension programme conducted by the department.
- Students were provided opportunity to attend and received certificates in Disaster Management Courses and other courses offered by the department.
- Students were provided opportunities to go for study tour.

**Challenges:**

- Since students enrolled in the department are from diverse honours subject backgrounds hence the faculty find it a real challenge.
- Since there is no UG course in this subject hence it is also a challenge for the department.
- Lack of opportunities for students passing out from the department for admission to Ph.D programmes.
- Teachers are not trained with sign language/Braille since the Right To Education (RTE, Act 2009) has clearly specified not to deny admission to any students with special needs.
- Classroom should also be disabled friendly.





### 3.11 Department of Education

1. Name of Department : EDUCATION
2. Year of establishment : 1976
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Education
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.A. (Education), M. Ed., & Ph.D.
5. Interdisciplinary courses and departments involved : Open courses under Choice Based Credit System Departments of Commerce, History, Department of Adult Continuing Education (DACE), Sociology and Political Science Science
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. School of Education Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Semester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : NA
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	4	3
Associate Professor	6	2
Assistant Professor	7	6

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):





Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
P. K. Gupta	M.Sc.(Chy); M.Ed.; M.Phil.; Ph.D.	Professor	Experimental Education, Research Methods & Statistics, Science & Mathematics Teaching, Economics of Education & Philosophy of Education	34	8
S. M. Sungoh	M.A.; M.Phil.; Ph.D.	Professor	Teacher Education, Teaching at Tertiary Level, Measurement & Evaluation, Educational Psychology, Guidance & Counseling, Research Methodology	18	13
C. Nongbri	M.A. (Pol. Sc); M.Ed.; Ph.D.	Professor	Educational Management and Change, Curriculum Development and Instruction, System of Teacher Education in India and Educational System in India	18	7



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
Ibadani Syiem	MA; Ph.D.	Associate Professor	Psychology of Education, , Early Childhood Education, Guidance and Counseling, Environmental Education, Mental Health Education	8	8
B. B. K. Rymbai	MA; Ph.D.	Associate Professor	Educational Technology, Philosophy of Education, Sociology of Education, Curriculum Development, Educational Testing & Evaluation, Higher Education, Economics of Education	7.6	12
Yodida Bhutia	MA (Eng. Litt.); M.Ed.; MA (Edu), Ph.D	Assistant Professor	Mental Health Education, Educational Technology, Special Education Educational Testing and Evaluation and Research Methodology in Education.	5.8	5
Rihunlang Rymbai	M.Sc.(Chy); M.Ed(NEHU)	Assistant Professor	Teacher Education, Science Education, Methods of Teaching, Environmental Education	2.6	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Ashok Kumar	M.A.(Psycho) M.Ed, M.Phil (Edu), M.Sc.(Anthro) Ph.D (Andhra) M.A. English (Dr.B.R .A.O.U.,) M.Sc. Zoology (Achrya Nagarjuna)	Assistant Professor	Educational Psychology, Sociology of Education, Educational Testing	2.6	3
Vandana	M.A. English, (Purvanchal), M. Ed, Ph.D (BHU)	Assistant Professor	Research Method in Education, Sociology of Education, Teaching Pedagogy: Languages (English, Hindi)	2.5	2
Euodia B. Myrthong	M.A.Edn. (NEHU)	Assistant Professor	Educational Psychology, Guidance & Counselling, Educational Research	1.8	-
Naraginti Amareswaran	M.A.(Philosophy); M.Ed.; Ph.D (Sri Venkateswara)	Assistant Professor	Value Education, Educational Philosophy, Educational Technology, ICT in Education	1.8	3

Table 3.35: Faculty Profile of the Department of Education.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *NA*
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: 100%
14. Programme-wise Student Teacher Ratio: *10:1 (Approx.)*



15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	1	1
LDC/ TA	-	-
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies: *System of Education in the North East; Correlates of Achievement; Test Construction and Standardization; Mental Health Education and Economics of Education*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Prof. C. Nongbri	MHRD, New Delhi	9.60
	Prof. S.M. Sungoh	MHRD, New Delhi	3.60
	Dr. I. Syiem	UGC, New Delhi	1.20
	Dr. Y. Bhutia	ICSSR, New Delhi	6.00
<b>International</b>			
-	-	-	-

Table 3.36: Number of faculty with ongoing projects in the Department of Education.

18. Inter-institutional collaborative projects and grants received
- (a) All India collaboration: *Nil*
- (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*
20. Research facility / center with Recognition: State / National / International:
- State Recognition : *Nil*.
- National Recognition : *Nil*.
- International : *Nil*.
21. Special research laboratories sponsored by / created by industry or corporate bodies: *NA*



## 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	30	3	33
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	73	2	75
Edited Books	-	-	-
Books with ISBN with details of publishers	i). Kharbiryumbai, B.B.(Ed) ICT in Education, EBH Publishers, Pan Bazaar, Guwahati-781001 ISBN - 9789380261911 ii). Nongbri, C. & Kharbiryumbai, B.B (Editors) Education in the North East : Status and Perspective, EBH Publishers, Pan Bazaar, Guwahati-781001, ISBN -9789383252596 iii). Kharbiryumbai, B.B.(Ed), Globalization and Higher Education, EBH Publishers, Pan Bazaar, Guwahati-781001, ISBN-9789380261515 iv). Bhutia, Y. (2012). Higher Education. APH Publishing Coporation, Darya Ganj, New Delhi. ISBN 978-81-313-1576-7 v). Bhutia, Y. (2014). Teacher's professional Development Scale. National Psychological association, Kacheri Ghat, Agra. ISBN 978-93-83398-18-8		
<b>Number listed in International Database</b>			
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	0.25- 3.9 (range)		
h-index	-		

Table 3.37: Detailed Publications of the Department of Education.

23. Details of patents and income generated: *Nil*24. Areas of consultancy and income generated: *NA*25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. P.K. Gupta	Member , NAAC
Prof. S.M. Sungoh	Member, NAAC, NCTE, NERC
<i>International Committees</i>	



Name of Faculty	Name of Committee
-	-
Editorial Boards	
P.K. Gupta, S.M. Sungoh, C. Nongbri, I. Syiem, B.B.Kharbiryumbai, Y.Bhutia, R.Rymbai	Editorial Board, Education in the North East, A peered review Journal of North East India Education Society.
Dr I. Syiem,	Editorial Board Inter Views An Interdisciplinary Journal in Social Science.
<i>Any Other (Please specify)</i>	
-	-

Table 3.38: Faculty of the Department of Education Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: -

28. Students' Projects: NA

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. B.B.K. Rymbai	-	-	-	1	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Transforming Teacher Education in the N.E. Region of India	ICSSR, New Delhi ₹ 2.00 lakh & ₹ 1.00 lakh from ICSSR, NERC, Shillong	75
'Status of Education in the North-Eastern Region'	ICSSR, New Delhi ₹ 2.00 lakhs	152
ICT in Education	ICSSR Shillong & Govt. of Meghalaya ₹ 0.70 lakh	88
'Planning and Financing Education for National Development with special reference to N.E India'	ICSSR, New Delhi ₹ 2.00 lakhs	65



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Research Methodology Course in Social Sciences	ICSSR, New Delhi ₹ 5.50 lakhs	30
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
M.A.	183	3	45	3(100%)	45(100%)
M.Ed	74	6	17	6(100%)	16(94.11%)
Ph.D.					
2010-11					
M.A.	200	4	44	4(100%)	43(97.72%)
M.Ed	44	2	18	2(100%)	18(100%)
Ph.D.					
2011-12					
M.A.	151	-	48	-	45(93.75%)
M.Ed	61	10	10	10(100%)	10(100%)
Ph.D.					
2012-13					
M.A.	224	3	45	3(100%)	44(99.5%)
M.Ed	60	6	17	6(100)	17(100%)
Ph.D.					
2013-14					
M.A.	193	3	44	3(100%)	44(100%)
M.Ed	71	4	19	3(100%)	19(100%)
Ph.D.					

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
M.A.	85.50		14.50	
M.Ed.	100		-	
Ph.D.				
2010-11				
M.A.	75		25	
M.Ed.	100		-	
Ph.D.				



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011-12				
M.A.	79		21	
M.Ed.	100		-	
Ph.D.				
2012-13				
M.A.	79		21	
M.Ed.	100		-	
Ph.D.				
2013-14				
M.A.	83		17	
M.Ed.	100		-	
Ph.D.				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

*Civil Services:* 3(Three) Nos.,

*NET:* 57(Fifty seven) students from Education Department have cleared NET in lectureship and six(6) in NET Junior Research Fellowship during the period under assessment.

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG/ M.Phil. to Ph.D.	10%
Ph.D. to Post Doctoral	NA
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	NA
<input type="checkbox"/> Others	80%
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	54.50%	54.50%	64%	-
From other universities within the State	-	-	-	-
From universities from other States	45.50%	45.50%	36%	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 1(one)

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	NA
<i>Internet facilities for staff and students</i>	Yes





Total number of class rooms	3
Class rooms with ICT facility	NA
Students' laboratories	1
Research laboratories	NA

39. List of doctoral students post graduate students and Research Associates:

Year	From the host University	From Other Universities
2009-10	3	-
2010-11	4	-
2011-12	4	-
2012-13	10	3
2013-14	8	5

40. Number of post graduate students getting financial assistance from the University: NA

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, the feedback is discussed in the Faculty meeting for improvement of the Curriculum as well as teaching learning evaluation.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, the students' feedback is made known to the Faculty to improve teaching and learning and evaluation in the Department.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Yes, it is under process.*

43. List the distinguished alumni of the department (maximum 10):

- i. Mrs J. Pakyntein, MCS, Dy Secretary, Government of Meghalaya,
- ii. Shri Peter Dkhar, MCS., Dy. Commissioner, West Jaintia Hills District,
- iii. Albert Longley Dkhar, Principal, St. Anthony's College, Shillong,
- iv. Dr. Mrs V. Kharmawphlang, Principal, PGT College, Shillong,
- v. Dr. C. Wallang, Principal, SMCTE,
- vi. Mrs. D. Suja, MCS, ADC. East Khasi Hills District,
- vii. Dr. Mrs. F. G. Dkhar, Asso Prof. NCERT, NERIE,
- viii. Dr. Mrs. Sangeeta Angom, Asso. Prof. NUEPA,



- ix. Dr. Mrs. B. Dkhar, NCERT, NERIE,  
x. Dr. Ms. B. Kharlukhi, NCERT, NERIE
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Two Day Hand-On Workshop on Enhancement of Life Skills of Students in October, 18-19, 2011, Mark Kinney, Professor Emeritus, University of Toledo, USA and Nancy Kinney, USA were the facilitators for the Workshop.*
45. List the teaching methods adopted by the faculty for different programmes: *Seminar, Lecture, Demonstrations, Group Discussion, integration of ICT in teaching, Interactive Session and Group Collaboration.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Regular in built monitoring was done through follow up study to ensure that learning outcomes are monitored.*
47. Highlight the participation of students and faculty in extension activities: *Refresher Course for Teacher Educators in the state, Monitoring Sarva Shiksha Abhiyan, Rashtriya Madhyamik Shiksha Abhiyan.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Work in Collaboration with MHRD, NCERT, NUEPA, the North-East Regional Institute of Education, College of Teacher Education, Directorate of Educational Research & Training, District Institute of Education and Training, UGC Academic Staff College, NEHU, IGNOU Regional Centres and NEIES.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Projects and different researches are being conducted in the Department.*
51. Future plans of the department: *The Department will make all out efforts to start Integrated Teacher Education Programme if and when a separate accommodation for Education Department is provided which is under consideration by the University.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Research: Research expertise among faculty in different areas. Research findings in the field of education form as policy for Government.
  - Extension Activities-Consultancy for State Government, Universities and Colleges in the North East.
  - Test Construction and Standardization.
  - Teacher Education programmes (M.Ed) for enhancement of the competencies of teacher educators in the States of North East.
  - Psychological laboratory for Experimentation and Test.



**Weaknesses:**

- Lack of infrastructural activities for the smooth conduct of programmes in the Department, i.e M.A, Education, M.Ed and Ph.D. A separate accommodation for Education Department is under consideration by the University.

**Opportunities:**

- Provision of higher and professional courses. Through the Teacher Education programmes the back logs of un-trained Teacher Educators/Teachers in the state are being addressed. Research areas and support for Faculty and Research Scholars.

**Challenges:**

- Inadequate human resource and lack of physical resource.



### 3.12 Department of Education (Tura)

1. Name of Department : EDUCATION (Tura Campus)
2. Year of establishment : 2001
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Education
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.A. (Education), & Ph.D.(Education)
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Colleges of Teacher Education, Meghalaya
7. School of Education Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Refresher Courses, Orientation Programmes, Capacity Building Programmes, Training/Workshops/ Internationals/ National Seminar and Conference, Capacity Development Programmes offered by other Departments and Government Agencies; Short-term Training courses of different Government / Semi-Government Organisations etc.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	3	2
Assistant Professor	4	2

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Nikme S. C. Momin	MA & PhD (NEHU)	Associate Professor	Value Education, Educational Psychology & Environmental Education	13	7
Dr. B. C. Das	MA (Utkal); MPhil(DAV) & PhD(BHU)	Associate Professor	Educational Technology, Teacher Education, Research Methodology	25	2
Dr. S. C. Subudhi	MA; MPhil & PhD(Kurukshetra University)	Assistant Professor	Research Methodology & Statistics, Special Education	13	6
Dr. J. V. Madhusudan	MEd; MPhil & PhD (Gulbarga University)	Assistant Professor	Sociology of Education, Early Childhood Education	13	6

Table 3.39: Faculty Profile of the Department of Education (Tura Campus).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*

13. Percentage of classes taken by temporary faculty-programme- wise information:

*Guest Lecturers:*

Year	Name of Guest Lecturers	Subject Taken
2009-10	Ms.MeullerB.M.Sangma	EDNC-404.01, EDNC-404.03
	Ms.TillaVinter B Marak	EDNC-404.01, EDNC-403.01
2010-11	Ms. Kanika Das	EDNC-402, EDNC-404.03
	Ms. Savitri Koch	EDNC-404.01, EDNC-403.01
2011-12	Ms. Rangana Koch	EDNC-304.03 EDNO-302
	Mr. Mosphe Taro	EDNC-103, EDNC-301,
2012-13	Ms. Rangana Koch	EDNC-304.03 EDNO-302,
	Mr. Mosphe Taro	EDNC-103, EDNC-301
2013-14	Ms. Y.R.L.Devi	EDNC-402, EDNC-404.03
	Mr. Brian Sengsrang Ch. Marak	EDNC-403.01
	Mr. Mosphe Taro	EDNC-405, EDNO-204
	Ms. Chongtam Beda Devi	EDNO-205, EDNC-201

14. Programme-wise Student Teacher Ratio: MA 15:1; PhD 4:1



15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	-	-
LDC/ TA	-	1
MTS/ Lab Asstt.	1	1+1

16. Research thrust areas recognized by funding agencies: *Value and Peace Education, Teacher Education, Methods of Teaching at Tertiary Level, Special Education, and Elementary Education are the **thrust areas** of study and research in the department*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Dr. S. C. Subudhi	ICSSR, New Delhi	7.00
	Dr. S. C. Subudhi	ICSSR- NERC, Shillong	1.00
<b>International</b>			
-	-	-	-

Table 3.40: Number of faculty with ongoing projects in the Department of Education (Tura Campus).

18. Inter-institutional collaborative projects and grants received
- (a) All India collaboration: *Nil*
- (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

Name of the Faculty and Projects	Funding Agency and Amount in (Lakh ₹)
<b>National</b>	
Dr. Nikme. S. C. Momin - 1). 'Teachers' Personal Values and Teaching Competency as an Agenda towards Quality in Secondary Education of Garo Hills region of Meghalaya.(Completed) UGC, New Delhi	UGC, New Delhi
Dr. Nikme. S. C. Momin - 2). Entitled 'Maladjusted Adolescent of Meghalaya and the Need for Guidance and counselling Services: A Cross-cultural Analysis'.(Completed)	ICSSR, New Delhi



Name of the Faculty and Projects	Funding Agency and Amount in (Lakh ₹)
Dr. B. C. Das - 1). A Critical Evaluation of Teaching-learning Process adopted for Management of Refresher courses in Academic Staff Colleges in India. 2.) A Study of the Organization of Secondary Teacher Education Programmes in the North-Eastern States of India.	ICSSR, New Delhi
Dr. B. C. Das - i). A study of the Organization of Teacher Education Programmes for Secondary School Teachers in North Eastern Region of India. ii.)A Critical Evaluation of the Teaching Learning Systems adopted for the Management of Refresher Courses in the Academic Staff Colleges in India.	ICSSR, New Delhi
Dr. S. C. Subudhi - Training Needs and Modification of Special School Teachers in Meghalaya. (Completed)	ICSSR, New Delhi
Dr. S. C. Subudhi - A Study to Teaching Practices at Lower Primary Schools in Rural Areas of West Garo Hills District of Meghalaya. (Completed)	ICSSR, NERC
Dr. S. C. Subudhi - “ Educational Facilities and Mental Health of Physically Challenged and Normal Children in integrated educational settings of North-East States of India”. (Completed)	ICSSR, New Delhi
Dr. S. C. Subudhi - i.)Concept Development in Science Subject among Hearing Impaired Children Studying in Integrated and Segregated Educational Settings of Meghalaya’ ii).Educational Facilities and Mental Health of Physically Challenged and Normal children in integrated educational settings of North-East States of India’ iii.) ‘Study of Class room Management Ability among Lower Primary School Teachers Teaching at Multi-grade Settings in West Garo Hills District of Meghalaya’	ICSSR, NERC, Shillong
Dr. Madhusudan J. V. - “Scenario and Determinants of School Attendance: A household and School level study in West Garo Hills District of Meghalaya.	ICSSR, NERC, Shillong

Table 3.41: Departmental projects in the Deptt. of Education (Tura).

20. Research facility / center with Recognition: State / National / International:

- State Recognition : *Nil*.  
 National Recognition : *Nil*.  
 International : *Nil*.

21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*

22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	-	27
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	-	-	20



	National	International	Total
Edited Books	-	-	03
Books with ISBN with details of publishers		04	
Number listed in International Database			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.42: Detailed Publications of the Department of Education (Tura).

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *As per Projects*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Nikme S. C. Momin	i). Member of Academic Council, NEHU, Shillong - 22, ii). Member of Board of Studies, NEHU, Shillong-22, iii). Member of University Court, and iv). Member of Moderation Board , NEHU, Shillong - 22
Dr. B. C. Das	i). Member of Academic Council, NEHU, Shillong - 22, ii). Member of Board of Studies, NEHU, Shillong-22, iii). Member of University Court, and iv). Member of Moderation Board , NEHU, Shillong - 22
Dr. S. C. Subudhi	i). Member of Academic Council, NEHU, Shillong - 22, ii). Member of Board of Studies, NEHU, Shillong-22, iii). Member of University Court, and iv). Member of Moderation Board , NEHU, Shillong - 22
Dr. J. V. Madhusudan	i). Member of Academic Council, NEHU, Shillong - 22, ii). Member of Board of Studies, NEHU, Shillong-22, iii). Member of University Court, and iv). Member of Moderation Board , NEHU, Shillong - 22
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

Table 3.43: Faculty of the Department of Education (Tura) Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Refresher Courses, International and National Seminars & Workshops, Training Programmes:*





1.	Number of International Seminar:	04
2.	Number of National Seminar:	16
3.	Number of Regional Seminar:	06
4.	Number of National Symposium:	01
5.	Number of Refresher Course/Orientation programme/School:	05
6.	Number of MDP/EDP/ESDP:	0
7.	Number of Workshop:	06
8.	Number of International Academic Collaboration Programme:	0
9.	Programme for Release of International Journal:	0

## 28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	05
% of students doing projects in collaboration with other universities / industry / institute	-

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. Nikme S. C. Momin	1	-	-	1	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
Mr. Brian Sengsrang Ch. Marak	-	1	-	-	-
Ms. Silse D. Marak	-	-	1	-	-
Ms. Y. Rajlakshmi Devi	-	-	1	-	-
Ms. Pyrkhatlang A. Shadap	-	-	-	1	-
Mr. Zacharias George	-	-	-	1	-
Ms. Urvashi Ch. Marak	-	-	-	1	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		



<b>Title of Seminar/Conference</b>	<b>Funding Agency and Amount</b>	<b>Outstanding Participant(s)</b>
Dr. Nikme. S. C. Momin (co-ordinated with Dr. Madhusudan J. V.) - A Workshop entitled as "Approaches to Social Science Researches" on the 25th September, 2014 in the Department of Education, NEHU, Tura Campus, Tura-793002, Meghalaya.	ICSSR-NERC and NEHU, Tura Campus, Tura	-
Dr. Nikme. S. C. Momin (co-ordinated) - The 4 weeks 8 <sup>th</sup> Orientation Programme of the UGC-ASC, NEHU, Shillong from 29th March, 2010 to 26th April, 2010 at Department of Education, NEHU, Tura Campus, Tura.	UGC-ASC, NEHU, Shillong	-
Dr. Nikme. S. C. Momin - A National Seminar of Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25th-26th July, 2011.	Deptt. Of Education NEHU, Tura	-
Dr. B. C. Das (as Joint –Co-ordinator) - Training Programmes on Research Methodology for Non-Ph.D. College and University Teachers and Research Scholars from 8th -13th November, 2010, Department of Education, NEHU, Tura Campus, Tura.	NEHU, Tura Campus, Tura.	-
Dr. B. C. Das - A National Seminar of Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25th-26th July, 2011.	Dept. Of Education NEHU, Tura	-
Dr. S. C. Subudhi - Coordinated a six days Training Programme on "Experimental Research Methodology for College and University Teachers" from 17-22nd November, 2014" at the Department of Education, NEHU Tura Campus, Tura, Meghalaya, funded by ICSSR-NERC and NEHU.	ICSSR-NERC and NEHU	-
Dr. S. C. Subudhi - A National Seminar of Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25th-26th July, 2011.	Deptt. of Education NEHU, Tura	-
Dr. J. V. Madhusudan - Coordinated one day Workshop on Approaches to Social Science Research funded by NEHU, Tura, on 25-09-2014 at the Department of Education, ICSSR-NERC and NEHU. along with Dr. Nikme S. C. Momin.	ICSSR-NERC and NEHU. Tura	-
Dr. J. V. Madhusudan - co-ordinated with Dr. Nikme S. C. Momin, the 4th week 8th Orientation Programme of the UGC-ASC, NEHU, Shillong from 29th March, 2010 to 26th April, 2010 at department of Education, NEHU, Tura Campus, Tura.	UGC-ASC, NEHU, Shillong	-



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Dr. J. V. Madhusudan - A National Seminar of Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25th-26th July, 2011.	Dept. Of Education NEHU, Tura	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous evaluation at Admission, Course-Work, Progressive Seminars, Submission, pre-submission besides viva-voce, monitoring plagiarism for corrections, etc.*
32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA	42	5	25	6	18
PhD	9	1	2	-	1
2010-11					
MA	38	5	22	6	18
PhD	7	-	2	-	1
2011-12					
MA	45	2	26	5	18
PhD	15	1	4	-	-
2012-13					
MA	54	3	27	2	26
PhD	-	-	-	-	-
2013-14					
MA	40	3	26	3	26
PhD	22	3	1	-	-

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MA	30	1	2	-
PhD	2	-	1	-
2010-11				
MA	26	1	2	-
PhD	2	-	1	-
2011-12				
MA	27	-	3	-
PhD	5	-	1	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2012-13				
MA	30	1	1	-
PhD	-	-	-	-
2013-14				
MA	28	1	1	-
PhD	4	-	1	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

*UGC – JRF – NET:* 12 till date with verbal information,

*Meghalaya Civil Services:* Not available in record,

*Meghalaya Finance Services:* Not available in record, and

*Accountant General:* Not available in record.

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	30%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	80%
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	1	-
From other universities within the State	-	-	-	-
From universities from other States	3	3	3	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes. General Centre Library
<i>Internet facilities for staff and students</i>	Yes. Through Wi-Fi and LAN. 100 % to Teaching Faculties & Staff. For students 10 computers with internet
<i>Total number of class rooms</i>	4 (Four) including students Laboratories
<i>Class rooms with ICT facility</i>	3 Room



<i>Students' laboratories</i>	One (Computer Laboratory) & One Laboratory Tests, Instruments & Apparatus
<i>Research laboratories</i>	-

39. List of doctoral students post graduate students and Research Associates:

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	3	-
2012-13	-	-
2013-14	8	-

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
26	20	21	20	25

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc..*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Students feedback about teaching learning evaluation is obtained formally through confidential reports and informally through personal interaction with students and sharing at functions like; Departmental Picnic, Fresher Social, Parting Social, Excursion Trips, etc..*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*None.*

43. List the distinguished alumni of the department (maximum 10): *Nil*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *National Seminar, Faculty Extension Programme, Student Group Interaction, World Environment Day Cleaning Drive, Fresher's Meet and Parting Social etc..*

45. List the teaching methods adopted by the faculty for different programmes:

*Class Room Teaching, Interaction, Laboratory/Practical/Seminars/ Conference/Dissertation, conducted every year*



HR Conclave conducted every year  
 Case study Workshop conducted annually  
 Organising industrial tours for interaction with executives

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Learning outcomes are monitored through Three Internal Test, Project Assignment and Presentation, Personal Interaction, Continuous Evaluation, Group Interaction, Co-curricular Activities etc..*

47. Highlight the participation of students and faculty in extension activities:

- (a) Campus Cleaning, and
- (b) Extension Programmes

48. Give details of “beyond syllabus scholarly activities” of the department:

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Teacher Education, Environmental Education, Sociology of Education, Economics of Education.*

51. Future plans of the department:

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Computer Laboratory;
- Multimedia Class Rooms;
- Educational Psychological Laboratory;
- Cooperation from Students;
- Autonomy;
- Skilled Educators, and
- Ability to attract Students from Other States/Other Countries

**Weaknesses:**

- Admission Policy;
- Decreasing Grant for Library Development;
- Location to attract International/ Outstanding National Faculty for Interaction;
- Infrastructure Incompatible with academic needs;
- Small Faculty Strength; and
- Occasional Disruption in Scheduled Road due to Bandh, etc.

**Opportunities:**

- Change in the Attitude towards and Sustainability Education;
- Social Education and Economical Potential of the Region;



- Prevention of Student Migration;
- Scope for Collaboration with Government Departments and
- Competition from Private Universities;
- Producing Educators to various levels of Education/Scope for employment in Public and Private Sectors.

**Challenges:**

- High Teacher Pupil Ratio;
- Competition from Private Universities;
- Fund Sharing by other Competing Central Universities, Competence Development in Education System as a whole.



### 3.12.1 List of Seminar/ Conference/Orientation Programme Attended

1. Dr. Nikme S. C. Momin attended:

(National/International)

- i). Presented a paper entitled “Advocating Cultivation of Entrepreneurial Qualities amongst the Primary School Children.” in an International Conference on “Entrepreneurship in the Fast Changing Society: The Socio-Economic Perspectives” organised by the Department of Management, NEHU, Tura Campus in collaboration with Planning Department, Government of Meghalaya on the 26<sup>th</sup> to 27<sup>th</sup> June, 2014.
- ii). Presented a Resource paper entitled “Introduction to Approaches to Social Science Researches” on a workshop entitled as Approaches to Social Science Researches on the 25<sup>th</sup> September, 2014 in the Department of Education, NEHU, Tura Campus, Tura-793002, Meghalaya.
- iii). Attended the Overview of stock exchange, a National Symposium organised by Department of Management, North-Eastern Hill University in collaboration with National Stock Exchange of India Ltd, Kolkatta, India. April, 2013.
- iv). Presented SWOT analysis of extension education for quality orientation in higher education in a National Seminar on “Quality Sustenance in NAAC Accredited Institutions of Higher Education” by the IQAC, Don Bosco College Tura, Meghalaya. May, 2013.
- v). Presented Continuous and comprehensive evaluation: Role of teachers in a 27<sup>th</sup> Annual Conference of All Garo Hills Primary School Teachers’ Association (AGHPSTA), Ampati Zone- South-West Garo Hills Meghalaya. May, 2013.
- vi). Presented Literacy and entrepreneurship skill development in west Garo hills district of Meghalaya in a National Seminar on “Entrepreneurship: A Drive Towards Socio-Economic Development of North Eastern Region” organised by the Department of Management, NEHU, Tura Campus, Tura, Meghalaya, June, 2013.
- vii). Presented Attitude of the teacher educators towards innovative practices in the environment of ICT: a reference to Meghalaya in an International Conference on “Teaching to Learning, a Reconceptualisation of Education in the Emerging Context of ICT, a Special Reference to North East India” organised by the Assam Don Bosco University, Assam in collaboration with Department of Education, Guwahati University, Assam, February, 2014.
- viii). Presented Understanding the higher secondary students’ guidance needs, stress and academic achievement for transition to higher education: A study of Garo Hills Meghalaya, India. In an International Conference on “Teaching to Learning, a Reconceptualisation of Education in the Emerging Context of ICT, a Special Reference to North East India” organised by the Assam Don Bosco University, Assam in collaboration with Department of Education, Guwahati University, Assam, February, 2014.
- ix). Presented Role of school heads in the primary schools of Garo Hills, Meghalaya in Training entitled as “Training Programme on the Maintenance of School Records for the School Heads of Primary Schools” conducted by District Institute of Education and





- Training (DIET), Tura, Meghalaya at Koinadubi Village of Dalu Block of West Garo Hills District of Meghalaya. March, 2014.
- x). Presented a paper entitled “Educational Stress and Strategies for Reduction: A Picture of Meghalaya” with Mrs Kanika Das in a National Seminar on Human Resource Development in the Context of 21st Century, organized by the Department of Education, Guwahati University, Guwahati, Assam on the 5<sup>th</sup> -6<sup>th</sup> April 2012.
  - xi). Presented a resource paper entitled “Christian Educators and Understanding Psychology” in an Orientation Programme of the Sunday School Teachers, organized by Wadanang Baptist Church, Wadanang, Tura on 14<sup>th</sup> April, 2012.
  - xii). Presented a paper entitled “Planning, Decision Making and Management of School Finance by the School Heads of Meghalaya” with Mrs Pilne A Sangma in a National Seminar cum 20th Annual Conference of the North East India Education Society (NEIES) on Planning and Financing Education for National Development with Special Reference to North East India by the Department of Education, North Eastern Hill University, Shillong, Meghalaya on the 8<sup>th</sup> -9<sup>th</sup> November, 2012.
  - xiii). Presented an invited paper entitled “Developing Core Critical Thinking Skills Amongst Elementary School Teachers.” in a training programme “Diagnostic Testing and Remedial Teaching” organized by District Institute of Education and Training (DIET), Tura, Meghalaya for the Elementary School Teachers of Lower Primary Schools of West Garo Hills District of Meghalaya from 10<sup>th</sup> to 14<sup>th</sup> December, 2012.
  - xiv). Presented a paper entitled “Utilizing PRA to know a Community” in a Training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET), Tura, Meghalaya from 7<sup>th</sup> January to 11<sup>th</sup> January, 2013 at Sesengpara Village of Dalu Block of West Garo Hills District of Meghalaya.
  - xv). Presented a paper entitled “Parents, Family, Community Involvement in Education” in a Training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET), Tura, Meghalaya from 7<sup>th</sup> January to 11<sup>th</sup> January, 2013 at Sesengpara Village of Dalu Block of West Garo Hills District of Meghalaya.
  - xvi). Presented a paper entitled “Being Goal Directed in Life- A Weapon to Survival” in a Training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET), Tura, Meghalaya from 7<sup>th</sup> January to 11<sup>th</sup> January, 2013 at Sesengpara Village of Dalu Block of West Garo Hills District of Meghalaya.
  - xvii). Presented a paper entitled “Awareness on Economics of Education- An Introduction with Villagers” in a Training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET), Tura, Meghalaya from 7<sup>th</sup> January to 11<sup>th</sup> January, 2013 at Sesengpara Village of Dalu Block of West Garo Hills District of Meghalaya.
  - xviii). Presented an Invited Resouce Paper entitled “Perception and Learning: Needs for Teachers’ Understanding”, in a workshop on “Teacher Empowerment for the Secondary School Teachers of Garo Hills” held w.e.f. 23<sup>rd</sup> to 28<sup>th</sup> May, 2011 and organized by College of Teacher Education-Government of Meghalaya, Rongkhon, Tura West Garo



Hills District, Meghalaya.

- xix). Presented an Invited Resource Paper entitled “Affective Teaching Competency for Teachers of Secondary Schools” in a Workshop on “Teacher Empowerment for the Secondary School Teachers of Garo Hills” held w.e.f. 23<sup>rd</sup> to 28<sup>th</sup> May 2011 and organized by College of Teacher Education-Government of Meghalaya, Rongkhon, Tura West Garo Hills District, Meghalaya.
- xx). Presented an Invited Resource paper entitled, “Secondary School Teachers and their roles in the School Guidance and Counseling” in a workshop on “Teacher Empowerment for the Secondary School Teachers of Garo Hills”, held w.e.f. 23<sup>rd</sup> to 28<sup>th</sup>, May 2011 and organized by College of Teacher Education- Government of Meghalaya, Rongkhon, Tura West Garo Hills District, Meghalaya.
- xxi). Participated and presented a paper entitled, “Status and Issues related to school Guidance Programmes in Meghalaya: Implications for Quality Universalisation Secondary Education”, in a National Seminar of Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25<sup>th</sup>-26<sup>th</sup> July, 2011.
- xxii). Participated and co-presented a paper entitled, “Inculcation of Environmental Ethics: Implication for Universalization of Secondary Education” with Pырkhatlang A. Shadap in a National Seminar on Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25<sup>th</sup>-26<sup>th</sup> July, 2011.
- xxiii). Participated and co-presented a paper entitled “Quality Universal Secondary Education with Special reference to Garo Hills in Meghalaya: Exploring Foundational Links” in a National Seminar on Universalization of Secondary Education: Prospects and Challenges with Special Reference to North East India, organized by the deptt. Of Education NEHU, Tura on the 25<sup>th</sup>-26<sup>th</sup> July, 2011.
- xxiv). Participated and co-presented a paper entitled “ICT and Play in Early Childhood Education”, with Mr.Challang R Marak in a National Seminar on Information Communication Technology in Education, organized by the Deptt. Of Education NEHU Shillong on the 13<sup>th</sup> to 15<sup>th</sup> Sept. 2011.
- xxv). Presented a Resource Paper entitled “Results of the Garo Students in MBOSE Examination (HSLC & HSSLC) and Critical Analysis’ in the 41st Annual General Conference of the Garo Graduates’ Union, Tura held on the 3<sup>rd</sup> Dec. 2011 at the Government Girls’ Higher Secondary School, Tura.
- xxvi). Presented a Resource Paper entitled “The Role of Village and Social Mapping in Educating the Mass”, in a training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET) , Tura, Meghalaya from 23<sup>rd</sup> Jan. to 27<sup>th</sup> Jan. 2012 at Mellim village of Gambegre Block of West Garo Hills District of Meghalaya.
- xxvii). Presented a Resource Paper entitled, “The Cost Benefit Analysis of Education, in a Training cum Community Awareness Programme conducted by District Institute of



- Education and Training (DIET) , Tura, Meghalaya from 23<sup>rd</sup> Jan. to 27<sup>th</sup> Jan. 2012 at Melllim village of Gambegre Block of West Garo Hills District of Meghalaya.
- xxviii). Presented a Resource Paper entitled “Motivating Oneself and Others Towards Achievement in Learning”, in a Training cum Community Awareness Programme conducted by District Institute of Education and Training (DIET) , Tura, Meghalaya from 23<sup>rd</sup> Jan. to 27<sup>th</sup> Jan. 2012 at Melllim village of Gambegre Block of West Garo Hills District of Meghalaya.
- xxix). Presented a Resource Paper entitled “Paradigm Shift in Evaluation and Challenges for Secondary Education of Meghalaya’ in a National Seminar on, organized by the Deptt. of Education NEHU Tura on the 17th -18th Feb. 2012.
- xxx). Co-presented a paper entitled “Educational Stress and Strategies for Reducation: A Picture of Meghalaya” with Mrs Kanika Das in a National Seminar On Human Resouce Development in the Context of 21st Century, organized by the deptt. Of education, Guahati University, Guwahati, Assam on the 5<sup>th</sup> -6<sup>th</sup> April 2012.
2. Dr.B.C.Das attended:  
(National/International)
- i). Presented paper on Examination Reforms in Secondary Schools: A Study of Tura Town, Department of Education, NEHU, Tura Campus, Tura. National Seminar on Examination Reforms in Secondary Schools in Feb. 2012, Sponsored by ICSSR, NEC, NEHU NIT, Mysore.
  - ii). Presented paper on Teacher Education at Secondary Level in North Eastern States. Workshop on Appraisal of Research Projects in 2011, sponsored by: ICSSR, New Delhi.
  - iii). Presented a Resource Paper entitled “Introduction to Scientific Method” in a “Workshop entitled as Approaches to Social Science Researches” on the 25<sup>th</sup> September, 2014 in the Department of Education, NEHU, Tura Campus, Tura-793002, Meghalaya.
  - iv). Presented a Resource Paper entitled “Experimental Research” in a six days Training Programme on “Experimental Research Methodology for College and University Teachers” from 17<sup>th</sup> - 22<sup>nd</sup> November, 2014” at the Department of Education, NEHU, Tura Campus, Tura, Meghalaya, funded by ICSSR-NERC and NEHU.
3. Dr. S. C. Subudhi  
(National/International)
- i). Paper presented in National Seminar at Harkamaya College of Education, Gangtok, Sikkim on 28<sup>th</sup> June, 2011. Topic Entitled, “Status of Teacher Training Programme for Special School Teachers in Meghalaya”.
  - ii). Paper Presented in National Seminar at Deptt. Of Education, Udala College, UdalaBaripada, Odisha on 7<sup>th</sup> - 8<sup>th</sup> Feb. 2012, Topic Entitled ‘Research in Higher Education is Doldrum: An Observation”.
  - iii). A paper presented in National Seminar at NEHU, Tura Campus, Tura Meghalaya on 17<sup>th</sup> - 18<sup>th</sup> Feb. 2012. Topic Entitled: Some Strategies to improve Examination system at Secondary Schools.”



- iv). Paper Presented in National Seminar at Deptt. Of Education, Budha College of Education, Karnal, Kurukshetra, Haryana on 31<sup>st</sup> March, 2012. Topic entitled, “Effect of Continuous and Comprehensive Evaluation on Students attainment”.
  - v). Presented a paper entitled “Financial Management in Multigrade and Multi-ethnic Educational Settings” in a National Seminar on ‘Emerging Trends of Financial Services in India’ at Department of Management, NEHU, TuraCampus, Tura, Meghalaya on 20<sup>th</sup> - 21<sup>st</sup> November 2014.
  - vi). Presented a paper entitled “Teaching Learning Management in Multigrade and Multi-ethnic Educational Settings” in a National Seminar on Issues and Challenges in Teacher Education: In View of NCTE New Norms, 2014 at BhagwanMahaveer College of Education, Sonapat, Harayana on 1<sup>st</sup> March, 2015.
4. Dr. Madhusudan J. V.  
(National/International)
- i). Presented Children’s Pre-School Participation and the Promise of RTE Act: Evidences and Implications in the Context of the NE States of India, Right to Education (RTE): Issues and Concerns in Implementation, State Institute of Educational Management and Training (SIEMAT). Dept. of School Education, Govt. of A.P during 25-26, February, 2014, National.
  - ii). Presented SWOT analysis of extension education for quality orientation in higher education in a National Seminar on “Quality Sustenance in NAAC Accredited Institutions of Higher Education” by the IQAC, Don Bosco College Tura, Meghalaya. May, 2013.
  - iii). Presented Related Issue of Children’s Participation in Pre-School Education and the RTE Act, Right to Education in the NE Region, NIRD-NERC Guwahati during 20-21, May, 2013, NIRD-NERC Guwahati during 20-21, May, 2013, National.
  - iv). Education of Adolescents in the Empowered Action Group States , Paper presented at National Seminar on “Development and Population stabilisation in EAG States of India” held from 04-06, April, 2011 at Rajasthan University, Jaipur
  - v). Awareness about HIV/AIDS among Unmarried women in EAG States, India, Paper presented at National Seminar on “Development and Population stabilisation in EAG States of India” held from 04-06, April, 2011 at Rajasthan University, Jaipur.
  - vi). Scenario and Challenges in Universalisation of Secondary Education in Rural Areas of North-East India, Paper Presented at GOLDEN JUBILEE NATIONAL SEMINAR ON UNIVERSALISATION OF SECONDARY EDUCATION:ISSUES CHALLENGES AND POLICY PERSPECTIVES IN RURAL CONTEXT, held at NCERT New Delhi from 30-31 MARCH 2011
  - vii). “Role of Teachers Attitudes and Socio-Political Concerns in India”, Paper presented at National Seminar on “Role of Teachers in Promoting Communal Harmony and National Integration” held from 29-30, November, 2010 at Punjabi University, Patiala
  - viii). “Educational Attainment by Socio-Religious Communities in India: Evidences from NFHS and some Implications” Paper Presented at the First Asian Population Association Conference VigyanBhawan, New Delhi during 16-20, November, 2010. (Poster/



With Kh. Jitenkumar Singh and JeetendraYadav)

- ix). “Educational Attainment by Socio-Religious Communities in India: Evidences from NFHS” Paper Presented at the Annual Conference of Comparative Education Society of India (CESI) on “Globalization, Educational Change and Reforms: Comparative Perspectives” at JNU New Delhi, during 16-20, November, 2010. (With Kh. Jitenkumar Singh and JeetendraYadav)
- x). “Trends in Schooling among Muslims and Hindus in India” Paper presented at the first Social Scientist Meet of ICSSR-NERC at Shillong held from 9-10, March, 2010.



### 3.12.2 List of Publications

#### A. Published (Research Books/Articles):

##### 1. Dr. Nikme S. C. Momin attended:

- i). Momin, N.S.C. and Marak, C.R (2014).Developing Amongst Primary School Children, The Entrepreneurial Qualities TowardsVocationalization. Education: North East. A RefereedJournal of North East India Education Society (NEIES). Volume 18 (No.2), pp 47-58.
- ii). Momin, N.S.C., Shadap, P. A. (2013). Ingenuous stewardship for sustainable environmental turn-out in Meghalaya. InInternational Journal of Arts & Education Research. Volume-2/Issue-4/Article No-5/pp 528-537.
- iii). Momin, N.S.C., Sangma, P. A (2013). Planning, decision making and management of school finances by the school heads in Meghalaya, InInternational Journal of Arts & Education Research. Volume-2/Issue-6/Article No-2/pp 639-645.
- iv). Momin, N.S.C., Das, K (2013). Educational stress and strategies for reduction: A picture of Meghalaya, InInternational Journal of Arts & Education Research. Volume-2/Issue-6/Article No-11/pp 706-711.
- v). Momin, N.S.C., Madhusudan. J.V (2013). Extension Education for Quality Orientation in Higher Education. InEducation: North East, a Referred Journal of the North East India Education Society. Volume 17, No-1, pp 6-10.
- vi). Momin, N.S.C, (2013). Insufficient support system in schools of Meghalaya: A case study. InSOURCE- a Journal of Humanities and Social Sciences. Vol III, pp 98-107, Don Bosco College, Tura: Meghalaya.
- vii). Momin, N.S.C., Shadap, P. A (2014). Strength-Weakness-Opportunities-Threats analysis of environmental education for schools in Meghalaya. In“Prospects and Issues Concerning Education at Secondary Level”Momin, N.S.C. and Madhusudan. J.V (Eds). Manas Publishers and Distributors. Jaipur, Rajasthan: Chapter No, pp111-125.
- viii). “ Proverty and Educational Participation among Muslims in India: Evidances from NFHS III”, The Journal of Avidance Education, Vol.,No.1,2012, Pg.No.104-111 [ ISSN 0974-6498].
- ix). “Role of Teachers Attitudes and Socio- Political Concerns in India”, Dimensions of Education, Vol.1 Issue.4,2012, Pg. 5-8[ISSN-2249-2437].
- x). “ Secondary Education in Rural Areas of North –East India”, Education India- “A Quarterly Referred Journal of Dialogues on Education”, Vol.1,Issue-3, November 2012, Pg.No.198-203[ISSN2278-2435].
- xi). Edited with Co-editor, Dr.Madhusudan, J.V. A book entitled, “Towards Universalisation of Secondary Education in North-East India”, by Sri, Siddalingeshwara (2012), Gulbarga, Karnataka with ISBN: 97-93-81227-55-8.

##### 2. Dr. B.C.Das

- i). Facilitative Factors in the spread of Innovations in Teacher Education. Vetri Education, Vol.6, March 2011, ISSN-0973-8614, PP. 5-11, Puducherry, Tamilnadu.





- ii). What Prevents Teacher Education Institutions from being Innovative. EUTRACKS, Vol. 10, No.6, Feb.2011, ISSN4982-11, PP.3-8, Hyderabad.
  - iii). Effectiveness of Self-study Material for teaching General Science to Class IX students. Journal of Indian Education, NCERT, New Delhi, Feb. 2012.
3. Dr. S. C. Subudhi
- i). Subudhi S. C. (2014). Class room Development Ability among Elementary School Teachers Teaching at Multigrade Settings in Meghalaya. International Journal of Applied Management Research, Vol.2, No.1, pp 65-72.
  - ii). Subudhi. S. C. (2014). Educating HIV and AIDS Today: A Beautiful Civilization Tomorrow. Anweshan ;Journal of Education, Sonapat, Haryana. Vol-III, No.2 & Vol-IV, No.1. Pp24-31.
  - iii). Subudhi, S.C. (2013). 'Higher Education for Rural People is a Challenge'; International Journal of Educational aspects, Management studies and Applied Science. Vol-1, Issue-3, 150-154.
  - iv). Subudhi, S.C. (2013). 'Role of Private sector Investment in Education of Meghalaya'; Pedagogy of Learning: An International Journal of Education. Vol.01, Issue 02, 57-62.
  - v). Subudhi, S.C. (2013). 'Free Food Facility at Elementary Schools: Towards Rural Educational Empowerment in Meghalaya'. Anweshan; Journal of Education. Vol- II, No. 2, 55-60.
  - vi). Teaching Practices at Lower Primary Schools in East Garo Hills District of Meghalaya' Educational Research Journal-An International Research Journal (JER), Vol. 1(4); 60-67, September, 2011, ISSN: 2026-6332. (Refered and Peer reviewed Journal).
  - vii). 'Should Physical Punishment be abolished at Elementary Schools? A Discussion'. Anweshan: Journal of Education, Sonapat, Haryana. Vol-1, No-1, June 2011, 37-42, ISSN 2249-3794.
  - viii). 'Mental Health of Secondary School Teachers of Manipur': Vision-Research Journal of Education, Punjab. Vol. II, No.1, Pp 59-63, April-2011. ISSN-2230-9071.
  - ix). 'Environmental Degradation in East Garo Hills of Meghalaya- A Case Study'. Journal of Education and Development: A Multidisciplinary, Peer reviewed Journal. Vol.1, No. 2, Dec. 2011, 3034, ISSN 2248-9703.
4. Dr. J. V. Madhusudan
- i). Madhusudan, J.V (2014). Children's Pre-School Participation according to Age, Gender and Place of Residence in India's North-East. Golden Research Thoughts, Vol.IV. Issue.VI. pp1-7
  - ii). Madhusudan, J.V (2014). 'Some Predictors of Children's Pre-School Participation: Evidences from the States of NE India', Research Dimension, Vol.2. Issue.8, pp 1-7
  - iii). Madhusudan. J.V., (2013). Secondary Education in three Major States of North-Eastern Region of India. A Peer Review Journal of Humanities and Social Sciences, Vol.3: 9-19
  - iv). Momin, N. S. C., Madhusudan. J.V (2013). Extension Education for Quality Orienta-



tion in Higher Education. *Education North-East*, a referred Journal of the North-East India Education Society. Volume 17, No-1: 6-10

- v). Madhusudan. J.V., (2013). Schooling according to Household Wealth Index for the selected States of India: Vol. 2, Issue-2: 268-277
- vi). Madhusudan. J.V., (2013). Education of Adolescents in the Empowered Action Group States. Vol 1 Issue 11: 233-242.

#### B. Edited Books:

##### 1. Dr. Nikme S. C. Momin

- i). Momin, N.S.C (2015). Field Experiences of Teachers' Perspective on Continuous Comprehensive Evaluation. In, *Transforming Teacher Education in the North Eastern Region of India*. Syiem, I (Ed) ChandraPrakash Publishers Gauhati, Assam: Chapter No 11. Pp 143-153
- ii). Momin, N.S.C. (2015). Literacy and Entrepreneurship Skill Development in West Garo Hills District of Meghalaya. In *Entrepreneurship: A Drive towards Socio-Economic Development*. K. D. Singh (Ed). Manas Publishers and Distributors. Jaipur, Rajasthan: Chapter No 3, pp 31-39.
- iii). Momin, N.S.C., Madhusudan. J.V, (2014). "Prospects and Issues Concerning Education at Secondary Level". Manas Publishers and Distributors, Jaipur, Rajasthan with ISBN: 978-81-921743-8-9.
- iv). Momin, N.S.C., Madhusudan. J.V (2013). "Adult Literacy in Meghalaya, India- Impact of Sakshar Bharat Programme for Women". LAP Lamberg Academic Publishing, Germany: ISBN: 978-36-59416-02-6.
- v). Edited with Co-editor, Dr.Madhusudan, J.V. A book entitled, "Towards Universalisation of Secondary Education in North-East India", by Sri, Siddalingeshwara (2012), Gulbarga, Karnataka with ISBN: 97-93-81227-55-8.

##### 2. Dr. J. V. Madhusudan

- i). Momin, N.S.C., Madhusudan. J.V, (2014). "Prospects and Issues Concerning Education at Secondary Level". Manas Publishers and Distributors, Jaipur, Rajasthan with ISBN: 978-81-921743-8-9.
- ii). Momin, N.S.C., Madhusudan. J.V (2013). "Adult Literacy in Meghalaya, India- Impact of Sakshar Bharat Programme for Women". LAP Lamberg Academic Publishing, Germany: ISBN: 978-36-59416-02-6.
- iii). Madhusudan. J.V., (2013). *Primary Education in India's North-East*. Lap Lambert Academic Publishing, Germany.





## School of Human and Environmental Sciences

### 3.13 Department of Anthropology

1. Name of Department : ANTHROPOLOGY
2. Year of establishment : 1980
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Human and Environmental Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.A./M.Sc. and PhD
5. Interdisciplinary courses and departments involved : Anthropology of Gender, Human growth and Body Composition, Human Ecology and Adaptation and Anthropology of Northeast India
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : Departments of Biochemistry, Zoology, History, Linguistics and Geography
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	3	3 (one on lien)
Associate Professor	4	4
Assistant Professor	4	4

11. Faculty profile with name, qualification, designation and specialization (D. Sc./D. Litt./Ph. D./M. Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./M. Phil. students guided for the last 4 years
T. B. Subba	Ph. D.	Professor	Cultural Anth	30	8 (4 awarded)



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
R. Khongsdier	Ph. D.	Professor	Physical Anth	22	8 (4 awarded)
L. Zehol	Ph. D.	Professor	Cultural Anth	21	8 (4 awarded)
D. K. Limbu	Ph. D.	Assoc. Professor	Physical Anth	20	6 (6 awarded)
B. T. Langstieh	Ph. D.	Assoc. Professor	Physical Anth	12	6 (1 submitted)
G. Ranjan	Ph. D.	Assoc. Professor	Cultural Anth	15	6 (1 submitted)
V. Pakyntein	M. Phil.	Assoc. Professor	Cultural Anth	21	Nil
J. W. Dkhar	Ph. D.	Asst. Professor	Physical Anth	12	4 (1 awarded)
Q. Marak	Ph. D.	Asst. Professor	Cultural Anth	12	4 (1 submitted)
S. Ghosh	Ph. D.	Asst. Professor	Physical Anth	4	4

Table 3.44: Faculty Profile of the Department of Anthropology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
- Dr. Tom D. Brutsaert, Chair, Department of Exercise Science and Anthropology, Syracuse University, New York, visited the Department for one month (March 2013) as a Fulbright Visiting Professor funded by the Fulbright Foundation under the Fulbright Specialist Program 2012-13.
  - Dr. Brian Hemphil, Department of Anthropology, Alaska University, visited the department in 2010 and August 2014 in connection with the collaboration project on "A Dental Morphometric Examination of the Distinctiveness and Affinities of Austro-Asiatic- and Tibeto-Burman-speaking Ethnic Groups of South Asia."
13. Percentage of classes taken by temporary faculty-programme- wise information: 11.11%
14. Programme-wise Student Teacher Ratio: M.A./M.Sc. - 6:1; PhD - 4:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	-
UDC/ STA	NII	-
LDC/ TA	2	2 (daily wage)
MTS/ Lab Asstt.	2	2

16. Research thrust areas recognized by funding agencies: *Cultural and biological diversity of populations in Northeast India; Nutrition and Health; Tribal Studies; Prehistoric Anthropology.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
National			



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
	Prof. R. Khongsdier	Govt of Meghalaya	4
	Prof. R. Khongsdier	UGC	12.25
	Dr. B. Langstieh	DBT, Govt. of India	8.7
	Dr. Q. Marak	Indira Gandhi National Centre for the Arts, New Delhi	10.6
	Dr. Q. Marak	ICSSR-NERC, Shillong	0.6
	Dr. Q. Marak	Sangeet Natak Akademi	1
<b>International</b>			
	Prof. T. B. Subba Dr. G. Ranjan	Danida Fellowship Centre, Denmark	78.36
	Dr. B. Langstieh	UGC & HSB (Hungarian Scholarship Board) under Indo-Hungarian Educational Exchange Programme 2011	2.5
	Dr. B. Langstieh	- CIES, Washington DC via USIEF, New Delhi (2012-2013) - Fulbright-Nehru Senior Research Fellowship	\$ 25,000 (USD)

Table 3.44: Number of faculty with ongoing projects in the Department of Anthropology.

#### 18. Inter-institutional collaborative projects and grants received

##### (a) All India collaboration:

- i. The Department was collaborating with the Department of Social Welfare, Government of Meghalaya, to evaluate the impact of ICDS Programme on health and nutritional



- status of children and mothers in Meghalaya.
- ii. The Department is also collaborating with NEIGHIMS and the National Institute of Immunohematology, Mumbai, to characterize and identify the RBC antigen distribution pattern of the indigenous populations of Meghalaya in order to develop a blood donor base pertaining to the antigen systems.
- (b) International:
- i. The department is collaborating with the Department of History and Area Studies in Aarhus University, Denmark, on the project titled "Nepal on the Move: Conflict, Migration and Stability",
  - ii. Another international project "A Dental Morphometric Examination of the Distinctiveness and Affinities of Austro-Asiatic- and Tibeto-Burman-speaking Ethnic Groups of South Asia" is being collaborated with the Department of Anthropology, Alaska University, USA.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*.
  20. Research facility / centre with
    - State Recognition : *Nil*.
    - National Recognition : *Nil*.
    - International : *Nil*.
  21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*.
  22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	36	12	47
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	20	3	23
Edited Books	4	-	4
Books with ISBN with details of publishers	1	2	3
<b>Number listed in International Database</b>			
Citation Index - range/average	40 (average)		
SNIP	NA		
SJR	NA		
Impact Factor - range / average	0.25- 4.5 (range)		
h-index	7 (average)		

Table 3.45: Detailed Publications of the Department of Anthropology.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.



25. Faculty selected nationally/internationally to visit other laboratories in India and abroad:
- Prof. T.B. Subba visited Department of History and Area Studies, Aarhus University, Denmark (October 5, 2011).
  - Dr. B. T. Langstieh visited Centre for Cellular & Molecular Biology, Hyderabad; Institute of Medical Chemistry, Molecular Biology and Pathobiochemistry, Semmelweis University, Budapest; Institute of Psychology, Eötvös Loránd University, Budapest, Hungary; Department of Clinical and Theoretical Mental Health, Kutvolgyi Clinical Centre, Budapest; Chester Beatty Library, Dublin, Ireland; Department of Anthropology & Genome Science Department, University of Washington, Seattle, Tacoma Community College, Tacoma and Idaho State University, Idaho, USA.
  - Dr. Sudipta Ghosh was invited by the Department of Syracuse University, USA and UPCH university of Lima, Peru, for participating in field research in the UPCH Lab under the project titled "Natural selection and genes determining higher arterial saturation in Peruvian Quechua," funded by NSF, USA, from 27<sup>th</sup> June - 3<sup>rd</sup> August, 2013.
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. L. Zehol	Expert Committee in the area of Anthropology of Research Funding Council- Major and Minor Research Project, UGC.
Prof. T. B. Subba	<ol style="list-style-type: none"> <li>National Committee of the Indian Council of Social Science Research.</li> <li>Sectional Committee of the 97th Indian Science Congress for Anthropological and Behavioural Sciences for 2009-2010.</li> <li>Nominated as a member, Indira Gandhi Rastriya Manav Sangrahalaya Samiti, Bhopal.</li> <li>Nominated as a member, Academic Council, Sikkim University.</li> </ol>
Prof. R. Khongsdier	<ol style="list-style-type: none"> <li>Technical Advisory Committee, Biological Divisions, Indian Statistical Institute.</li> <li>State Level Scrutiny Committee for ST Status, Govt. of Meghalaya.</li> <li>Advisory Committee on Codification of Customary Laws, Khasi Hill Autonomous District Council.</li> </ol>
Dr. G. Ranjan	Committee constituted for monitoring the village relocation from the tiger reserves in the states of Rajasthan and Mizoram, Ministry of Environment and Forests, National Tiger Conservation Authority
<i>International Committees</i>	
-	-
<i>Editorial Board</i>	
Prof. T. B. Subba	<ol style="list-style-type: none"> <li>NEHU Journal (till 2010),</li> <li>Asian Anthropology, Hong Kong Studies of Tribes and Tribals, New Delhi,</li> <li>Man and Society Contributions to Indian Sociology</li> </ol>



Name of Faculty	Name of Committee
Prof. R. Khongsdier	i. NEHU Journal (till 2010), ii. Journal of Human Biology, New Delhi, iii. The Anthropologist, New Delhi, iv. Journal of Life Sciences, New Delhi, v. Guest Editor, Man in India
Dr. G. Ranjan	NEHU Journal
Dr. S. Ghosh	Wyno Academic Journal of Biological Sciences
<i>Any other (Please specify)</i>	
-	-

Table 3.46: Faculty of the Department of Anthropology Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:

The faculty have been recharging themselves by attending refresher and orientation courses, training programmes, seminars, conferences and workshops organised by different national and international institutions.

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	It is compulsory for the 4th semester students of the department to carry out their research projects and submit their findings in the form of dissertation for evaluation, which carries 100 marks.
% of students doing projects in collaboration with other universities / industry / institute	At present only 2 students

29. Awards/recognitions received at the national and international level by:

<i>Faculty</i>					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
T.B. Subba	Baden-Wuerttemberg Fellowship at South Asian Institute, Heidelberg University, Germany	-	Appointed Honorary Director, ICSSR, NE Regional Centre	Appointed Vice-Chancellor of Sikkim University	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Doisiammoi Suantak	-	-	-	-	Erasmus Mundus IBIES Scholarship at Aarhus University
Chumchano Humtsoe	-	-	-	-	IBIES Scholarship, at Leiden University
<i>Students</i>					
-	-	-	-	-	-



Table 3.47: Awards/recognitions of Faculties of the Department of Anthropology.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National seminar on 'Mother Tongue in Northeast India with Special Reference to Meghalaya' jointly with the Department of Linguistics, NEHU, Shillong, July 5-7, 2010	Central Institute of Languages	50
XV Dr. Verrier Elwin Endowment Lectures on 29-30 March 2011 delivered by Prof. A. N. M. Irshad Ali of Gauhati University, Assam	NEHU	50
National workshop on "Lithics: Issues and Problems" on 3 <sup>rd</sup> - 5 <sup>th</sup> November 2011	North Eastern Council (NEC) - Rs. 1.00 lakhs ICSSR - Rs. 0.75 lakh and NEC, Shillong - Rs. 0.35	40
National workshop on "women in scientific research - examining the challenges and identifying their needs" (Date: 21 - 22 October, 2011)	DST, New Delhi (Rs 25,000/-) Indian Council of Social Science Research (ICSSR), North Eastern Regional Centre (NERC) (Rs 25,000/-)	50
UGC- Capacity Building Sensitization/ Awareness/ Motivation Workshop of Women Managers in Higher Education at NEHU, Shillong, 11th - 15th June, 2013	UGC-Rs.5,65,475	30
<i>International</i>		
International seminar on "Nepali Diaspora in the Globalised Context" held at ICSSR-NER Conference Hall, NEHU Campus on September 28-30, 2011.	ICSSR and Aarhus university	30
Coordinated the International School for Doctoral Scholars in Anthropology" held at ICSSR-NER Conference Hall, NEHU Campus on 5-15 March, 2012	ICSSR	50

31. Code of ethics for research followed by the Department/ Centre: -

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA/MSc PhD	100	11	21	100	100



Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2010-11 MA/MSc PhD	92	7	23	100	100
2011-12 MA/MSc PhD	112	12	18	100	100
2012-13 MA/MSc PhD	126	5	26	100	100
2013-14 MA/MSc PhD	123	6	23	100	100

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA/MSc PhD	34	3.3	66	-
2010-11 MA/MSc PhD	43	3.3	44.3	-
2011-12 MA/MSc PhD	43	-	53.3	-
2012-13 MA/MSc PhD	58	3.3	39	3
2013-14 MA/MSc PhD	52	-	45	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC/CSIR JRF/NET = 36, Rajiv Gandhi SC/ST Fellowship = 13

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	Not applicable
PG to M. Phil.	Not applicable
PG/ M.Phil. to Ph.D.	35





Ph.D. to Post Doctoral	Nil
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	6	7	7	1
from other universities within the State	-	-	-	-
from universities from other States	5	4	3	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D. during the assessment period: *One in 2010*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Central Library serves the purpose
<i>Internet facilities for staff and students</i>	Computer lab for students, Two PCs and Internet facilities for office staff, each faculty member is provided with computer, printer and Internet facilities.
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	3
<i>Students' laboratories</i>	2

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	8	-
2010-11	7	-
2011-12	10	1
2012-13	13	-
2013-14	8	1

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
Nil	Nil	Nil	Nil	Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

*Regular consultation is done for development of new courses in consultation with experts from other universities and institutions.*

42. Does the department obtain feedback from:



- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes. Courses are primarily modified or designed according to faculty feedback.*
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Yes. Courses and instruction mode are modified.*
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*Yes. Courses are modified or designed according to faculty feedback.*
43. List the distinguished alumni of the department (maximum 10):
- i. Robert Kharshiing, ex-MP Rajya Sabha,
  - ii. Prof. H. Lamin,
  - iii. Prof. R. Khongsdier,
  - iv. Prof. L. Zehol,
  - v. Dr. D.K. Limbu,
  - vi. Ms. Dr. J.W. Dkhar,
  - vii. Ms. V. Pakyntein,
  - viii. Dr. B. L. Langstieh,
  - ix. Dr. Q. Marak, and
  - x. Dr. Robert Varte as Scientist in DRDO.
44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts:  
*Workshops, seminars & special lectures are organized at regular level in the department. Besides this the department conducts a lecture session titled 'Thursday open half' where external experts are invited to deliver lectures twice in a month as a part of student enrichment programme. Teachers also actively coordinate national level architectural design competitions for the students.*
45. List the teaching methods adopted by the faculty for different programmes:  
*Class lectures in multimedia projection, seminars, workshops, Fieldwork, projects and assignments.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:  
*Regular interaction with students, research scholars and teachers to assess the outcome.*
47. Highlight the participation of students and faculty in extension activities:
48. Give details of “beyond syllabus scholarly activities” of the department:  
*Teachers are involved in scholarly activities in addition to regular programmes of the department.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:



UGC, NAAC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

*The department corroborates with the state government in evaluation of maternal and child health, scrutiny and verification of SC/ST certificates in the state, codification of customary laws, sensitization of gender issues. One faculty member also undertakes project with NEIGRIHMS to characterize and identify the RBC antigen distribution in Meghalaya.*

51. Future plans of the department:

- a) Introducing diploma courses in Forensic Anthropology and Visual Anthropology, identifying new areas as per objectives of the university.
- b) Documentation and dissemination of case studies, success stories and field related data of research projects.
- c) Organizing seminars and workshops on identifying thrust areas.
- d) Undertaking research on health, social and economic development with special reference to Meghalaya.
- e) Extending partnerships and collaborations with national and foreign academic institutions not only to bring up global competencies to its students, researchers and teachers, but also to enhance the quality of teaching and research.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- The department is one of the best in the country in terms of collaborative and participatory research that is comparable at the international level. Faculty members of the department are being invited to collaborate on research works with the Anthropology departments of well-known universities, like Syracuse University, Washington University, Aarhus University, Alaska University, UPCH University of Lima (Peru), Heidelberg University, etc. It is the only department which has an equal strength of faculty members in both Cultural and Biological Anthropology. The sex ratio of faculty members is almost ideal, i.e., 6 females 5 males. It is the only department of anthropology in the country which gives major focus on biocultural study as a means to integrate the science of anthropology. In the last three years new courses like Material Culture and Museum Method, Political Anthropology, Dental Anthropology, Forensic Anthropology, Ergonomic Anthropology have been introduced in the syllabus. Every year a good number of students qualify the UGC NET exam for Lectureship as well as the JRF apart from other fellowships such as Rajiv Gandhi Fellowship. In 2013, one student also qualified for the Erasmus Mundus Fellowship, Denmark and is presently pursuing doctoral research at Aarhus University, Denmark.

**Weaknesses:**



- The Department has only two major streams, Cultural and Biological Anthropology, although anthropology is known as a four-field discipline or a holistic discipline of cultural, biological, linguistic and archaeological anthropology. The department is unable to open new programmes like diploma course in forensic anthropology or applied anthropology due to shortage of space. The laboratories of the department need to be up-graduated. The department has three laboratories and one museum without any lab Attendant to look after them.

**Opportunities:**

- The department can actively utilize its partnerships and collaborations with foreign academic institutions and agencies not only to bring up global competencies to its students, researchers and teachers, but also to enhance the quality of teaching and research that are socially relevant or promote the social and economic development of the people in Northeast India as per objectives of the university. The department has the potential for expanding its academic activities on biology and culture as one of the best departments of Anthropology in India, because of its location in this part of the country, which is very rich in biological and cultural diversity.

**Challenges:**

- The greatest challenge of the department is to create quality infrastructure of international quality and to make the thrust area of the department more socially relevant. Researches in the department should be more consistent with the aims and objectives of the university, that is, to promote the social, economic and well-beings of the people under its jurisdiction. Although the department has collaborated with the State Government in areas of health and nutrition, the nature and extent of collaboration needs to be reviewed or reassessed in order to identify key challenges. There is a need for a stronger network or collaboration between the academicians on one hand and the policy makers and planners on the other. In addition, popularising of anthropology in Meghalaya is another challenge. Only two colleges have so far introduced anthropology as a subject of under-graduate programme in colleges.



### 3.14 Department of Environmental Studies

1. Name of Department : ENVIRONMENTAL STUDIES
2. Year of establishment : 2008
3. Is the Department part of a School/ Faculty of the university? : Yes, Human and Environmental Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG (M.Sc.) and Ph.D.
5. Interdisciplinary courses and departments involved : Department is involved in teaching interdisciplinary courses under CBCS
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. : Participation under CBCS
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled	Existing
Professor	1	1	5
Associate Professor	1	2	-
Assistant Professor	4	4	1

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
B. K. Tiwari	Ph.D.	Professor	Natural Resource Management	28	5
L. K. Jha	Ph.D.	Professor	Forestry, Forest Laws and Rural Development	32	4



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
O. P. Singh	Ph.D.	Professor	Environmental Monitoring and Remediation of Degraded Ecosystems	30	3
D. Walia	Ph.D.	Professor	Magnetotelluric, Seismotectonics, Radon monitoring studies in NER	27	4
D. Paul	Ph.D.	Professor	Entomology, IPM, Soil faunal ecology and biodiversity	25	4
S. S. Chaturvedi	Ph.D.	Assistant Professor	Environmental Monitoring, phytoremediation,	13	4

Table 3.48: Faculty Profile of the Department of Environmental Studies.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
- Dr. D. Bhattacharjee, Associate Professor, Department of Business Administration, Assam University, Silchar, Assam, as Visiting Fellows, and
  - Shri L. L. Vishwakarma, Director, Mission I and In-Charge, Photo-Geology and Remote Sensing Division, GSI, NER, Shillong, as Visiting Fellow.
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*.

Programme	2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-	-

14. Programme-wise Student Teacher Ratio:
- M.Sc. - 8:1  
Ph.D. - 5:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	1/2	1/2
MTS/ Lab Asstt.	1	0



16. Research thrust areas recognized by funding agencies: *Thrust Areas of Research: Biodiversity Conservation, Environmental Monitoring, Forest Management, Environmental Impact Assessment, Environmental Biology, Integrated Pest Management, Policy Oriented Research on Forest and Environment and Watershed Management; Magnetotelluric studies, Global Positioning system studies and micro-seismicity of NE Region; Radon activity concentration in NER.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
	Prof. B. K. Tiwari	MoEF, New Delhi	8.93
	Prof. O. P. Singh	NEEPCO	4.49
	Prof. D. Walia	MoES, GOI, New Delhi; NEC	236.00
	Prof. D. Paul	UGC, New Delhi; DRDO	36.66
<b>International</b>			
-	-	-	-

Table 3.49: No. of faculty with ongoing projects in the Department of Environmental Studies.

18. Inter-institutional collaborative projects and grants received:
- (a) All India collaboration: *Nil*
- (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / center with Recognition: *Nil*
- State Recognition:
- National Recognition:
- International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	51	11	62
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	8	-	8



	National	International	Total
<b>Edited Books</b>	-	-	-
<b>Books with ISBN with details of Publishers</b>	-	-	-
<b>Number listed in International Database</b>	15	2	17
<b>Citation Index - range / average</b>		-	
<b>SNIP</b>		-	
<b>SJR</b>		-	
<b>Impact Factor - range / average</b>		-	
<b>h-index</b>		-	

Table 3.50: Detailed Publications of the Department of Environmental Studies.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: 2
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *By promoting faculty to participate in Conference, Seminar, Symposia etc.*
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-





Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MSc PhD	312	12	13	100	100
2010-11 MSc PhD	239	15	10	100	100
2011-12 MSc PhD	230	11	14	100	100
2012-13 MSc PhD	233	11	15	100	100
2013-14 MSc PhD	256	5	20	100	100

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MSc PhD	48	40	12	-
2010-11 MSc PhD	48	28	24	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011-12 MSc PhD	60	16	24	-
2012-13 MSc PhD	80	16	40	-
2013-14 MSc PhD	44	8	12	4

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:
- MCS 3 (ST),
  - NET 4 (ST).
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	20%
PG/M.Phil. to Ph.D.	8%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	20%
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	1	1	2	-
from other universities within the State	-	-	-	-
from universities from other States	5	5	4	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	3
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	6



39. List of doctoral, post doctoral students and Research Associates: **column info**

Year	From the host University		From Other Universities	
2009-10	1	-	1	1
2010-11	-	-	1	2
2011-12	3	-	1	1
2012-13	2	1	-	-
2013-14	1	3	-	1

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	4	5	6	4

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Yes; demands of parents and students to start the PG and Ph.D. programmes were considered and accordingly the programmes were started.*
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*All faculty members are members of Board of Studies and participate in formulation of syllabus of the Department.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*University obtains feedback from students.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*University has Alumni Association and two teachers of the Department are members of Alumni Association.*
43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Where ever possible students are encouraged to participate in lectures / workshops / seminar organized by Department and other agencies.*
45. List the teaching methods adopted by the faculty for different programmes: *Lecture, Demonstration, field visits, practicals, seminar and project work.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Unit test are conducted and progress of teaching is monitored in faculty meeting.*
47. Highlight the participation of students and faculty in extension activities: *Students and faculty are associated with agencies having interest in environmental protection and participate in their*



activities.

48. Give details of “beyond syllabus scholarly activities” of the department: *Many faculty members and some students render consultancy and advise o environmental matters. Where ever possible students are encouraged to participate in lectures / workshops / seminar organized by Dept. and other agencies.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *All faculty members are engaged in research work in different areas of environmental studies. The results of studies are continuously published in reputed journals.*
51. Future plans of the department: *Department plans to strengthen the infrastructure facility by attracting funding from national and international agencies.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
  - Strengths:**
    - Faculty comes from different subjects and are specialized in different disciplines catering the diversity of environmental Studies, and
    - All faculty members are actively engaged in research.
  - Weaknesses:**
    - Lack of faculty in specialized disciplines of Environmental Studies, and
    - Inadequate technical staff.
  - Opportunities:**
    - Department has opportunity to study the environment of north-east India and generate first-hand information on diverse topics, and
    - Rendering consultancy services for agencies operating the north-east India.
  - Challenges:**
    - Finding job opportunities for the students of the Department, and
    - Conducting teaching and research programmes with inadequate faculty and technical staff.



### 3.15 Department of Geography

1. Name of Department : GEOGRAPHY
2. Year of establishment : 1976
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Human and Environmental Sciences.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, MPhil and PhD, PG Diploma in Geoinformatics
5. Interdisciplinary courses and departments involved : History, Anthropology, Economics, Environmental Science and Botany.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : None
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester, Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : No
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	3	3
Associate Professor	4	3
Assistant Professor	5	4

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
A.C. Mohapatra	M.Phil( JNU) Ph. D (NEHU)	Professor	Regional Development and Planning, Methodology in Geography, Environmental Issues.	37	3



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
S. Singh	Ph.D (Meerut) Retired on superannuation on 30th Sept. 2013	Professor	Agricultural Geography, Area Planning and quantitative Techniques.	24	4
B. S. Mipun	Ph. D (NEHU)	Professor	Agricultural Geography, PS and GIS	28	4
D. K. Nayak	M. Phil & Ph. D (JNU)	Professor	Social and Population Geography, Gender and Health related issues.	28	5
Z. H. Quershi	Ph.D (M.L.Sukhadia Univ.)	Professor	Geomorphology, Environment and Ecology	17	4
H. J. Syiemlieh	M.Phil & Ph.D (NEHU)	Professor	Fluvial and applied geomorphology	24	4
S. K. De	Ph. D (Calcutta University)	Professor	Geomorphology- Geomorphological Hazards	15	
L. Cajee	Ph.D (NEHU)	Associate Prof.	Bio-Geography & Quantitative Techniques	14	4
P. G. Momin	M. Phil (JNU)	Associate Prof.	Climatology and Ecology	37	
P. K. Ryngnga	M. Phil & Ph.D (JNU)	Asst. Prof.	Regional Development, Urban Geography, RS & GIS	11	3
S. Purkayastha	M. Phil & PH.D (NEHU)	Asst. Prof.	Social and Population Geography, Development	8	3

Table 3.51: Faculty Profile of the Department of Geography.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:



13. Percentage of classes taken by temporary faculty-programme- wise information: 100%

14. Programme-wise Student Teacher Ratio:

PG programme	8.44:1
M.Phil.	2:1
Ph.D. programme	6:1
PG Diploma	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	1/3	1/2
LDC/ TA	1/2	1/1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies:

- Geomorphology with focus on Regional & Applied Geomorphology,
- Environmental Studies with focus on Climatology & Climate Change, Water Resources & Hydrology, Biogeography, Biodiversity & Watershed Management Studies,
- Regional Development & Regional Planning,
- Social & Cultural Diversity of NER of India with focus on Tribal Development, and
- GIS & RS Applications in Environment & Land Use Planning.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
	Prof. B. S. Mipun	MOEF, N. Delhi	₹ 17.84
	Prof. B. S. Mipun, Prof. D.K.Nayak	Mot McDonald Pvt. Ltd.	₹ 8.41
	Prof. H. J. Syiemlieh, Prof S. Singh, Prof. O. P. Singh	DAE (BRNS) Mumbai	₹ 20.29
<i>International</i>			
	Prof H.J. Syiemlieh, Mr. Danny M . Synnah	Indo- Polish Collaboration	-
	Prof. H. J. Syiemlieh, Dr. L. Cajee	Indo Japan Collaboration	-



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
	Prof. B. S. Mipun	Friedrich Schiller University, Federal Republic of Germany	-

Table 3.52: Number of faculty with ongoing projects in the Department of Geography.

18. Inter-institutional collaborative projects and grants received:

(a) All India collaboration:

- i. Bhaba Atomic Research Centre Mumbai,
- ii. SAC-ISRO Ahmedabad

(b) International:

- i. Department of Geo-environmental Research, Polish Academy of Sciences, Krakow, Poland,
- ii. Disaster Prevention Research Institute of Kyoto University, Japan, and
- iii. Friedrich Schiller University, Germany

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

2009-10 UGC (SAP) DRS Programme	UGC	3.5 lakhs
2010-11 UGC (SAP) DRS Programme	UGC	3.5 lakhs
2011-12 UGC (SAP) DRS Programme	UGC	3.5 lakhs
2012-13 DST- FIST	DST	34.0 lakhs
DST-PURSE	DST	2.50 lakhs

20. Research facility / center with Recognition:

- State Recognition:
- National Recognition:
- i. GIS laboratory, and
  - ii. Environment Laboratory:
- International Recognition:

21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*

22. Publications: (Detailed List of publications to be provided to the visiting team):

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	28	26	54
Monographs	3	-	3





	National	International	Total
Chapters in Books/Papers in conference proceedings			36
Edited Books			1
Books with ISBN with details of publishers	Land Degradation & Ecorestoration in the Extremely Wet Environment of Cherrapunjee, Area INDIA', Bookwell, New Delhi. ISBN: 978-8189640927		
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		0- 2 (range)	
h-index		-	

Table 3.53: Detailed Publications of the Department of Geography.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. D. K. Nayak	National Translation Mission under the central Institute of Indian Languages
Prof. S. K. De	International Correspondence Secretary, Indian Institute of Geomorphologists (IGI)
<i>International Committees</i>	
Prof. S. K. De	Secretary General of International Association of Geomorphologist(IAG/AIG)
<i>Editorial Board</i>	
Prof. D. K. Nayak	a). Editor, Hill Geographer, Shillong, b). Jt. Editor, Transactions, Pune
Prof. S. K. De	Editorial Board Member, Journal of Indian Geomorphology
Any Other (Please specify):	
Prof. D. K. Nayak	Member, Academic Council, Sikkim University
Prof. B. S. Mipun	Member, Academic Council, Bihar Central University

Table 3.54: Faculty of the Department of Geography Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *None*
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities/ industry/ institute	-



## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
Rabi Narayan Behera (Research Scholar)	Young Geographer's award from the Institute of Indian Geographers 31 <sup>st</sup> annual conference held at University of Banglore 2010.	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Joint workshop on holistic approach using integrated geophysical studies for management of Natural hazards -2013	NESAC, IGU	
Workshop on Data Dissemination of houses and household amenities and Assets 2011 census- 2012	Directorate of Census operation, Meghalaya	
Workshop on Research writing-2011	SAP DRS II	
2 <sup>nd</sup> Indian Landslide Congress -2011	IIF Guwahati	
<i>International</i>		
International & National Schools for Doctoral Scholars in Geography-2011	ICSSR, NERC	
International Seminar and Cultural Expo on Natural resources and Rural Livelihood among tribes in Hilly areas-2011	GIZ-NER, ICSSR, NERC, SAP DRS II	
International Seminar on mapping changes in South and South East Asia: Geopolitics, Economy and Demography-2010	MAKAIS, SAP DRS , NEHU, IIPS&ICSSR	
International Seminar on water crisis in Indian sub-continent Issues and challenges-2009	BASAS U.K. & NEHU	
Workshop on the New Security Agenda in North East of South Asia-2009	-	-



31. Code of ethics for research followed by the Department/ Centre: *As per University Research Ethics Committee*

32. Student profile course-wise:

Name and Batch of the Course		Applica-tions received	Selected		Pass Percentage	
			Male	Female	Male	Female
2009-10	MA/MSc	152	17	16	100	100
	MPhil					
	PhD					
	PG Diploma					
2010-11	MA/MSc	168	18	20	100	100
	MPhil					
	PhD					
	PG Diploma					
2011-12	MA/MSc	201	17	22	100	100
	MPhil					
	PhD					
	PG Diploma					
2012-13	MA/MSc	209	15	23	100	100
	MPhil					
	PhD					
	PG Diploma					
2013-14	MA/MSc	254	18	20	100	100
	MPhil					
	PhD					
	PG Diploma					

33. Diversity of students:

Name and Batch of the Course		% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
2009-10	MA/MSc	68	-	32	-
	MPhil				
	Ph.D.	66	-	34	-
	PG Diploma				
2010-11	MA/MSc	84	-	16	-
	MPhil				
	Ph. D.	55	-	45	-
	PG Diploma				
2011-12	MA/MSc	74	-	26	-
	MPhil				
	PhD				
	PG Diploma				
2012-13	MA/MSc	65	-	35	-
	M.Phil.	87.5	-	12.5	-
	Ph. D.	64	-	36	-
	PG Diploma				
2013-14	MA/MSc	92	-	8	-



M.Phil.	53	-	47	-
Ph. D.	33	-	67	-
PG Diploma				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Year	NET (JRF)	NET (L)
2009-10	-	5
2010-11	-	10
2011-12	-	13
2012-13	-	11
2013-14	-	10

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	15%
PG/ M.Phil. to Ph.D.	20%
Ph.D. to Post Doctoral	2%
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	NA
<input type="checkbox"/> Others	NA
Entrepreneurs	NA

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	33%	33%	45%	-
from other universities within the State	Nil	Nil	Nil	-
from universities from other States	67%	67%	55%	-
from universities outside the country	Nil	Nil	Nil	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of infrastructure facilities with regard to:

Library	1
Internet facilities for staff and students	All staff and students
Total number of class rooms	4
Class rooms with ICT facility	Nil
Students' laboratories	3
Research laboratories	1

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University	From Other Universities
------	--------------------------	-------------------------



	Doctoral	Post Doc		
2009-10	8		4	
2010-11	5		-	
2011-12	2		5	
2012-13	9		5	
2013-14	4	1	8	

40. Number of post graduate students getting financial assistance from the university:  
(a) MA/MSc (Geography)

2009-10	2010-11	2011-12	2012-13	2013-14
2	3	1	7	2

- (b) PG Diploma (Geoinformatics)

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	8

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *No new programme was initiated during the period under report.*
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes. The feedback is used for revising the curriculum at regular intervals.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Yes, feedback collected by the Controller's office.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*No.*
43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Prof. Aleksander Petrovic- Vice President of Man & Biosphere Committee UNESCO, Serbia,
  - Prof R. N. Vyas- Sikkim University,
  - Prof. A. H. Kidwai- JNU
  - Prof. Harjit Singh, JNU
  - Prof. H. Ramachandran, Delhi University
  - Prof. B.S. Butola - JNU
  - Prof. B.K. Mishra Ravenshaw University Cuttak
  - Prof. S. Subbiah - University of Madras, Chennai



- (i) Prof C. R. Pathak (Retd) - IIT, Khragpur,  
 (j) Prof Ali Mohammad, Aligarh Muslim University, Aligarh  
 (k) Prof. K. R. Dikshit (Retd), University of Pune  
 (l) Prof. Surya Kant- Punjab University.  
 (m) Prof. T. Hayashi, Disaster Prevention Research Institute, Kyoto University, Kyoto, Japan
45. List the teaching methods adopted by the faculty for different programmes:  
 MA/MSc: Lectures, tutorials, term papers, seminars, practicals through visuals and discussion including field work, study tour, etc.,  
 Mphil/Ph.D.: Lectures, Brain Storming Sessions, Group discussions, Term Papers, Seminars (coursework),  
 Geo-Informatics: Lectures, Practical, Hands-on tutorials, Projects, Projects and Internship.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
 MA/MSc: By monitoring sessional tests and end semester results; group discussions on important events.  
 Research: The department has Departmental Research Committee (DRC) which continuously monitors progress by organising seminar presentations and providing comments.
47. Highlight the participation of students and faculty in extension activities: *Participation in NSS and other environmental related programmes.*
48. Give details of "beyond syllabus scholarly activities" of the department:  
 (a) The Geographical Research Forum provides a platform for views, opinions and discussions on important issues and current events,  
 (b) The Geographical Society of NEHR, Shillong, organises Seminars and Workshops of national and international levels from time to time and publishes an academic journal Hill Geographer.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *At University level only*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:  
 • Baseline understanding of fluvial processes and responses,  
 • River health and Water quality assessment in urban areas and at regional levels,  
 • Extreme events and trends in Climate Change in the most rainy regions of Meghalaya Plateau, and  
 • Rainfall-run-off relationship, Land-use and Eco restoration in Cherrapunjee.
51. Future plans of the department: *Extending research areas; trying to link research results to applications.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:  
**Strengths:**



- Strong in teaching and research activities (currently running four teaching programmes- MA/MSc, Mphil/ Ph.D and PG Diploma in Geoinformatics),
- GIS Laboratory and Environmental Laboratory, equipped with adequate facilities,
- Faculty teaching and researching in select specializations in geography,
- Currently running a self financed PG Diploma in Geo-informatics, and
- Collaboration with Foreign and Indian Universities.

**Weaknesses:**

- Insufficient faculty to cater to new programmes,
- Lack of space, and
- Lack of out reach programmes.

**Opportunities:**

- Location of the University in a region that offers much scope for research, and
- Scope for technological and industrial relationships with various Government and NGO.

**Challenges:**

- Space availability for additional programmes.



### 3.16 Department of Horticulture (Tura)

1. Name of Department : HORTICULTURE (Tura Campus)
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Human and Environmental Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG and PhD
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : Refresher Courses, Orientation Programmes, Management Development Programmes, Offered by other Departments and Government Agencies; Short-term Training courses of different Institutions
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	2	1
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. C. P. Suresh	Ph.D.	Professor	Post-Harvest Management	15	3





Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Sunil Kumar	Ph. D.	Associate Professor	Floriculture	15	-
Dr. Arvind Chaurasiya	Ph.D.	Assistant Professor	Post-Harvest Management	3.6	-
Mr. Arindam Barman	M.Sc (GBPUA&T)	Assistant Professor	Vegetable Science	3.6	-
Mr. Yumnam Somi Singh	M.Sc. (Horticulture)	Assistant Professor	Fruit Science	3.4	-

Table 3.55: Faculty Profile of the Department of Horticulture.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
- Prof. Debashis Majumdar (UBKV, West Bengal)
  - Prof. Kishore Singha (Birsha Agriculture University)
  - Dr. A. Shahu (Nagaland University)
  - Dr. A. Ghosh (UBKV, West Bengal)
13. Percentage of classes taken by temporary faculty-programme- wise information:
- Dr. Kalkame Ch. Momin (20%)
  - Prof. Debashis Majumdar (UBKV, West Bengal) (4%)
  - Prof. Kishore Singha (Birsha Agriculture University) (5%)
  - Dr. A. Shahu (Nagaland University) (5%)
  - Dr. A. Ghosh (UBKV, West Bengal) (3%)
14. Programme-wise Student Teacher Ratio: 4:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	1 (Temporary)
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies: Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	Mr. A. Barman	DBT, New Delhi	42.81/-
<b>International</b>			



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
-	-	-	-

Table 3.56: No. of faculty with ongoing projects in the Department of Horticulture.

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*
  - International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / center with Recognition: *Nil*
- State Recognition:
  - National Recognition:
  - International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	75	30	105
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings			26/10
Edited Books			1
Books with ISBN with details of Publishers			2
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.57: Detailed Publications of the Department of Horticulture.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):



Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. C. P. Suresh	i. Cooch Behar Association Cultivation of Sciences, ii. Management Committee Kendra Vidyalaya, Cooch Behar, and iii. Eminent Educationist Kendra Vidyalaya, Cooch Behar.
<i>International Committees</i>	
Prof. C. P. Suresh	i. International Association for Minor Fruits & Medicinal and Aromatic Plants, and ii. Working Committee Fruit Science Society of Bangladesh.
<i>Editorial Boards</i>	
Prof. C. P. Suresh	i. Journal of Agriculture and Technology, and ii. International Journal of Minor Fruits & Medicinal and Aromatic Plants.
Dr. Sunil Kumar	i. Current Horticulture, ii. Indian Journal of Agricultural Sciences, and iii. HortFlora Research Spectrum.
<i>Any Other (Please specify)</i>	
-	-

Table 3.58: Faculty of the Department of Linguistics Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: 2 Workshops

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	Nil
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Hands on training workshop on PCR techniques and its applications	NEHU, Tura	20



Hands on workshop protein Electrophoresis for diversity analysis	NEHU, Tura	15
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous evaluation at pre-submission besides viva-voce, monitoring plagiarism for corrections, etc.*

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MSc PhD	NA	NA	NA	NA	NA
2010-11 MSc PhD	NA	NA	NA	NA	NA
2011-12 MSc PhD	NA	NA	NA	NA	NA
2012-13 MSc PhD	29	3	7	100	100
2013-14 MSc PhD	43	2	8	Undergo-ing	Undergo-ing

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MSc PhD	NA	NA	NA	NA
2010-11 MSc PhD	NA	NA	NA	NA
2011-12 MSc PhD	NA	NA	NA	NA
2012-13 MSc PhD	NA	NA	NA	NA



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2013-14 MSc PhD	NA	NA	100	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Nil*
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG/M.Phil. to Ph.D.	NA
Ph.D. to Post Doctoral	NA
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	Undergoing
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	-	-	-	-
from other universities within the State	-	-	-	-
from universities from other States	5	5	3	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes. Through LAN. 100% to Teaching Faculties & Staff.
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	-
<i>Students' laboratories</i>	4
<i>Research laboratories</i>	-

39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University		From Other Universities	
2009-10	Nil	Nil	Nil	Nil
2010-11	Nil	Nil	Nil	Nil
2011-12	Nil	Nil	Nil	Nil



2012-13	Nil	Nil	Nil	Nil
2013-14	Nil	Nil	Nil	Nil

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
Nil	Nil	Nil	Nil	Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Students feedback about teaching learning evaluation is obtained formally through confidential reports and informally through personal interaction with students and sharing at functions like, Fresher Social, Parting Social, etc.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Yes. Alumni and employers on the programmes offer their feedback and the same is utilised while revising the syllabus.*

43. List the distinguished alumni of the department (maximum 10): *One batch passed*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

45. List the teaching methods adopted by the faculty for different programmes: *Organising Educational tours for interaction with Scientists.*

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Learning outcomes are monitored through Three Internal Test, Assignments and Presentations, Personal Interaction, Seminar and Continuous Evaluation.*

47. Highlight the participation of students and faculty in extension activities: *Participation in Clean India-Swach Bharat*

48. Give details of “beyond syllabus scholarly activities” of the department: *Coaching and test conducted for ARS/NET*



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Protected cultivation,
  - Nursery management, and
  - Hands-on-training.
51. Future plans of the department:
- To generate skilled Human resource in the field of commercial and potential horticultural crops
  - Documentation of rich ITK's of the region.
  - To explore rich diversity of the region for identification of wild horticultural crop species, which have potential to be a futures commercial crop
  - Domestication, standardization of agro-techniques & generation of quality planting material of high valued species, which are being collected from the wild.
  - Introduction of species suitable for cultivation in this region and alteration in their cultivation practices as per the requirement of local conditions.
  - To generates, import and demonstrate technologies suitable to the climatic conditions of the region.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Varied climatic conditions, suitable for growing almost all types of commercial flowers, tropical, sub-tropical and temperate fruits and vegetables.
  - Rich diversity of wild relatives of commercial flowers required in crop improvement, underutilized fruits and vegetables.
  - Qualified & Experienced faculty
  - Well maintained field and laboratory
  - Growing demand of the flowers, fruits and vegetables in the region
- Weaknesses:**
- Lack of manpower
  - Lack of infrastructure
  - Lack of equipment
  - Lack of awareness among local peoples about cultivation of horticultural crops
  - Lack of quality planting material
  - Ban on synthetic fertilizers & pesticides
  - Lack of organized market of horticultural crops in the region
- Opportunities:**
- Introduction of some new commercial horticultural crops, which are successfully growing in other parts of the world, having climatic conditions similar



to this region.

- Strengthening the department in terms of manpower, Infrastructure & equipment.
- Generation of quality planting material.
- Development of new varieties suitable for cultivation in North-Eastern region.
- Standardization of organic cultivation practices of horticultural crops.
- Creation of cooperative society for marketing.
- Identification of potential climate resilient crop species from the wild and their domestication.

**Challenges:**

- Risk of lower returns to the farmers due to perishable nature of the crops and high transportation cost
- Competition from the other states producing similar crop.
- Instability in production due to changes in monsoon patterns





### 3.17 Rural Development and Agricultural Production (Tura)

1. Name of Department : Rural Development and Agricultural Production (Tura Campus)
2. Year of establishment : 2002
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Human and Environmental Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M. Sc., M.Phil. and Ph.D.
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : C choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Refresher Courses, Orientation Programmes, Short-term Training courses of different Government / Semi-Government Organisations.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	2	1
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. S. C. Srivastava	MA, Ph.D.	Professor	Economics	22 years	6+2 = 8



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. D. C. Kalita	M.Sc.(Agri.), Ph.D	Associate Professor	Agricultural Finance and Production Economics	12 years	6
Mr. J. P. Jaiswal	M.Sc.	Assistant Professor	Agricultural Engineering	34 years	Nil
Dr. B. K. Mishra	M.Sc.(Agri.), Ph.D	Assistant Professor	Dairy Technology	12 years	5+2=7
Dr. B. Mathew	M.Sc.(Ag.), Ph.D (Hort.)	Assistant Professor	Fruits and orchard management	13 years	4
Dr. L. S. Pereira	M.Sc.(Ag.), Ph.D (Hort)	Assistant Professor	Fruits and orchard management	6 years	2+3=5

Table 3.59: Faculty Profile of the Department of Rural Development and Agricultural Production (RDAP).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
  - (a) Pro. Abdus Saleque
  - (b) Dr. Jayanta Chaudhury
  - (c) Prof. R.K. Pandey
  - (d) Prof. B. K. Chakrabarty
  - (e) Prof. Nirmal Baruah
  - (f) Prof. N. C. Deka
  - (g) Prof. H. C. Bayan
13. Percentage of classes taken by temporary faculty-programme- wise information: 10.00
14. Programme-wise Student Teacher Ratio:
  - (a) Ph.D : 3:1
  - (b) M.Phil : 1.4:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA	3	2
LDC/ TA	5	3
MTS/ Lab Asstt.	2	2

16. Research thrust areas recognized by funding agencies:
  - (a) Rural Development
  - (b) Livestock management
  - (c) Entrepreneurship development



- (d) Horticultural development  
 (e) Micro Finance  
 (f) Rural Marketing  
 (g) Micro-planning and Decentralisation
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Dr. B.K. Mishra	DBT, Govt. of India	₹ 72.062/- (on-going)

Table 3.60: No. of faculty with ongoing projects in the Department of RDAP.

18. Inter-institutional collaborative projects and grants received:  
 (a) All India collaboration: *Anand Agricultural University, Gujarat*  
 (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Bio-Informatics Infrastructure Facility (BIF) funded by DBT*
20. Research facility / center with Recognition: State / National / International: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team):

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	-	-
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	-	-	-
Edited Books	7	-	7
Books with ISBN with details of publishers	-	1	1
Number listed in International Database		-	
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

23. Details of patents and income generated:

Patent: *Nil*

Income (₹) given below:

2009-10	2010-11	2011-12	2012-13	2013-2014
321250.00	240024.00	262632.00	119657.00	25090.00



24. Areas of consultancy and income generated :  
 (a) BRGF, and  
 (b) CDAP.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. S. C. Srivastava	Member of i. Academic Council, NEHU, Shillong-22, ii. School Board, NEHU, Shillong-22, and iii. Board of studies of Deptt. of Geography, RDAP.
Dr. D. C. Kalita	Member of i. Academic Council, NEHU, Shillong-22, ii. School Board, NEHU, Shillong-22, iii. University Court, NEHU, Shillong-22, iv. Board of Research Studies, NEHU, Shillong-22, v. Board of Studies of Deptt. of Environmental Studies, NEHU, Shillong vi. Board of Studies of RDAP, NEHU, Tura and vii. Board of Studies of Agri-Business Management and Food Technology, NEHU, Tura.
Mr. J. P. Jaiswal	Member of i. Academic Council, NEHU, Shillong-22, ii. University Court, NEHU, Shillong-22,
Dr. B.K. Mishra	Member of i. School Board, NEHU, Shillong-22, ii. Board of Studies of Deptt. of Anthropology, NEHU, Shillong and iii. Board of Studies of RDAP, NEHU, Tura
Dr. B. Mathew	Member of i. School Board, NEHU, Shillong-22, ii. Board of Studies of Deptt. of RDAP, NEHU, Tura
Dr. L.S. Pereira	Member of i. Board of Studies of Deptt. of Horticulture, NEHU, Tura ii. Board of Studies of RDAP, NEHU, Tura iii. Board of Studies of MBA, NEHU, Tura
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	



Name of Faculty	Name of Committee
Dr. B. K. Mishra	a). Member of Editorial board: Journal of Hill Agriculture. b). Life Member: i. Indian Dairy Association, ii. Society of Biological Sciences & Rural Development, iii. Indian Society of Animal Production Management, iv. Indian Society of Hill Agriculture, v. Love 4 Cow Trust, vi. Swedish South Asian Network on Fermented Foods, vii. Society of Extension Education, viii. Bioed Research Society.
Dr. B. Mathew	a). Member of Editorial board: Transient, Journal of the Kalash Science. b). Life Member of i. Fruit Science Society of Bangladesh, ii. Horticultural Society of India, IARI, New Delhi, iii. Indian Society of Plantation Crops, CPCRI, Kasargod, iv. Indian Society for Spices, IISR, Calicut, Kerala, v. Horticultural Society of North East India, Dept. of Horticulture, Nagaland University, Medziphema, Nagaland, vi. Life Member of Cooch Behar Association for Cultivation of Agricultural Sciences (COBAKAS), UBKV, Pundibari, W.B.
Dr. Lolly S. Pereira	Life Member of i. Horticultural Society of India, IARI, New Delhi, ii. Horticultural Society of North East India, Dept. of Horticulture, Nagaland University, Medziphema, Nagaland, iii. Fruit Science Society of Bangladesh, iv. Indian Society of Citriculture, NRCC, Nagpur
Any Other (Please specify)	
-	-

Table 3.61: Faculty of the Department of RDAP Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies : Refresher Courses, International and National Seminars and Workshops, Training Programmes

- (a) Number of international Seminar : 2
- (b) Number of National Seminar : 24
- (c) Number of Regional Seminar : 7
- (d) Number of National Symposium : 2
- (e) Number of Refresher Course/Orientation programme/School : 11
- (f) Number of MDP/EDP/ESDP : Not applicable
- (g) Number of Workshop : 4
- (h) Number of International Academic Collaboration Programme : Not applicable
- (i) Programme for Release of International Journal : Not applicable
- (j) Training Programmes : 3



## 28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry /institute	-

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. B. K. Mishra	-	Young Scientist Award	Founder Fellow Award	Bioed Fellowship Award	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

Table 3.62: Awards/recognitions of Faculties of the Department of RDAP.

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Dr. B. Mathew	UGC, ASC, Shillong	23
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous continuous internal assessment and external evaluation at various stages of research activities.*

## 32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
M.Sc. RDAP	69	5	14	100	100
Ph.D.	11	3	2	100	100
2010-11					
M.Sc. RDAP	82	5	19	100	100
PhD	7	1	2	100	100
2011-12					
M.Sc. RDAP	61	5	19	100	100
PhD	25	2	4	100	100
2012-13					



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Sc. RDAP	68	7	17	-	-
M.Phil	6	1	4	100	100
PhD	28	2	5	100	100
2013-14					
M.Sc. RDAP	113	5	20	-	-
M.Phil.	4		2	100	100
PhD	19	1	3	100	100

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
M.Sc. RDAP	89.47	-	10.53	-
PhD	33.33	-	66.67	-
2010-11				
M.Sc. RDAP	100	-	-	-
PhD	-	-	-	-
2011-12				
M.Sc. RDAP	100	-	-	-
PhD	-	-	-	-
2012-13				
M.Sc. RDAP	95.83	-	4.17	-
PhD	-	-	-	-
2013-14				
M.Sc. RDAP	95.83	-	4.17	-
M.Phil.	50	-	50	-
PhD	75	-	25	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- UGC - JRF - NET : Nil
- UGC - Lect - NET : 3
- Meghalaya Civil Services : 2
- Meghalaya Finance Services : NA
- Accountant General : NA

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	Not Applicable
PG to M. Phil.	12%
PG/ M.Phil. to Ph.D.	39.13



Ph.D. to Post Doctoral	Nil
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	2
<input type="checkbox"/> Others	-
Entrepreneurs	15

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	-	-	-	-
from other universities within the State	-	-	-	-
from universities from other States	6	6	5	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

(a) PhD - Nil

(b) DSc / Dlitt - Nil

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	3
<i>Students' laboratories</i>	1 (Computer Laboratory)
<i>Research laboratories</i>	3

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	4	1
2010-11	3	0
2011-12	4	4
2012-13	3	4
2013-14	1	3

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
19	21	21	22	20

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Nil.

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?





*Yes. Faculty give their suggestions as to teaching-learning evaluation and the same is utilised in various ways say revising syllabus, improved teaching, developing simple modules, etc..*

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Student's feedback about teaching learning evaluation is obtained informally through personal interaction with students and sharing at functions like; Departmental Picnic, Fresher Social, Parting Social, Excursion Trips, etc.*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*No.*

43. List the distinguished alumni of the department (maximum 10): *Nil*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Special Lecture by SBI Branch Manager, Chandmari, Tura*
45. List the teaching methods adopted by the faculty for different programmes: *Class room teaching, Lab activities, Case study, study tour and field visit*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: *Learning outcomes are monitored through Three Internal Test, Project Assignment and Presentation, Personal Interaction, Continuous Evaluation*
47. Highlight the participation of students and faculty in extension activities: *Students of the department are actively participating various campus placement drive held on and off-campus. Faculties are also involved in extension activities, training to farmers, NGOs, consultancy activities etc., Combined participations of faculty and students for Cleanliness Drive on account of Swatch Bharat Abhiyan.*
48. Give details of "beyond syllabus scholarly activities" of the department: *Field visits, study tour; farmers' training, short term training programmes for students of other colleges on various aspects of entrepreneurship and farm management, rural development etc.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Micro-finance Animal rearing, standardization and development of dairy and food products. Horticultural crops growing, Post-Harvest management of horticultural produce and Social Responsibility Reporting.*
51. Future plans of the department:
- Strengthening of Departmental Library with addition of more books and journals;*
  - Creating a separate Computer Laboratory with at least 30 systems for Research Scholars with Wi-Fi and Internet connectivity through LAN;*



- (c) Providing Consultancy to Small and Medium Scale Industries
- (d) Organisation of more National Level Seminars and case study work shops
- (e) Organisation of Refresher Courses in interdisciplinary subjects

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Computer Laboratory
- Multimedia Class Rooms
- Cooperation from Students
- Autonomy
- Ability to attract Students from Other States/Other Countries

**Weaknesses:**

- Decreasing Grant for department Development
- Locational disadvantage to attract International / Outstanding National Faculty for Interaction
- Infrastructure Incompatible with academic needs
- Small Faculty Strength etc.

**Opportunities:**

- Positive Change in the Attitude towards Agriculture Education
- Agriculture Potential of the Region
- Prevention of Student Migration
- Competition from Private Universities

**Challenges:**

- High Teacher Pupil Ratio
- Competition from Private Universities
- Fund Sharing by other Competing Central Universities;



## School of Humanities

### 3.18 Department of English

1. Name of Department : ENGLISH
2. Year of establishment : 1973
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MA, MPhil, and PhD.
5. Interdisciplinary courses and departments involved : The Department offers a few courses under Open Course Category which are interdisciplinary in nature. These courses allow students from other departments to participate.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Participation in Open course with Linguistics Deptt, Anthropology Deptt, Pol. Science Deptt, CCS Deptt.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):
 

Designation	Sanctioned	Filled
Professor	2	1
Associate Professor	6	6
Assistant Professor	7	6
11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Esther Syiem	PhD	Professor	American Lit., Modern Fiction, North-East Literature	28	6
Moon Moon Mazumdar	PhD, DDE	Professor	Modern British Lit., Women's Writing, Translation and Tagore Studies	13	3
Sukalpa Bhattacharjee	PhD	Professor	Critical Theory, Gender Studies	12	4
Mala Renganathan	PhD	Professor	Drama/Theatre (American & Indian); Indian Fiction in English; Women's Writing	12	3
Utpala G. Sewa	PhD	Professor	British Poetry Fiction	12	3
Jyotirmoy Prodhani	PhD	Professor	Theatre, Ethnic Studies and Translation	9	3
Kynpham Sing Nongkynrih	PhD	Associate Professor	Poetry/World Poetry in Translation	9	1
Nobonita Ganguly	MA	Associate Professor	Modern British Fiction	36	-
Nola Syiem	MPhil	Associate Professor	British Drama 16 <sup>th</sup> -17 <sup>th</sup> Century	33	-
Ngangom Rabindra Singh	MA	Associate Professor	Indian Writing in English & World Lit. In Translation & Modern Poetry	27	-
Lang Kupar K. War	MA	Assistant Professor	Modern Fiction	9	-
Suranjana Choudhury	PhD	Assistant Professor	Gender Studies, South Asian Literatures, Culture Studies	6	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Rimi Nath	MA	Assistant Professor	Indian Writing in English and South Asian Diasporic Literature in English	2	-
Somjyoti Mridha	MPhil	Assistant Professor	Indian English Literature, Kashmir Conflict	2	-

Table 3.63: Faculty Profile of the English.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *NA*
13. Percentage of classes taken by temporary faculty-programme- wise information: *NA*
- (a) August - December: 1<sup>st</sup> Semester - 1; 2<sup>nd</sup> Semester - 1
- (b) February - July: 3<sup>rd</sup> Semester - 1; 4<sup>th</sup> Semester - 1
14. Programme-wise Student Teacher Ratio:

	Semester - I	Semester - II
MA	7/1	7/1
M.Phil.	-	-
Ph.D.	1/1	-

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	1 (Daily Wage)
MTS/ Lab Asstt.	-	-
Personal Assistant	-	1 (Regular)
Peon	-	1 (Daily Wage)

16. Research thrust areas recognized by funding agencies:
- (a) Austro-Asiatic Languages,
- (b) Tibeto-Burman Languages,
- (c) Languages in N.E. India
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Mala Renganathan	UGC – MRP (Major Research Project)	13.298
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*.
  - International collaboration: *Nil*.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*
20. Research facility/center with Recognition: State/National/International:
- State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	-	-
Monographs	1	-	1
Chapters in Books/Papers in conference proceedings	58	12	70
Edited Books	i. (2010) <i>Times Inscriptions NEHU Anthology for Literature</i> Orient Blackswan, ISBN 9788125039839 ii. (2010) <i>NEHU Anthology Of Short Plays &amp; Biographies</i> Orient Blackswan ISBN 9788125040378 iii. (2010) <i>The Looking Glass: NEHU Anthology of Poetry for BA Pass and Major CUP</i> , ISBN 978-81-7596-736-6 iv. (2011) <i>NEHU Anthology Of Select Literary Criticism</i> ISBN 9788125042761 v. (2010) <i>NEHU Anthology of Prose and Drama</i> , Cambridge University Press, ISBN 978-81-7596-753-3		



	National	International	Total
Edited Books ( <i>Contd.</i> )	vi. (2013) <i>Society, Representation and Textuality: The Critical Interface</i> , Los Angeles, London, New Delhi, Singapore, Washington DC SAGE, ISBN 978-81-321-0953-2 vii. (2009) <i>Dancing Earth: An Anthology of Poetry From North East India</i> , Penguin, ISBN-13: 978-0143102205		
Books with ISBN with details of publishers	i. (2015), <i>Ki Kyrwoh: Ki Khana Phawer</i> . Shillong: Pine Cones Publications, ISBN 978-81-929614-7-7 ii. (2012) <i>Creativity and Conflict in the Plays of Sam Shepard</i> Authors Press New Delhi ISBN978-81-7273-611-8 iii. Tr. (2012) <i>Akbar-Birbal and the Stories of the Rivert Nile</i> Bhabani Books Guwahati. ISBN 978-93-82624-06-6 iv. (2011) <i>The Oral Discourse in Khasi Folk Narrative</i> Guwahati: EBH Pubs. ISBN-13: 978-9381421697 v. (2010) <i>Maria Irene Fornes' Theatre: A Study</i> . Illinois: CGPubs ISBN. 1863357491/9781863357494 vi. (2010) <i>Memory as Vision - A Study of the Poetry of Thomas Hardy</i> Aryan Books New Delhi ISBN 978-81-7305-396-2		
Number listed in International Database	-		
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	-		
h-index	-		

Table 3.64: Publications of Faculties in the Department of English.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	



Name of Faculty	Name of Committee
Prof. Esther Syiem	i. National Editorial Collective of the PLSI (People's Language Survey of India) ii. Council Member Sahitya Akademi 2013-17 iii. Member English Advisory Board, Sahitya Akademi iv. Member Advisory Board of Sahitya Akademi Translation Centre, Bangalore
Mala Renganathan	i. Member, SCILET (Study Centre for Indian Literature in English & Translation) ii. Life Member, OUCIP (Osmania University Centre for International Programmes), Hyderabad iii. Life Member, IACLALS (Indian Association for Commonwealth Literature and Language Studies), New Delhi iv. Life Member, Institute of North East India Studies, Kolkata
International Committees	
Kynpham Sing Nongkynrih	Nominating Editor for Khasi for Katha Translations, New Delhi.
Editorial Boards	
Moon Moon Mazumdar	Member, Editorial Board, Journal of Humanities and Social Sciences, Allahabad.
Sukalpa Bhattacharjee	i. Member of Editorial Board The NEHU Journal ii. Member of Editorial Board Protocol: Journal of Translation, Creative and Critical Writings
Mala Renganathan	i. Associate Editor, Journal of Literature, Culture and Media Studies ii. Member, Editorial Board, IJELLS (Indian Journal of English Language and Literature Studies), Tirunelveli
Jyotirmoy Prodhani	i. Founder Editor, Protocol: Journal of Translation, Creative and Critical Writings, NEHU(Tura Campus) ii. Member, Editorial Board, The NEHU Journal, NEHU, Shillong.
Kynpham S. Nongkynrih	Member, Editorial Committee of the Encyclopaedia of Indian Poetics, Sahitya Akademi, New Delhi.
<i>Any other (Please specify)</i>	
Esther Syiem	i. Founding Member, SFES (Shillong Forum for English Studies) ii. Founding Member, Shillong Academic Society iii. Member Khasi Author's Society
Kynpham S. Nongkynrih	i. Member of the Madhya Pradesh Government Award Committee for 'The Veer Shankar Shah Raghunath Shah National Award'. ii. Member of Sahitya Akademi Selection Committee for selecting the Bhasha Samman awardee for Khasi language, 2012

Table 3.65: Faculty of the Department of English Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:

*Orientation Programme, Research Forum, Refresher Courses, Seminars, Departmental Discourse & Workshops*

*MMM – Invited Lectures – 1 (International); 2 (National)*

28. Students' Projects





% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Temsula Ao	Governor's Award (Nagaland) for distinction in the field of Literature	-	-	-	-
Mala Renganathan	-	OUCIP Post doctoral Fellowship, Hyderabad	-	UGC-IIAS Associateship, Shimla	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
E. Syiem – a. Convened workshop as Meghalaya and North-East Coordinator of the People's Linguistic Survey of India , August 2011 b. Convened workshop for all coordinators of the PLSI team from North East India Dec 2011 c. Convened First Theatre Appreciation Course in Meghalaya April 21st-28th 2014	Bhasha Research and Publication Centre , Baroda  Bhasha Research and Publication Centre , Baroda  NSD, New Delhi, Dept of English NEHU, Shillong Forum for English Studies, Shillong	From the states of North East India  Coordinators of the PLSI from NE India
M.M.Mazumdar – 1. Translation, Transmission & Cultural Transactions 2. Staging a Scene from Macbeth 3. Reading a Shakespearean Play	NEHU, ICSSR (NER) & Sahitya Akademi St. Mary's College Lady Keane College	
M. Renganathan - National Workshop on Drama Leading to Performance in August 2010	NERC-ICSSR, Shillong and NEHU, Shillong	University students



Kynpham Sing Nongkynrih - "National Writers' Meet" 2010	Sahitya Akademi New Delhi	National Writers
Suranjana Choudhry - Workshop on Translation Studies 2010	Depts of English & Linguistics NEHU, Shillong	Students
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applications received	Total Number of students Selected	Selected		Pass Percentage	
			Male	Female	Male	Female
2009-10						
MA	332	52				
MPhil	38	14				
PhD	33	13				
2010-11						
MA	293	53				
MPhil	-	-				
PhD	-	-				
2011-12						
MA	343	52				
MPhil	-	-				
PhD	66	11				
2012-13						
MA	362	52				
MPhil	-	-				
PhD	72	06				
2013-14						
MA	336	52				
MPhil	-	-				
PhD	119	06				

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MA	48	-	04	-
MPhil	08	-	06	-
PhD	09	-	04	-
2010-11				
MA	50	-	03	-
MPhil	-	-	-	-
PhD	-	-	-	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011-12				
MA	43	-	09	-
MPhil	-	-	-	-
PhD	08	-	03	-
2012-13				
MA	34	-	18	-
MPhil	-	-	-	-
PhD	05	-	01	-
2013-14				
MA	51	-	01	-
MPhil	-	-	-	-
PhD	04	-	02	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC – JRF – NET	5
UGC – Lect – NET	27
Meghalaya Civil Services	12
Meghalaya Finance Services	Nil
Accountant General	Nil

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	2009-10: 48 (NEHU) + 4 (Non-NEHU) 2010-11: 50 + 3 2011-12: 43 + 9 2012-13: 34 + 18
PG to M. Phil.	2009-10: (NEHU) + (Non-NEHU)
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	50%	50%	93%	NA
From other universities within the State	NA	NA	NA	NA
From universities from other States	50%	50%	7%	-
From universities outside the country	-	-	-	-



37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*Nil.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	-
<i>Students' laboratories</i>	NA
<i>Research laboratories</i>	NA

39. List of doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	8	5
2010-11	-	-
2011-12	8	3
2012-13	5	1
2013-14	4	2

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
30	27	21	26	38

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Feedback is being received periodically and on the basis of that the department improvises the curriculum and teaching methods.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Periodically feedbacks are obtained and after discussions and deliberations in Department meetings, steps are taken to improvise and modify.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*NA*

43. List the distinguished alumni of the department (maximum 10):

- i. Mr. W. M. S. Pariat,
- ii. Mr. Kishalaya Bhattacharjee,
- iii. Mr. Paul Lyngdoh,



- iv. Mr. Federick Roy Kharkongor,
  - v. Prof. Desmond L. Kharmawphlang,
  - vi. Dr Kynpham Sing Nongkynrih,
  - vii. Mr. Rabindra Singh Ngangom, and
  - viii. (late) Raymond P. Diengdoh
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
  45. List the teaching methods adopted by the faculty for different programmes: *Audio-Visual devices for teaching, Screening of films related to the course, Conducting Seminars, Special Lectures by Guest Faculties, Group Discussions, Panel Discussions.*
  46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Through Meetings, Discussions and Appraisals at the Department Level.*
  47. Highlight the participation of students and faculty in extension activities: *Study Tours, Creative Writing, Stage Performances.*
  48. Give details of "beyond syllabus scholarly activities" of the department: *Translation Works, Engagement with Visual Representations.*
  49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
  50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *The Department is engaged in the study of Oral literature of the region.*
    - \* Study of origin myths of the region pertinent to the formation and construction of identity in North-East India.
    - \* Arranging performances by North-Eastern dramatists like Kanhailal and Savitri Devi, Pabitra Rabha.
  51. Future plans of the department:
    - Introduction of North-East Literature at Master's Level;
    - To conduct Communicative English Training Programmes for the benefit of the University Community.
    - To Network / Collaborate with National Level Organisation & Bodies like Sahitya Akademy, ICSSR, National School of Drama.
    - Establishing a full-fledged Departmental Library with addition of more books and journals;
    - Organisation of National and International Level Seminars;
    - Initiating a Departmental Journal.
  52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
 

**Strengths:**

    - i) Good faculty strength;



- ii) Multimedia Class Rooms;
- iii) Cooperation from Students;
- iv) Autonomy;
- v) Ability to attract Students from Other States; and
- vi) Good Infrastructure.

**Weaknesses:**

- i) Lacking good Department Library;
- ii) Decreasing Grant for Library Development;
- iii) Remoteness of the location and
- iv) Occasional Disruption in Scheduled Road due to Bandh, etc.

**Opportunities:**

- i) Positive Change in the Attitude towards learning;
- ii) Scope for collaboration across disciplines;
- iii) Archiving and documentation of Oral Narratives of the region; and
- iv) Shillong as the hub of culture, education and allied activities.

**Challenges:**

- i) Inadequate permanent office staff;
- ii) Remoteness of the location; and
- iii) Fund Sharing by other Competing Central Universities.



### 3.19 Department of English (Tura)

1. Name of Department : ENGLISH (Tura Campus)
2. Year of establishment : 1996
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG and PhD
5. Interdisciplinary courses and departments involved : Open Courses; Department of Education, Garo, RDAP, MBA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester/CBCS
9. Participation of the department in the courses offered by other departments. : No
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	3	2
Assistant Professor	5	4
Assistant Professor (Personal Post)	1	1

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Dwijen Sharma	M.A, M.Phil., Ph.D. (Dibrugarh)	Associate Professor & Head	Indian English Lit., Literary & Cultural Theory	15	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Sujata Gurudev	M.A., M.Phil., Ph.D. (NEHU)	Professor	American Lit., Modern British Fiction	26	13
Dr. Angela R. W. Ingty	M.A.(Gauhati Univ.); M.Phil. (Madras Christian College); PGDTE (CIEFL, Shillong); Ph.D. (NEHU)	Associate Professor	Language & Linguistics, British Poetry	39	03
Mr. Raj Shekhar Thakur	M.A. (Patna University)	Assistant Professor	Applied Linguistics, Literary Theory & Criticism	35	00
Dr. Ramona M. Sangma,	M. A; Ph.D. (NEHU)	Assistant Professor	Postcolonial Lit., Literary Theory & Criticism, Ethno-Literature	17	04
Dr. Jova C. Marak	M.A; Ph. D. (NEHU)	Assistant Professor	Indian Writing in English, Women's Writing	05	02
Dr. Namrata Pathak	M.A.(Gauhati Univ) M. Phil. Ph.D. (EFLU)	Assistant Professor	British & Continental Drama, Literary Theory, Gender Studies	04	01
Dr. L K Gracy	M.A. Ph.D. (NEHU)	Assistant Professor	British Fiction, British Poetry	14	01

Table 3.66: Faculty Profile of the Department of English (Tura Campus).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

- i. Prof. Nurul Hassan, Retd. Professor, NEHU, Shillong
- ii. Prof. Pradip Acharya, Retd. HOD, Cotton College, Guwahati
- iii. Prof. Tapan Kumar Ghosh, Retd. HOD, Rabindra Bharati University, Kolkata
- iv. Dr. Dwijen Sharma, Central University of Jharkhand, Ranchi
- v. Dr. Anjali Daimairi, Gauhati University, Guwahati
- vi. Dr. Fardina Hussain, Gauhati University: Kokrajhar Campus, and





vii. Dr. Bibhash Choudhury, Gauhati University, Guwahati

13. Percentage of classes taken by temporary faculty-programme- wise information:

Programme	2009-10	2010-11	2011-12	2012-13	2013-14
MA	19.5%	-	18%	-	-

14. Programme-wise Student Teacher Ratio:

Programme	2009-10	2010-11	2011-12	2012-13	2013-14
MA	10:1	10:1	10:1	7.5:1	7.3:1
PhD	0.66:1	-	1.4:1	-	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA	0	0
LDC/ TA	0	1 (Temporary)
MTS/ Lab Asstt.	0	0

16. Research thrust areas recognized by funding agencies: *NA*

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: *NA*

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:

(a) All India collaboration: *Nil*

(b) International: *Nil*

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*

20. Research facility / center with Recognition: *Nil*

State Recognition:

National Recognition:

International Recognition:

21. Special research laboratories sponsored by / created by industry or corporate bodies: *NA*.



## 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	29	-	29
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	9	-	9
Edited Books	2	-	2
Books with ISBN with details of Publishers	4	-	4
Number listed in International Database		-	
Citation Index - range / average		-	
SNIP		-	
SJR		-	
Impact Factor - range / average		-	
h-index		-	

Table 3.67: Detailed Publications of the Department of English (Tura Campus).

23. Details of patents and income generated: *Nil*.24. Areas of consultancy and income generated: *Nil*.25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *NA*

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. Sujata Gurudev, Dwijen Sharma, Dr. Angela W. Ingtly, R. S. Thakur, Dr. Jove C Marak, Dr. Namrata Pathak, and Dr. L. K. Gracy	Co-Editor of Protocol: Journal of Translation, Creative and Critical Writings (Funded by ICSSR, New Delhi)
Dr. Ramona Sangma	i. Editor of Protocol: Journal of Translation, Creative and Critical Writings ii. Editor of Kimpret, a bilingual Journal iii. Correspondent for NEHU News Letter
Prof. Sujata Gurudev, Dr. Ramona Sangma, and Dr. L K Gracy	Member of the Editorial Borad of <i>Duramong</i> , an Annual Campus Magazine of NEHU, Tura Campus
<i>Any Other (Please specify)</i>	
Dr. Angela W. Ingtly	i. Member of Meghalaya State Commission for Women from 2011-14 ii. Permanent member of Lok Adalat, West Garo Hills, Meghalaya

Table 3.68: Faculty of the Department of English (Tura Campus) Serving in Committees, Editorial Boards etc..



## 27. Faculty recharging strategies:

- (a) Refresher Course - 2  
(b) National Seminars - 1

## 28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Dr. Jova C. Marak	Rajiv Gandhi Post Doctoral Fellowship	-	-	-	-
Dr. L. K. Gracy	-	-	Rajiv Gandhi Post Doctoral Fellowship	-	-
<i>Students</i>					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Cultural and Ethnic Persistence: Towards Understanding Identities (5-6 November, 2009)	ICSSR, NEW Delhi: ₹ 50,000/-, ICHR: ₹ 80,000/-, New Delhi, CIIL, Mysore: ₹ 1,50,000/-, NEC, Shillong: ₹ 1,50,000/-, ICSSR-NEC, Shillong: ₹ 40,000/- (Total: ₹ 4,70,000/-)	Prof. Sujata Miri Prof. K C Baral Prof. D. Venkat Rao Prof. P. Acharya Prof. J L Handoo Prof. Jayati Gupta Prof. Raj Rao (Total Participants: 100)
<i>International</i>		
-	-	-

## 31. Code of ethics for research followed by the Department/ Centre:

- Honesty,
- Integrity,
- Objectivity,
- Encouraging responsible Publications,



➤ Inculcating respect for Intellectual Property

32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA PhD	80	7	26	100	100
2010-11 MA PhD	98	7	21	100	100
2011-12 MA PhD	90	9	24	100	100
2012-13 MA PhD	55	4	24	100	100
2013-14 MA PhD	70	2	29	100	100

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA PhD	90.9	-	9.1	-
2010-11 MA PhD	90.9	-	9.1	-
2011-12 MA PhD	87.8	-	12.2	-
2012-13 MA PhD	87.8	-	12.2	-
2013-14 MA PhD	93.9	-	6.1	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- MCS 3 (ST),
- NET 4 (ST).



## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG/M.Phil. to Ph.D.	1.5%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	NA
<input type="checkbox"/> Others	90%
Entrepreneurs	5%

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	37.5%	50%	62.5%	12.5%
from other universities within the State	-	-	-	-
from universities from other States	50%	40%	25%	37.5%
from universities outside the country	-	-	-	-

## 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

- Dr. Angela W. Ingty,
- Dr. Ramona M. Sangma,
- Dr. Namrata Pathak, and
- Dr. L. K. Gracy.

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes, Departmental Library
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	Yes
<i>Students' laboratories</i>	NA
<i>Research laboratories</i>	NA

## 39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	i. Barbara S. Sangma, ii. Lucy Marak, iii. Gopal Barman, and iv. Preetinicha Barman.	-
2010-11	-	-



2011-12	i. Subhash Ch. Das, ii. Chandrajit Bose, iii. Lohit K. Ray, iv. Cherek D. Sangma, v. Endy Smera M. Marak, vi. Sanatombi K. Sangma, vii. Curlyana J. T. Sangma, viii. Firdousa Begum, ix. Shanon Pale Marak, and x. Jena G. Momin	-
2012-13	-	-
2013-14	i. Minakshi Talukdar, ii. Surya Yasmin, iii. Pharmenash Ch. Marak, iv. Deisami Sumer, v. Balakynthiew Syngkli, vi. Bijime R. Marak, vii. Annie Jane C. Mawkhiew, viii. Dikari Bonnie Lamare	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
21	23	23	16	24

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *NA*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, it is placed in the BOS and School Board*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, it is forwarded to the University for necessary action*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*No*

43. List the distinguished alumni of the department (maximum 10):

- i. Hazel D. B. Sangma, MCS,
- ii. Annie Valen D. Shira, MCS,
- iii. Twinkle Suhasini R. Marak, MCS,
- iv. Tengchi G. Momin, MCS,
- v. Laben Ch. Marak, MCS,
- vi. Bruno A. Sangma, MPS,



- vii. Meeta W. Momin, Dy. Director (Academic), MBOSE,
  - viii. Jogesh B. Sangma, Vice Principal, Don Bosco College, Tura,
  - ix. Dr. Jova C. Marak, Assistant Professor, NEHU, and
  - x. Dr. L K Gracy, Assistant Professor, NEHU
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- (a) Visiting professors from the reputed Indian universities delivering special lectures at different points of time, and
  - (b) Prof. Walter Pereira of University of Peredinia, Sri Lanka delivered a couple of lectures on Sri Lankan fiction. The students and research scholars also had separate one-to-one interactions with him.
45. List the teaching methods adopted by the faculty for different programmes:
- (a) Lecture,
  - (b) Audio-visual method,
  - (c) Interactive and Transactive,
  - (d) Play Enactment
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- (a) Internal Assessment,
  - (b) Classroom Interactions, and
  - (c) Performances in extra-curricular activities.
47. Highlight the participation of students and faculty in extension activities:
- (a) Women's Commission of Meghalaya,
  - (b) Spiritual Awareness Drive,
  - (c) Offering help to Achik and other literary societies, and
  - (d) Helping other departments
48. Give details of "beyond syllabus scholarly activities" of the department:
- (a) Condolence meeting on the death of Ananthamurthy,
  - (b) Centenary celebration of Dylan Thomas,
  - (c) Poets Meet,
  - (d) Performance of a Play,
  - (e) Dialogues with visiting professors, and
  - (f) Environment Awareness Programme
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Being aware of the limitations of the applicability of the Western literary/critical theories, the department is engaged in developing appropriate tools for reading Indian texts.*



## 51. Future plans of the department:

- (a) Offering M. Phil Programme,
- (b) Opening a centre for Translation Studies,
- (c) Establishing a Language Laboratory,
- (d) Collaborative research with other national and International Institutions,
- (e) Applying for UGC SAP,
- (f) Undertaking major research projects,
- (g) Publishing reading materials for students,
- (h) Showcasing ethnic literatures in the virtual media, and
- (i) Establishing a performing repertoire.

## 52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Team work,
- Capacity for Innovative Teaching,
- Good Student-Teacher relationship,
- Organisational and Performance Skills,
- Active involvement in Corporate life

**Weaknesses:**

- Inadequate proportion of teacher-student ratio,
- Lack of adequate Publications,
- Lack of adequate participations in National/International Seminars,
- Lack of Research Projects, Lack of Extension Work

**Opportunities:**

- Opportunity for Extension Work,
- Offering special classes for NET/other competitive exams,
- Opportunity for producing learning/teaching materials in English,
- Opportunity to document oral literature,
- Opportunity to develop Communicative/ functional English

**Challenges:**

- Developing a distinct identity for the Department,
- Contributing to the learning economy, Inadequate faculty members,
- No permanent supporting staff,
- No financial autonomy,
- Geographical remoteness of the department from the Headquarter





### 3.19.1 List of Publications (2009 - 2014)

#### 1. Dr. Dwijen Sharma:

##### (a) Research Paper in Journals:

- i. "Politicising Language in the context of Postcolonial African Countries," Protocol, Vol. VII, No. I, Spring 2013, pp. 74-85, ISSN 09739807
- ii. "Resistance to Exclusionary Politics: A Reading of Rushdie's The Moor's Last Sigh," Pursuits, Vol. XII, October-November 2014, pp. 233-41, ISSN 0974-7400
- iii. "Subverting Geopolitical Boundaries: A Reading of Ghosh's In An Antique Land," Pragati's English Journal, Vol. 14, No. 2, December 2014, pp. 08-12, ISSN 0975-4091
- iv. "Tug-of-War in/for Kashmir: A Reading of Rushdie's Shalimar the Clown," Reflections, Vol. XIII & XIV, No. 1 & 2, January & July 2014, pp. 117-24; ISSN 0973-046X

##### (b) Chapters in Edited Books:

- v. "Mrityunjay: A Symptomatic Reading," in Indian Fiction in Translation: Issues and Explorations, ed. Dwijen Sharma, Guwahati: MRB Publishers (India), 2014; pp. 234-48; ISBN 978-81-924953-5-4
- vi. "Miss World Contest: Interplay of Sexuality, Nationalism and Globalisation," in Globalisation to Glocalisation: A Multidisciplinary Perspective, ed. Rustam Brahma, Akansha Publishing House, Delhi, 2015; pp. 238-44; ISBN 978-81-8370-421-2

##### (c) Edited Books:

- vii. Indian Fiction in Translation: Issues and Explorations. Guwahati: MRB Publishers (India), 2014

#### 2. Prof. Sujata Gurudev:

##### (a) Research Paper in Journals:

- i. "To E.N. Lall", Protocol:JTCCW, Vol, IV No. 1 & 2, Winter & Spring, 2010
- ii. "Postmodernism: An Overview" Source: A Peer Reviewed Journal of Humanities and Social Science, Vol. I, Issue I, August-2011, ISSN 2250 0642

##### (b) Chapters in Edited Books:

- iii. "Ethnicity and Individual Identity: A textual Overview" in Culture and Ethnic Persistence: Towards Understanding Identities. R. S. Thakur & J. Prodhani (Eds.), Guwahati: DVS Publications, 2014. Pp. 39-42
- iv. "Hermann Hesse's Siddhartha as a Narrative". In Indian Fiction in Translation: Issues and Explorations. Dwijen Sharma (Ed.), Guwahati: MRB Publishers (India), 2014. Pp.118- 135

##### (c) Books:

- v. Mansarovar (A collection of Poems), New Delhi: Sanbun Publishers, 2013

#### 3. Dr. Angela W Ingty:

##### (a) Research Paper in Journals:



- i. "The place of Garo among the languages of the world." Source: a journal of Humanities and social sciences. 2011: 62-70. ISSN 2250 0642.
  - ii. "Calqued and Coined words of the Garo language". PROTOCOL a journal of translation, creative & critical writing. 2011-12:201-5. ISSN 0973 9807
- (b) Chapters in Edited Books:
- iii. "Loan Words of the Garo Language". In Conference Proceedings of the Thirty First Session of the North East India History Association. 2011
  - iv. " A Critical Analysis of Moral Values handed down through Folk Tales to the Garos," in Post Colonial Writings in the Tribal Languages of North East India. Shillong: Society for Khasi Studies, 2011. Pp.131-32
  - v. "The SCM's Influence is Deep in Our Lives" (page 5); "The role of North East India in Shaping the SCM in India" (pages52-53); "Building the Spiritual Strength of Students through Work and Bible Study" (pages 69-70) in Faith in Action: the Story of the Student Christian Movement of India. Student Christian Movement of India, 2012
  - vi. "Seventy Five Years of Ecumenism' in History of the SCM-NEI. Student Christian Movement of India – NorthEast India, 2012
  - vii. "People's Linguistic Survey of India with Specific Reference to the Garo Language" in People's Linguistic Survey of India: The languages of Meghalaya, Vol. Nineteen, Part II. G. N. Devy, Esther Syiem (eds.). Delhi: Orient Black swan Pvt. Ltd, 2014
  - viii. "The Hundred Drums Wangala Festival of the Garos." In Culture, Ethnicity and Identity: A Reader. Jyotirmoy Prodhani & R. S. Thakur (Eds.) Guwahati: DVS Publishers, 2014, Pp. 246- 251
  - ix. Rudali: A Story of Exploitation, Struggle and Survival. In Indian Ficion in Translation: Issues and Explorations. Dwijen Sharma (Ed.) Guwahati: MRB Publishers (India), 2014. Pp. 208- 233
4. Mr. R S Thakur:
- (a) Research Paper in Journals:
- i. Thakur, R. S. and Jyotirmoy Prodhani. (Eds.) Culture, Ethnicity and Identity: A Reader. Guwahati: DVS Publishers, 2014.
5. Dr. Ramona M. Sangma:
- (a) Research Paper in Journals:
- i. "The Sun and the Moon", Kimpret Vol. II, No. 1. 2010,
  - ii. "Post Colonialism and Literature- An Overview" Source: A Peer Reviewed Journal of Humanities and Social Sciences, Vol. II, 2012: 27-35, and
  - iii. "Modern Achik Poetry" Muse India e-journal, Issue 47, Jan-Feb 2013.
- (b) Chapters in Edited Books:
- iv. "Sacred Groves: Their Significance and Importance among the Garos". In Culture, Ethnicity and Identity: A Reader. Jyotirmoy Prodhani & R. S. Thakur (Eds.) Guwahati: DVS Publishers, 2014. Pp. 258- 262.
- (c) Books:



- v. Cultural Conflict in V S Naipaul's Indian Trilogy, Delhi: Author Press, 2013.
6. Dr. Jova C. Marak:
- (a) Research Paper in Journals:
- i. "Violence Against Women in A'chik Society" Literary Endeavour: A Quarterly International Referred Journal of English Language, Literature and Criticism, Vol. I, No-4, January 2011. Pp. 128-131.
- (b) Chapters in Edited Books:
- ii. "The Ethnic Divide and the Garos" in Culture and Ethnic Persistence Towards Understanding Identity, R.S Thakur and Dr. J. Prodhani (Eds.), Guwahati: DVS Publishers, 2014. Pp. 252-57
- (c) Books:
- iii. 1. From Literary Naturalism to Hopeful Humanism. Guwahati: Eastern Book House, 2010.
7. Dr. Jova C. Marak:
- (a) Research Paper in Journals:
- i. "The Self in Drama: Creating/Constructing Spaces" in Mahesh Dattani's Bravely Fought the Queen". Galaxy: International Multidisciplinary Research Journal. Vol.1, Issue I, 2012. ISSN No.2278-9529
- ii. "Performing the Self: The Politics of Power in the Assamese Playwright Arun Sharma's Plays." Negotiations, Vol. 2, 2012: 107-115. ISSN 2250-0707
- iii. "Korzybski in the World of Theatre: "Structure" in Augusto Boal's Theatre of the Oppressed." Aneekant: A Journal of Polysemic Thought, Vol. I, 2013: 93-98. ISSN 2320-6195
- iv. "In and Out of Freud's Cave: Helene Cixous, 'Representation,' and 'Theatre.'" Protocol: Journal of Translation, Creative and Critical Writings, Vol. III, Issue I, Spring, 2013: 32-38. ISSN 0973-9807
- v. "The "Woman" in Assamese Marriage Songs: Society, Tradition, and Transition" Muse India, the Literary ejournal, Issue 59, Jan-Feb, 2015. ISSN 0975-1815
- (b) Chapters in Edited Books:
- vi. "Of Spaces and Margins: A Reading of Bhisham Sahni's Tamas" in Indian Fiction in Translation: Issues and Explorations. Guwahati: MRB Publishers, India, 2014. Pp. 88-101. ISBN- 978-81-924953-5-4
- (c) Books:
- vii. Trends in Contemporary Assamese Theatre. New Delhi: Partridge India, 2015.
8. Dr. L. K. Gracy:
- (a) Research Paper in Journals:
- i. "Evolutionary Thrust in Golding's Lord of the Flies and The Inheritors, Protocol Vol. V No.1 & 2, 2012:107-115
- ii. "Posthumour Self in Golding's Pincer Martin," Source, Vol. 2 Issue 2, 2012:74-81



### 3.20 Department of Garo (Tura)

1. Name of Department : GARO (Tura Campus)
2. Year of establishment : 1996
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M. A. (Garo) and Ph.D.
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit System (Semester System)
9. Participation of the department in the courses offered by other departments. : Participated in the Refresher Courses, Orientation Programmes courses offered by the Deptts. of English, Education, Rural Development and Agriculture Production & District Library, Tura, A.chik Literature Society, Tura & Nokma Council, Tura
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	1
Assistant Professor	4	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr . Fameline K. Marak,	M.A. (Sociology) & Ph.D. (NEHU)	Associate Professor	Folkloristic, Traditional & Modern Poetry	19	5 (ongoing)



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Jacqueline R. Marak	M. Ed. (Utkal University) & Ph.D. (NEHU)	Assistant Professor	Fictional Studies, Translation, Drama	19	2 (ongoing)
Dr. Dokatchi Ch. Marak	M.A. (Garo); M.A. (Linguistics); Ph.D. (NEHU)	Assistant Professor	Linguistics	13	4(ongoing)
Mr. Crystal Cornelious D. Marak	M.A. (Garo)	Assistant Professor	Fictional Studies	3	-

Table 3.69: Faculty Profile of the Department of Garo (Tura).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*.
14. Programme-wise Student Teacher Ratio: *MA (Garo): 8.25:1; Ph.D.: 3.6:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	1
MTS/ Lab Asstt.	-	1

16. Research thrust areas recognized by funding agencies:
  - (a) Literature
  - (b) Language
  - (c) Folklore
  - (d) Folk literature & Folk Performing Arts
  - (e) A'chik Folklore
  - (f) Cultural Studies
  - (g) Literature in Translation
  - (h) Comparative Literature
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*
  - International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / center with Recognition: *Nil*
- State Recognition:
  - National Recognition:
  - International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team) *Please refer to (Section 3.20.1, pp. 497) and (Section 3.20.2, pp. 498) for details.*

	Total	National	International
<b>Number of papers published in peer reviewed journals (national/ international)</b>	9	9	-
<b>Monographs</b>	-	-	-
<b>Chapters in Books/Papers in conference proceedings</b>	9	-	-
<b>Edited Books</b>	7	-	-
<b>Books with ISBN with details of Publishers</b>		-	
<b>Number listed in International Database</b>		-	
<b>Citation Index - range / average</b>		-	
<b>SNIP</b>		-	
<b>SJR</b>		-	
<b>Impact Factor - range / average</b>		-	
<b>h-index</b>		-	

Table 3.70: Detailed Publications of the Department of Garo (Tura).

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*



26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Fameline K. Marak	All India Poetess Conference, India
Dr. Jacqueline R. Marak	All India Poetess Conference, India 2014 till date
Dr. Dokatchi Ch. Marak	Life Member of All India Poetess Conference, Member, People's Linguistic Survey of India, 2011 till date
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Dr. Fameline K. Marak	<ul style="list-style-type: none"> <li>- Member, Duramong, Campus Annual Magazine, NEHU, Tura Campus (for Garo Section),</li> <li>- Member, Chibasal, A'chik Evangelical Union, Tura</li> <li>- Member, Souvenir, Koknal Mahari Association Silver Jubilee Celebration, Tura, 2013,</li> <li>- Editing Garo translation from Pressing Towards the Goal by Sundar A. Sangma, Tura, 2015(ongoing),</li> <li>- Translated from English to Garo language 10 Poems from a Poetry Book written by Prof. Lari Azad, January- March, 2015</li> </ul>
Dr. Jacqueline R. Marak	<ul style="list-style-type: none"> <li>- Member, Duramong, (Garo Section), Campus Annual Magazine, NEHU, Tura Campus 2011-13,</li> <li>- Member, Nokdangni Ripeng Magazine, Mothers' Union, Tura 2015-18,</li> <li>- Member, Mikaoa Magazine, Garo Graduate Union 2013-16</li> </ul>
Dr. Dokatchi Ch. Marak	<ul style="list-style-type: none"> <li>- Duramong, Campus Annual Magazine, NEHU, Tura Campus, Tura (for Garo Section) since 2009 till date,</li> <li>- Nokdangni Ripeng, Mothers' Union, Tura 2015-17,</li> <li>- A'chikni Ripeng, ABDK, Tura Annual Magazine 2014-17,</li> <li>- Chokchim, ABDK, Tura, 2015-18,</li> <li>- Protocol, Journal of Translation Creative and Critical writings, Tribal Literary Forum of India Regd. N.G.O. in North East India (Advisory Board), 2013-16 Chairman, Board of Scrutiny, ALS, Tura, 2014-2017.</li> </ul>
Mr. Crystal Cornelious D. Marak	<ul style="list-style-type: none"> <li>- Member, A'chik Ku'rang, from 2009 -2011,</li> <li>- Edited a book, Jikrongdik by Awensing S. Rongmuthu in 2013,</li> <li>- Chief Editor, Mikaoa, since 2014 till date,</li> <li>- Member, Editorial Board, Duramong, Annual Magazine, NEHU, Tura Campus, Tura 2015</li> </ul>
<i>Any Other (Please specify)</i>	



Name of Faculty	Name of Committee
Dr. Fameline K. Marak	<ul style="list-style-type: none"> <li>- Chairman, BUGs/BPGS (in Garo) from 2013 till date,</li> <li>- Member, BPGS, Deptt. of Linguistics from 2012-15,</li> <li>- Chairman, Board of Studies (in Garo) from 2013 till date,</li> <li>- Member, School Board of Humanities, NEHU, Shillong 2011 -13, as HOD from 2013 till date,</li> <li>- Member, Academic Council, NEHU, Shillong as HOD from 2013 till date,</li> <li>- Member, Board of Studies, Department of Hindi, NEHU, Shillong (from August 2014-17),</li> <li>- Member, Governing Body, Durama College, Tura, - Member, Governing Body, Ampati College, Ampati, - Member, Governing Body, Tura Don Bosco College, Tura w.e.f. October, 2013-16,</li> <li>- Member, NEHU Court, NEHU, Shillong (as HOD),</li> <li>- Member, College Inspection/Visiting Team to various Colleges in Garo Hills, Meghalaya - Durama College, Tura (2014-17), Williamnagar College, Williamnagar, Tikkrikilla College, Tikkrikilla, Kaji Zaman College, Acheng Rangmapa College, Mahendraganj (2014-17), Nongrum College, Zikabari, Mendipathar College, Mendipathar, Phukan Memorial College, Dalu,</li> <li>- Member, the Programme Advisory Committee, State Resource Centre NEHU, Shillong from July 2013-2016,</li> <li>- Member, Governing Body, Mt. Penuel School, Williamnagar from 2009 till date,</li> <li>- Founder Member &amp; Member of Governing Body, Freedom Happy Home, Samchonggre, West Garo Hills, Meghalaya.</li> <li>- Founder Member &amp; Member, Governing Body, Esther Home, Upper Chandmari, Tura.</li> <li>- Life Member &amp; Executive Member, A'chik Literature Society, Tura, Meghalaya.</li> <li>- Assistant Publisher, A'chik Literature Society, Tura 2014 till date,</li> <li>- Life Member of Garo Graduate Union, Tura, Meghalaya.</li> <li>- Life Member of A'chik Evangelical Union, Tura, Meghalaya,</li> <li>- Literature Secretary, A'chik Evangelical Union, Tura, Meghalaya,</li> <li>- Member, Interview Board in Colleges –Ampati College (2013), Durama College (2010) in Garo Hills, Meghalaya,</li> <li>- Member, Campus Hostel Management Committee, NEHU, Tura Campus, 2013,</li> <li>- Member, Review Committee of the A'chik Literature Society, Tura, to review MBOSE Garo Text Books in 2010- 2011,</li> <li>- Committee Member, for Standardization of A'chik Language Spelling in the 2011 till date,</li> <li>- Member, Executive Committee of A'chik Literature Society for the A.L.S. Golden Jubilee Celebration in the year 2013,</li> <li>- Member, Advisory Committee for the Government on the State Literary Award to the Garo Literature from the year 2008-2012 under the Directorate of Arts &amp; Culture Department, Government of Meghalaya.</li> <li>- Member, the Selection Committee for the District Literary Award in 2008 &amp; 2011,</li> <li>- Nodal Member (for Garo Language) in a Project taken up by Anwasha, Guwahati for translating folktales, drama, fiction, etc. into Six languages of in NE India e.g. Assamese, Boro, Garo, Khasi, Manipuri, Mizo.</li> <li>- Member, Academic Core-Committee, MBOSE, May, 2015 till date</li> </ul>





Name of Faculty	Name of Committee
Dr. Fameline K. Marak	<ul style="list-style-type: none"> <li>- Resource Person, lecture on the Importance of Folklore in the Field of Literature in Refresher Course in collaboration with the Deptts. English and Garo, NEHU, Tura Campus, Tura in 2013,</li> <li>- One Day Lecture on the Life &amp; Contribution of Mahatma Gandhi at Asanang for the Members of Adult Literature Group on 2<sup>nd</sup> October, 2013,</li> <li>- Presented a Paper on the Relationship between Folklore and Literature in One Day Seminar organised Tura Government College, Tura in 2014,</li> <li>- Panelist in Panel Discussion on 14<sup>th</sup> May, 2015 at Creative Arts Literature &amp; Music (Calm) Festival organised by Govt. of Meghalaya, Deptt. of Arts &amp; Culture, Shillong, w.e.f. 13<sup>th</sup> -16<sup>th</sup> May, 2015</li> </ul>
Dr. Jacqueline R. Marak	<ul style="list-style-type: none"> <li>- Member, Academic Council, NEHU, Shillong (during Teacher I/C of the Deptt.) 2009-12</li> <li>- Chairman, Board of Post Graduate Studies (in Garo) during Teacher I/C of the Deptt. 2009-12</li> <li>- Member, Board of Post Graduate Studies (in Garo) 2013-15</li> <li>- Member, Board of Post Graduate Studies, Deptt. of English, NEHU, Shillong 2014-17</li> <li>- Member, Board of Post Graduate Studies, Deptt. of Hindi, NEHU, Shillong 2011-2014</li> <li>- Member, Campus Advisory Committee, NEHU, Tura Campus, 2015.</li> <li>- Member, School Board, NEHU, Shillong (during Teacher In-charge of the Deptt.) 2009-12, 2014-17</li> <li>- Member, Governing Body, Durama College, Tura 2011-14</li> <li>- Member, Governing Body, A'cheng Rangmanpa College Mahendraganj, South-West Garo Hills 2011-14</li> <li>- Member, Governing Body, Mendipathar College, North Garo Hills 2013-15,</li> <li>- Member, Governing Body, Tura Don Bosco B.Ed College, Tura 2010-12</li> <li>- Life Member, A'chik Literature Society, Tura</li> <li>- Life Member, Garo Graduate Union, Tura</li> <li>- Board Member, Paper Setters/Moderators/Examiners (Garo) UG &amp; PG, since 2009 till date &amp; Ph.D since 2011 till date,</li> <li>- Member, College Inspection Team to various Colleges - Durama College, A'cheng Rangmanpa College, Nongrum College, Mendipathar College, Tikkrilla College, Phukan Memorial College, Loyla College and Zekabari College.</li> <li>- Member, Departmental Purchase Committee, Deptt. of Garo, NEHU, Tura Campus, Tura 2009-15.</li> <li>- Member, Campus Purchase Committee, NEHU, Tura Campus, Tura 2011-2012.</li> <li>- Member, Library Committee, NEHU, Tura Campus, Tura 2011-12.</li> <li>- Chairman, Standardisation of A'chik Spellings, 2014 till date, ALS. Tura.</li> <li>- Member of Governing Body, Capt. Williamson Memorial College, Baghmara, South Garo Hills, 2013-16,</li> <li>- Member, Admission Committee (P.G. &amp; Ph.D) Management Committee, 2012-15.</li> <li>- Member, Admission Committee (P.G. &amp; Ph.D) English Deptt., Tura Campus, 2011</li> </ul>



Name of Faculty	Name of Committee
Dr. Dokatchi Ch. Marak	<ul style="list-style-type: none"> <li>- Member, Academic Council, NEHU, Shillong during Teacher I/C of the Deptt. (2011-2013)</li> <li>- Member of Board of Under Graduate Studies (in Garo) from 2009 – 2015</li> <li>- Member, Board of Post-Graduate Studies (in Garo) from 2009 -2015</li> <li>- Member, Board of Post-Graduate Studies in Linguistics 2009-2011, 2014-2017.</li> <li>- Member, Board of Post-Graduate Studies in Department of Khasi, NEHU, Shillong 2009-2015</li> <li>- Chairman, Board of Under Graduate Studies (in Garo) from 2011-2012 during Teacher I/C of the Deptt.</li> <li>- Chairman, Board of Post-Graduate Studies (in Garo) 2011-2012 during Teacher I/C of the Deptt.</li> <li>- Chairman, Departmental Purchase Committee -2011-2012 during Teacher I/C of the Deptt.</li> <li>- Member of Departmental Research Committee-2011-2012 (Ph. D), Deptt. of Garo</li> <li>- Member of Admission Committee in the Department since 2011 till date</li> <li>- Member of Department Library Committee since 2011-2012</li> <li>- Member of School Board of Humanities 2011-2012</li> <li>- Member, N.E.H.U Court 2011-2012 during Teacher I/C of the Deptt.</li> <li>- Library Enquiry Committee, N.E.H.U Tura 2011-2012</li> <li>- Member of Plan Working Group, N.E.H.U Tura Campus, 2011-2012</li> <li>- Chairman, P.G Admission Committee, Deptt. of Garo, 2011-2012</li> <li>- Team Member of College Inspection Zekabari College 2012-2015</li> <li>- Team Member of College Inspection, Williamnagar Govt. College 2013 till date</li> <li>- Team Member of College Inspection, Durama College 2013 till date</li> <li>- Team Member of College Inspection, Loyola College, Williamnagar-2013 till date</li> <li>- Warden, NEHU, PG Girls' Hostel, Tura Araimile, Tura since 2015 till date</li> <li>- Board Member, Paper Setters/ Moderators/ Examiners (Garo) UG &amp; PG, since 2009 till date &amp; Ph.D since 2011 till date</li> <li>- Committee Member, for Standardization of A'chik Language Spelling in the 2011- till date. - Member, State Literary Award 2011-2015, under the Directorate of Arts &amp; Culture Department, Government of Meghalaya.</li> </ul>
Mr. Crystal Cornelious D. Marak	<ul style="list-style-type: none"> <li>- Member, Board of Studies, Department of Garo, NEHU, Tura Campus, Tura from 2013 till date</li> <li>- Member, Board of Studies, Deptt. of Philosophy, NEHU, Shillong from 2013 till date</li> <li>- Life Member, Garo Graduates' Union, Tura</li> <li>- Life Member, A'chik Literature Society, Tura</li> <li>- Member, Departmental Students' Welfare, Dept. of Garo, NEHU, Tura from 2014 till date</li> <li>- Member, Campus Beautification, NEHU, Tura from 2014-2015</li> <li>- Joint Secretary, A'chik Liretaure Society, Tura, October, 2011-2014</li> <li>- Secretary, A'chik Literature Society, Tura, from November 2014 till date</li> <li>- Member, Review Committee of the MBOSE Garo Text Books organised by A'chik Literature Society, Tura in the year 2010- 2011</li> </ul>



Name of Faculty	Name of Committee
Mr. Crystal Cornelious D. Marak	<ul style="list-style-type: none"> <li>- Committee Member, for Standardization of A'chik Language Spelling in the 2011- till date.</li> <li>- Member, Executive Committee of A'chik Literature Society for the A. L. S. Golden Jubilee Celebration in the year 2013.</li> <li>- Member, Advisory Committee for the Government on the State Literary Award to Garo Literature from the year 2013-2015, under the Directorate of Arts &amp; Culture Department, Government of Meghalaya.</li> </ul>

27. Faculty recharging strategies: *Refresher Courses, National Seminars & Workshops, Remedial Courses*

i.	Number of National Seminar:	3
ii.	Number of Regional Seminar:	1
iii.	Number of National Symposium:	-
iv.	Number of Refresher Course/Orientation programme/ School:	2
v.	Number of MDP/EDP/ESDP:	-
vi.	Number of Workshop:	1
vii.	Number of International Academic Collaboration Programme:	-
viii.	Programme for Release of International Journal:	-
ix.	Remedial Courses	2
x.	2013 on Study of Literature & Language (4hrs x 3 days=12 classes/12hrs)	
xi.	2015 from 15th March to 15th June for 3 months on Study of Literature & Translation every Saturdays 3hrs=3 classes (10:00am -1:00pm.)	

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	Nil
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. Faneline K. Marak	-	-	-	-	All India Poetics Conference 'Sarojini Naidu Award', 14th March, 2015 at Gulbarga, Karnataka



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Mr. Crystal Cornelious D. Marak	-	-	'State Literary Award – 2009', 17th February, 2012 at Shillong, Meghalaya	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
PhD	4	-	-	-	11 Scholars (ongoing)
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National Seminar on Folklore & A'chik Literature 29th - 30th October, 2009	NEC :: ₹ 1 Lakh NEHU :: ₹ 0.35 lakh	Assam, Manipur, Kolkata & Meghalaya
National Seminar on Folklore and A'chik Literature , 7th - 8th October, 2010 in collaboration with Sahitya Akademi, Regional Office	ICSSR:: ₹ 0.75 lakh PVC, NEHU, Tura Campus:: ₹ 0.35 lakh	Assam, Nagaland, Manipur, Tripura, Kolkata & Meghalaya
National Seminar on Situating Tura Town, West Garo Hills' organised by Deptt. of History and Archaeology and Deptt. of Garo in collaboration with A'chik Literature Society, Tura, 5th -7th June, 2014	(Responsibilities for funding & expenditures taken by Deptt. of Hist. & Archaeology, NEHU, Tura Campus)	Assam, Manipur, Tripura, Kolkata, Varanasi & Meghalaya
Regional Seminar on "Creation Myths in different North-Eastern Languages" on 15th - 16th November, 2010	North- East Centre for Oral Literature (NECOL)	West Bengal, Assam, Nagaland, Mizoram, Sikkim and Tripura
Hosted the second phase of Garo-Bengali Translation Workshop on 19th and 20th February, 2011	Sahitya Akademi, Regional Office, Kolkata (full payments done by the funding agency)	West Bengal
<i>Refresher Course</i>		
Refresher course in "English and Comparative Literatures" organised by Deptt. of English and Deptt. of Garo, NEHU, Tura Campus w.e.f. 3rd - 23rd March, 2011	GC- Academic Staff College, NEHU, Shillong (responsibilities for expenditures/payments done by the Deptt. of English, NEHU, Tura Campus & Academic Staff College, NEHU, Shillong)	Assam & Meghalaya



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Refresher course in "English and Comparative Literature and Language," organised by Deptt. of English & Deptt. of Garo, NEHU, Tura Campus w.e.f. 6th -26th May,2013	College, NEHU, Shillong (responsibilities for expenditures/payments done by the Deptt. of English, NEHU, Tura Campus & Academic Staff College, NEHU, Shillong)	Assam & Meghalaya
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Yes. Monitoring / guidance in field studies, evaluation, pre-submission besides viva-voce, etc*

32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected			
		Male	Female	Total Admitted	Pass %
2009-10 M.A.(Garo) Ph. D.	48 -	13 -	20 -	33 -	45% 100%
2010-11 M.A.(Garo) Ph. D.	55 -	9 -	24 -	33 -	39% -
2011-12 M.A.(Garo) Ph.D.	38 7	10 3	23 4	34 Ongoing	61% -
2012-13 M.A.(Garo) Ph.D.	51 -	7 -	26 -	33 Ongoing	61% -
2013-14 M.A.(Garo) Ph.D.	99 3	6 2	27 1	Ongoing Ongoing	

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA/MSc PhD	100 -	- -	- -	- -
2010-11 MA/MSc PhD	100 -	- -	- -	- -
2011-12 MA/MSc PhD	100 100	- -	- -	- -



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2012-13 MA/MSc PhD	100 - -	- - -	- - -	- - -
2013-14 MA/MSc PhD	100 100	- -	- -	- -

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

UGC – JRF – NET	2 (1 Folk Literature+1Linguistics)
UGC – Lect – NET	7 (6 Folk Literature + 1 Linguistics)
Meghalaya Civil Services	Nil
Meghalaya Finance Services	Nil
Accountant General	Nil

35. Student progression: *NA*

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	100% ( 11 out of 11)
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	2.9%
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	100%	100%	3	-
from other universities within the State	-	-	-	-
from universities from other States	-	-	-	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *04 (PhD) during 2009-14*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes. Departmental Library in the Department.
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<i>Internet facilities for staff and students</i>	Yes. % for Teaching & Non-Teaching Faculty, 7 for Students & 2 for Research Scholars.
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	-
<i>Research laboratories</i>	-

## 39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University			From Other Universities		
	Doctoral	Post-Doctoral Student	Research Associates	Doctoral	Post-Doctoral Student	Research Associates
2009-10	4	-	1	-	-	-
2010-11	Ongoing	-	-	-	-	-
2011-12	Ongoing	-	-	-	-	-
2012-13	Ongoing	-	-	-	-	-
2013-14	Ongoing	-	-	-	-	-

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Discussions/ interactions with faculty members / Subject Experts / Reputed faculty through Curriculum Workshop, etc.*

## 42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty take suggestions as to teaching-learning evaluation and utilise such as, revise syllabus, motivate and improve teaching skills, develop creative writing skills, teaching-learning various fields such as, performing folk art, folk/ traditional art and techniques etc., conduct remedial course in the study of literature, language, folklore and translation etc.*

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Taken students feedback/ teaching learning evaluation done through confidential reports and informally through personal interaction with students and functions like Departmental get together, Freshers' Meet, Parting Social gathering, Academic study tour, field trips, class seminars, workshops, class competition in creative writings & self creation recitations, learning traditional arts and skills, organising house projects & presentation.etc.*

- c. Alumni and employers on the programmes offered and how does the department utilize the



feedback?

*Past pupils from the Deptt. are doing extremely well in further studies such as, B.Ed, M.A. in Linguistics, Cultural Studies & Creative Arts, Folklore in M.Phil., PhD.; obtaining NET qualification in Folk literature and Linguistics. Many are involved in various Committees & Literary societies as life/ executive members, as editors, translators, guides to visitors, media persons as contributors to the media, as responsible teachers in schools and colleges etc.*

43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Arrange Special Lectures by the Visiting Fellows/ Specialised & knowledgeable Resource Persons in the area of literature/ language/folklore/ cultural studies/ comparative studies/ theories & criticism, translation etc.,
  - Talks / Interaction with the local original authors,
  - Organise workshops,
  - Organise national/ regional/ state level seminars,
  - Hold Conferences/ in collaborate with other recognise organisations/ society,
  - Visiting important festivals/events,
  - Use of audio visual aids e.g. variety of recordings of oral materials & collections of folk artefacts etc.
45. List the teaching methods adopted by the faculty for different programmes:
- Field visit /studies to search for potential areas of research,
  - Visit important festivals & collect materials use them for class room presentation/ seminars etc.,
  - Arrange performance of performing arts by the persons by specialised,
  - use audio visual aids, hand outs, tutorial materials, distributing internet materials etc.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Three Internal Examination on each course, Assignment and paper presentations in each course, personal interaction, continuous evaluations in each course, field reports of field studies on each related course etc.*
47. Highlight the participation of students and faculty in extension activities:
- Actively participating in various activities / competitions/ varsity week, parting social gatherings/Mosaic organised by MBA students, A'chik Literature Society, Garo Graduate Union, national/ regional/ state seminars/ workshops/ conferences in campus as well as





outside the campus in State.

- Actively involved in the Campus developmental / beautification/ cleaning drive programme etc.
48. Give details of “beyond syllabus scholarly activities” of the department: *Students Academic Tour, Field studies/trips, Visiting/ Participated in Important Events/ Festivals/ Rituals & functions, offering special lectures/talks with persons by specialised ,tutorial classes, conducting remedial courses considering the needs/benefits of the students on every Saturdays for 3/4hrs. etc.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *NA*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Contributing in translations in books / folk materials/ text books,
  - Editing local authors manuscripts,
  - Research guidance,
  - Participating script writing for traditional theatre as well as modern drama/play, and
  - Giving talks/ panel discussions in media.
51. Future plans of the department:
- Introduction of more Specialisations at Masters Level,
  - To act as a translator, editor, narrator, performing arts,
  - To conduct Short-Term Need based Training Programmes,
  - To conduct Short-Term Course on literature, language, cultural studies,
  - To network / collaborate with National & International Level Organisation & Bodies,
  - Strengthening the Departmental Library with more books and journals,
  - Creating a Language Laboratory for Students & Research Scholars,
  - To enrich the Departmental Museum,
  - Providing Consultancy and guidance for the writers,
  - To organise more National level seminars/ workshops/ conferences/symposium, and
  - To organise regular of Refresher/ orientation/short-term courses in interdisciplinary subjects.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Multi-media class rooms; cooperation from students;
  - Autonomy;
  - Ability to attract students from other disciplines, other states;



- Computer room for the students,
- Departmental library,
- Departmental museum etc.

**Weaknesses:**

- Seat and room capacity;
- Lack of conference/ meeting hall,
- Lack of attached toilet for the students,
- Library Development;
- Infrastructure incompatible with academic needs;
- Small faculty strength;
- Occasional disruption during the working seasons etc.

**Opportunities:**

- Positive change in the attitude towards Education;
- Potential of the region;
- Prevention of student migration;
- Scope for collaboration with other disciplines, Government Departments and Public Sector Companies;
- Collaboration with Private Universities;
- Refresher Course for Teachers;
- Opportunities for faculty & students to participate in seminars/ workshops/-conference/ trainings/ short-term courses and other creative activities etc.

**Challenges:**

- High Teacher Pupil Ratio; competition from Private Universities;
- Fund sharing by other Competing Central Universities.



### 3.20.1 List of Publications (2009 - 2014)

1. Dr. Fameline K. Marak
  - a). Fameline K. Marak, *Chugan : The Dying Oral Tradition*, Protocol Journal of Translation, Creative and Critical Writings, Vol. V, No. 2, ISSN 0973-9807, Winter - 2011.
  - b). Fameline K. Marak, *Achik Guide the Spirit of death to the better life through Kabe- (A·chik Tradition Song & Custom)*, A peered Reviewed Journal of Humanities and Social Sciences published by Don Bosco College, Tura, Vol.2, pp.198-207, ISSN 2250-0642, 2012.
2. Dr. Jacqueline R. Marak
 

*Book/Book Chapter*

  - a). Dr. Jacqueline R. Marak, *Nokma Aro A·kingni Ong·baani*, Nokma (Uni Kamrang Aro Gadang) Published by Council of Nokmas, Tura, (pp. 1-9), Editor: Prof Milton S. Sangma, 2011.

*Journals*

  - b). Dr. Jacqueline R. Marak, *Nire Sinje*, Protocol Vol. No.1 & 2, pp. 245-249, ISSN 0973-9807, 2011-12.
  - c). Dr. Jacqueline R. Marak, *Doroa: A Garo Traditional Song*, A peered Reviewed Journal of Humanities and Social Sciences published by Don Bosco College, Tura, Source Vol. III, pp. 20-27, ISSN 2250-0642, 2013.
3. Dr. Dokatchi Ch. Marak,
 

*Book/Book Chapter*

  - a). Dr. Dokatchi Ch. Marak, *Cultural Memory in the Writings of D. S. Rongmuthu*, Post Colonial Writings in Tribal Languages of India (Seminar's proceeding in book), pp. 89-94, Edited by M.B.Jyrwa, Published by Society for Khasi Studies Shillong.
  - b). Dr. Dokatchi Ch. Marak, *Linguistic Ecology of Garo*, Linguistic Ecology of Meghalaya. Edited by Shailendra Kumar Singh, Saralin A. Lyngdoh. Published by Eastern Book House, Guwahati, pp.130-156 (chapter in book), ISBN 978-93-80261-96-6, Edited by Shailendra Kumar Singh, Saralin A. Lyngdoh. Published by Eastern Book House, Guwahati, 2013.
  - c). Prof. C. R. Marak, Dr. Angela R. W. Ingty and Dr. Dokatchi Ch. Marak, *Part-II Garo*, Peoples Linguistics Survey of India Vol-19, part-II The Languages of Meghalaya (contributor), pp.227-322, ISBN 978-81-250-5517-4, Chief Editor G.N. Devy, Editor Esther Syiem.

*Journals*

  - d). Dr. Dokatchi Ch. Marak, *Superstition: The Native Universe of meaning of the Garos (A·chiks)among the Garo*, PROTOCOL: Journal of Translation, Creative and Critical Writings, pp. 206-210, 2011-12.
  - e). Dr. Dokatchi Ch. Marak, *A·we, The Standard Language of the Garos (A·chiks)*, A journal of Humanities and social sciences; Editor- Dr. Uma Bhowmi, Publisher: Don



Bosco College, Vol. II, Issue 2, pp. 55-62, ISSN 2250-0642, August 2012.

4. Mr. Crystal Cornelious D. Marak

*Book*

- a). Crystal Cornelious D. Marak, *Sing'kam*, Published by the Author, 2009.

### 3.20.2 List of Edited Books

*2 Folklore & Language - 2 Volumes (ongoing)*

- (a) Metongbol Rapa: a Post Funeral Festival of the A·chiks Edited by Dr. Fameline K. Marak, Dr. Barbara S. Sangma and Mr. Colnat B. Marak

- (b) A Linguistics Study of A·chik (Garo) and Other Tibeto-Burman Languages Edited by Dr. Dokatchi Ch. Marak, Prof. Caroline R. Marak and Dr. Angela R. W. Ingty

1. Dr. Fameline K. Marak

- (a) Edited 4 books written Bluwin Ch. Sangma, Tura in 2008-2009

- (b) Edited 2 books written by Awensing S. Rongmuthu in 2010

- (c) Edited 3 books translated by Emmanight B. Marak in 2012-2013

- (d) Edited 3 books written by Puhran M. Sangma in 2013-2014

- (e) Edited 1 book written by Mukti R. Marak, 2014

- (f) Editing Garo translation from a book, *Pressing Towards the Goal* written by Sundar A. Sangma, Tura, 2015 (ongoing)

2. Mr. Crystal Cornelious D. Marak

- (a) Edited - a book - Jikrongdik written by Awensing S. Rongmuthu, 2013.



### 3.21 Department of Hindi

1. Name of Department : HINDI
2. Year of establishment : 1996
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, M. Phil. and Ph. D.
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	2	2
Assistant Professor	2	1

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. D. K. Choubey	M.A, Ph. D.	Professor	Medieval Literature	29	7
Dr. M. P. Pandey	M.A., Ph. D.	Professor	Modern Poetry	17	5
Dr. B. P. Tripathi	M.A., Ph. D.	Associate Professor	Modern Poetry	12	Nil



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. H. K. Mishra	M.A., Ph. D.	Associate Professor	Journalism & Fiction	16	2

Table 3.71: Faculty Profile of the Department of Hindi.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: 02
- Prof. Ajay Patnayak, Reader, Ravenshaw College, Cuttack, Plot No. 1032/2402, Pragati Nagar, In front of Govt. Boy's High School, Unit VIII, Bhubnashwer - 751003 (Odissa)
  - Prof. Ramanuj Tiwari, Hindi Department, T.P.S. College, Patna, Bihar Under Magadh University, Both Gaya, Bihar, Resi. Janki Prakashan, Ashok Rajpath, Chouhatta, Patna - 800004 ( Bihar)
13. Percentage of classes taken by temporary faculty-programme- wise information: *M.A. 15%*
14. Programme-wise Student Teacher Ratio: *P.G.- 6:4; M. Phil.- 3:1; and Ph. D.- 4:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	1	1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies: *Modern Literature & Comparative Study*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
	Prof. D. K. Choubey	UGC	2.11 Lakh
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received: *NA*
- All India collaboration:
  - International:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*
20. Research facility / center with Recognition: *Nil*



- State Recognition:
- National Recognition:
- International Recognition:

21. Special research laboratories sponsored by/created by industry or corporate bodies:  
 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	71	-	71
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	07	-	07
Edited Books	02	-	02
Books with ISBN with details of publishers	09	-	09
Number listed in International Database			
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	-		
h-index	-		

Table 3.72: Detailed Publications of the Department of Hindi.

23. Details of patents and income generated:  
 24. Areas of consultancy and income generated:  
 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:  
 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. D. K. Choubey	a. Grants committee of Central Hindi Directorate MHRD, New Delhi, b. Inspection Team of Central Hindi Directorate MHRD, New Delhi
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. D. K. Choubey	a. The NEHU Journal (Hindi Issue) b. Khasi & Garo English - Hindi Dictionary
Dr. B. P. Tripathi	Janpath (special Issue)
<i>Any Other (Please specify)</i>	
-	-



27. Faculty recharging strategies:

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Prof. M. P. Pandey	1	-	-	1	-
Dr. B. P. Tripathi	1	1	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Poorvottar Bharat Ka Sahitya Aur Hindi Ki Bhumika	NEHU	15
Manaviky Visayon me Takaniki Shabd Nirman Aur Vaigyanik Lekhan	CSTT MHRD Delhi	10
Dalit Vimarsh Aur Hindi Ka Sant Sahitya	NEHU	12
Poorvottar ki Bhashaon Me Takniki Shabd: Anuprayog Aur Samasyen	CSTT MHRD Delhi	10
Ajneya: Punarpath Ki Aawashyaktayen	CH Institute, Agra	25
Poorvottar Bharat Me Hindi Ka Sankritik Mahattawa	CH Institute, Agra	8
Workshop on Testing, Evaluation & Item Writing	CIIL, Mysore	30
Prajonakmoolak Hindi ka Swaroop : Hindi Aur Kshetriya Bhashaon K aVaishistya	CH Institute, Agra	10
Aalochana Ka Sankat: Aagrah Aur Dharanaa	NEHU & CH Institute, Agra	20
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:





Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA MPhil PhD	19	01	17	100	100
2010-11 MA MPhil PhD	42	01	23	100	100
2011-12 MA MPhil PhD	41	07	27	100	100
2012-13 MA MPhil PhD	35	05	24	100	100
2013-14 MA MPhil PhD	47	03	20	100	100

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
2009-10 MA MPhil PhD	41.67	-	58.33	-
2010-11 MA MPhil PhD	17.65%	-	82.35%	-
2011-12 MA/MSc etc MPhil PhD	13.79%	-	86.21%	-
2012-13 MA/MSc etc MPhil PhD	34.78%	-	65.22%	-
2013-14 MA/MSc etc MPhil PhD	23.33%	-	76.67%	-



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET: 12 ( GEN-07, ST-05)

SET: 05- GEN

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	60%
PG/ M.Phil. to Ph.D.	40%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	80%
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university	-	-	-	-
from other universities within the State	-	-	-	-
from universities from other States	4	4	4	4
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 01

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes (Central)
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	-
<i>Research laboratories</i>	-

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University		From Other Universities	
	Doctoral	Post Doc	Doctoral	Post Doc
2009-10	01	-	01	-
2010-11	05	-	02	-
2011-12	08	-	04	-
2012-13	08	-	04	-
2013-14	09	-	09	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
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09	17	17	17	15
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41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *No new programme was initiated during the period under report.*
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Yes.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*No.*
43. List the distinguished alumni of the department (maximum 10): *Enclosed as List of Alumni – Department of Hindi at (Section 3.21.1, pp. 507).*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Enclosed as details of delivered special lectures & Workshop at (Section 3.21.2, pp. 508)*
45. List the teaching methods adopted by the faculty for different programmes: *Lecture & Tutorial*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities:
- Campus cleaning drive teachers and students : Campus welfare committee and faculty club various programme.
  - Other programmes of culture and literature organized by NEHUTA.
  - National Service Scheme (NSS) activities for students.
  - Teachers' Day, Fresher's Social and Parting Social for students of the Department.
48. Give details of "beyond syllabus scholarly activities" of the department:
- Workshops, Training programmes, Seminars and Cultural & Literary programmes.
  - Study tour to various important places of the Country.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Translation and Functional Hindi are taught to develop the skill of students in the field of
  - Translation and Official Hindi. To be aware of their folk literature and culture in the



reference of collection in their field and compare with other languages as Hindi and English through Folklore course.

51. Future plans of the department:

Proposal for Job oriented courses other than regular open courses like translation and functional Hindi.

- (a) Translation diploma - One year diploma Programme
- (b) Mass communication and Hindi Journalism - One year diploma Programme
- (c) Functional Hindi - One year diploma Programme

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Efficient Teachers, better infrastructure in the Department, Internet facilities in teachers' room and Computer Lab.

**Weaknesses:**

- Weak foundation of students for P.G. & Research courses due to non availability of Hindi teachers in the schools and colleges in the N.E. Region.

**Opportunities:**

- There are lot of opportunities for Hindi students in the field of National Service as the Region belongs to C Region.
- All most students get job in the various fields.
- From next session 2015-16 the semester system with honours courses is going to be introduced in all affiliated colleges of NEHU. So there is opportunities to get Hindi honours students from Meghalaya.

**Challenges:**

- There are challenges for Research Scholar to achieve the goal due to lack of facilities like books and other communications.



### 3.21.1 List of Alumni

#### List of Alumni – Department of Hindi

1. Dr. Milan Rani Jamatia Tripura University, Agartala, Tripura
2. Dr. Filmeka Marbaniang St. Anthony College, Shillong, Meghalaya
3. Dr. Jean S. Dkhar Lady Kean College, Shillong, Meghalaya
4. Dr. Joram Aniya D. N. Govt. College, Itanagar, Arunachal Pradesh
5. Pranjali Sharma Inspector of Primary School, Guwahati, Assam
6. Dinesh Shahu Sikkim University, Gangtok, Sikkim
7. Jayant Boro Kokrajhar College, Kokrajhar, Assam
8. Khumtia Debbarma Women's College, Agartala, Tripura
9. Uma Devi M.D.K. Girls College, Dibrugarh, Assam
10. Dr. Raj Kumar Jha Women's College, Shillong, Meghalaya



### 3.21.2 Details of delivered special lectures & Workshops

#### Details of delivered special lectures & Workshop For Students Enrichment Programmes.

Topic	Name	Date
Hindi Aalochana : Vikash Kram	Dr. Vishwanath Tripathi	21.8.2009
Akavita : Adhyayan evam Drishti	Dr. Ved Prakash	21.8.2009
Aadikalin Sahitya : Ek Vivechan	Prof. Krishn Narayan Prasad	24.8.2009
Sahitya ki Rachna Prakriya aur Uski Upyogita	Dr. Harnek Singh	25.8.2009
Hindi ka Bhavishya : Rojgar ki Drishti Se	Dr. Premchand Patanjli	11.9.2009
Agyey ki Kavita	Porf. Wagish Shukla	06.12.2010
Hindi Bhakti Sahitya ka Itihas : Naye Sandarbh	Prof. Gopeshwar Singh	04.4.2011
Hindi ki Aavashyakta : Rastriya- Antarrashtriya evam Purvottar Bhartiya Sandarbh	Prof. Anantram Tripathi	25.5.2011
Amerika mein Hindi	Porf. Mithilesh K. Mishra	24.5.2012
Samkalin Kavita : Bhasha Sahitya evam Sanskriti ka Sandarbh	Prof. Divik Ramesh	28.5.2012
Sahitya ki Prayojniyata : Kyon aur Kisliya	Porf. Arun Hota	28.5.2012
Sahitya ki Samajh	Porf. Chandrakala Pandey	11.9.2012
Ritikal : Aagrah evam Dharna	Prof. Ramdeo Shukla	13.5.2013
Samkalin Kavita mein Yugbodh	Dr. Sunita Rani Ghosh	13.5.2013
Hindi Sahitya ka Shukla-Paksh	Porf. Avadhesh Pradhan	19.9.2013
Premchand : Naye Sandarbh evam Nayee Drishti	Prof. Chandrakala Pandey	24.9.2013
Hindi Navjagran	Prof. Avadhesh Pradhan	04.4.2014
Natak, Rangmanch evam Hindi Cinema	Prof. Satydev Tripathi	04.4.2014
Kavita Path evam Kavya-Aalochana	Dr. Ramesh Chandra Shah	25.8.2014
Kahani Path evam Rachna-Vishleshan	Dr. Urmila Shirish	25.8.2014
<b>Workshop &amp; Training</b>		
Testing, Evaluation & item Writing	Dr. Viresh Kumar, CIIL, Mysore	13 <sup>th</sup> to 15 <sup>th</sup> March, 2014



### 3.22 Department of Khasi

1. Name of Department : KHASI
2. Year of establishment : 1981
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, M.Phil. and Ph.D.
5. Interdisciplinary courses and departments involved : Offered one Open courses in the 2<sup>nd</sup> and two open courses in the 3<sup>rd</sup> semester
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes / courses discontinued, if any, with reasons : Does not arise
8. Annual/ Semester/Choice Based Credit System : Semester under Choice Based Credit System
9. Participation of the department in the courses offered by other departments. :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	1	1
Assistant Professor	4	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Badaplin War	M.A.(Delhi U),M. Phil (Delhi U),Ph.D. (London)	Professor	Linguistics	32	5



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. J.U. Ahmed	M.Com, Ph.D, LL.B (Assam University), LL.M (GOU)	Professor	Finance, Banking and Statistical Methods	15 years	6
Streamlet Dkhar	M.A., M. Phil and Ph.D. NEHU	Professor	Khasi Drama	29	1
Antoinette Kharmalki	M.A. (NEHU), M.A. (Delhi U), M.Phil. (NEHU), Ph.D. (NEHU)	Professor	Linguistics	16	-
D. Rockyer L. Nonglait	M.A.(NEHU), M.Phil(NEHU), PGDTE(CIEFL), Ph.D. (NEHU)	Associate Professor	Literary Criticism on Khasi Fiction	9	-
Bandarilin Bairo	M.A. (NEHU), Ph.D. (NEHU)	Assistant Professor	Fiction	8	-
Marbhador M. Khymdeit	M.A.(NEHU), M.Phil (G.U).	Assistant Professor	Poetry	6	-

Table 3.73: Faculty Profile of the Department of Khasi.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: 1 (one) temporary faculty
13. Percentage of classes taken by temporary faculty-programme- wise information: 20%
14. Programme-wise Student Teacher Ratio: 15:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA (Temporary)	1	1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by major funding agencies: *Translation of literary and critical texts into Khasi*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and





c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
	Prof. Streamlet Dkhar	Department of Arts and Culture Govt of Meghalaya	₹ 3/- Lakhs
<i>International</i>			
-	-	-	-

Table 3.74: Number of faculty with ongoing projects in the Department of Khasi.

18. Inter-institutional collaborative projects and grants received:
  - (a) All India collaboration:
  - (b) International:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
20. Research facility / center with Recognition:
  - State Recognition:
  - National Recognition:
  - International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies:
22. Publications: (Detailed List of publications to be provided to the visiting team):

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)			
Monographs			
Chapters in Books/Papers in conference proceedings			58
Edited Books	2 and 6 forewords		
Books with ISBN with details of publishers	(a) (2009) Na Thwei Pyrkhut U Longshuwa, (A Collection of Folk Poems), ISBN-978-81-904740-3-1 (b) (2010) Ka Latympang, (Folk Drama) ISBN-978-81-904740-4-7 (c) (2012) Na Ki Sawkun Ka Mariang, (A Collection of Poems on Environment), ISBN-978-81-904740-5-4 (d) (2013) U Raikut, (Drama) Revised edition ISBN-978-81-904740-6-1 All the above books were written by Streamlet Dkhar published by ESES PLUS Publications, Shillong		
<b>Number listed in International Database</b>			



	National	International	Total
Citation Index range/average			
SNIP			
SJR			
Impact Factor range / average			
h-index			

Table 3.75: Detailed Publications of the Department of Khasi.

23. Details of patents and income generated:
24. Areas of consultancy and income generated:
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Prof. S. Dkhar was nominated as representative from India to participate as resource person and as a poet in the International Book Fair, Turin Italy; she had also attended as a poet in China, South Africa, Nepal and Bangkok at the different International Poetry Conventions.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. B. War	President, Tribal Literary Forum of India.
Prof. S. Dkhar	<ul style="list-style-type: none"> <li>i. Member of the UGC National Consultative Committee for Women Managers in Higher Education.</li> <li>ii. Member of Language Expert of the Grant In Aid Committee of CIIL, Mysore. Approved vide Ministry of Human Resource Development, Govt. of India Letter No. F.8-52/2012/L-II Dated 10 /10/2013</li> <li>iii. Regional Advisory Committee Member of the Indian Council for Cultural Relations, Shillong. Ministry of External Affairs, Govt. of India) from 2013</li> <li>iv. Treasurer, Tribal Literary Forum of India.</li> <li>v. Secretary General, All India Poetess, Conference, Aligarh, UP, 2014-16</li> <li>vi. Coordinator, NE Region of the UGC sponsored of Capacity Building for Women Managers in Higher Education. 2011 till date</li> <li>vii. Former General Council member, Sahitya Akademi, New Delhi, (2008-12)</li> <li>viii. Treasurer Khasi Author's Society 2012-14</li> <li>ix. Vice President, Meghalaya Women's Alliance 2013 till date</li> <li>x. Joint Secretary, Indian Council Social Welfare, Meghalaya State Branch</li> <li>xi. President, Shlem Phira, a forum to fight Crime against Women, 2013 till date</li> <li>xii. Nominated member by the State Government in a committee for inclusion of Khasi language into Eighth Schedule of the Constitution of India</li> <li>xiii. President Kelian Memorial School, Shillong 2011 till date</li> </ul>
Dr. D.R.L.Nonglait	President Khasi Authors Society



Name of Faculty	Name of Committee
Dr.B.Bairo	Life Member of the Tribal Literary Forum of India.
Mr.M.M.Khyndeit	Joint Secretary of the Tribal Literary Forum of India.
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. B.War	Editorial Board member, <i>Ka Thwet Jingstad (Quest for Knowledge)</i> , A Journal of the Society for Khasi Studies.
Prof. S. Dkhar	i. Editorial Board member, Khasi Author's Society ii. Editorial Board member, Journal of Humanities and Social Science, Khurja, UP iii. Editorial Board member, <i>Ka Thwet Jingstad (Quest for Knowledge)</i> , A Journal of the Society for Khasi Studies.
Dr. B. Bairo	Editorial Board member, <i>Ka Thwet Jingstad (Quest for Knowledge)</i> , A Journal of the Society for Khasi Studies.
Mr M. M. Khyndeit	Editorial Board member, <i>Ka Thwet Jingstad (Quest for Knowledge)</i> , A Journal of the Society for Khasi Studies.
<i>Any Other (Please specify)</i>	
-	-

Table 3.76: Faculty of the Department of Khasi Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	
% of students doing projects in collaboration with other universities/ industry/ institute	

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Prof. S. Dkhar	①	-	②	③	④
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

- ① i. Was honoured with the Award of Honour for her contributions to Khasi Literature by the All India Poetess Conference at the 4th International Convention held at Beijing, China.  
ii. Was honoured with the Kasturba Gandhi Samman 2009 by the Sulabh Sahitya Academy Award at the Decade's National Mega Convention at New Delhi.  
iii. Was honoured with the Award of Excellence for the exemplary and outstanding contribution to Poetry given by the Poetry Society (India) at Kohima, Nagaland.  
iv. Winner of the 3rd North East Poetry Competition 2010 for the poem "The Voice of Truth" at Shilpgram, Guwahati, Assam



- ② i. Was honoured with the Special AIPC National Award in the 12th Mega Convention of the All India Poetess Conference held from 6th -8th January 2012 at Hubli, Karnataka.  
 ii. Was honoured with State Literary Award 2009 for the book Na Thwei Pyrkhat U Longshuwa (A Collection of Folk Poems) given by Shri B.M.Lanong, the Deputy Chief Minister in charge of the Department of Arts & Culture Govt. of Meghalaya, on 17th Feb, 2012.
- ③ i. Was honoured with the award “A Lady of Hope” in the 8th International Poetry Conference of AIPC in Garden Court De Weel Hotel, Capetown, South Africa from 23rd to 29th April 2012  
 ii. Was honoured with the Award “A Daughter of Himalayas” in the 9th International Poetry Meet held on 2nd July 2012 at Katmandu, Nepal.  
 iii. Recipient of Meghalaya Day Award (Tirot Sing Award, 2013 by the State Government.
- ④ i. Awarded the Meghalaya Day Award (Tirot Sing Award, 2013) for exemplary contribution to Arts and Literature by the State Government of Meghalaya on 26<sup>th</sup> Jan, 2014 at Polo Ground, Shillong.  
 ii. Was honoured with the Sarojini Naidu Samman in the 14th All India Poetess Conference held at District Library, Dibrugarh, Assam, on 10<sup>th</sup> March 2014.
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
(2010) Post Colonial Writings in Tribal Languages of India.	ICSSR, NEHU & NEC	All faculty of the Department
Refresher Course in Khasi, on the theme “Evaluation and Interpretation of Texts” from 7th to 27th November, 2012 with Dr. D. R. L. Nonglait as the Programme Coordinator.	ASC-UGC, NEHU	
(2014) Construction Identity in Tribal Literature and Languages in India.	ICSSR, NEHU & NEC	All faculty of the Department
<i>International</i>		
UGC Capacity Building of Women Managers in Higher Education Management Skills Enhancement Workshop on “Information Communication Technology in Higher Education” and Elimination of Sexual Harassment in the work Place of Higher Education Institutions” organized by Prof. S. Dkhar as Coordinator, NEHU in collaboration with St. Edmund’s College, Shillong from 19th to 24th November 2012 at St. Edmund’s College Conference room.	UGC	

31. Code of ethics for research followed by the Department/ Centre: *Train the research scholars to follow strictly on research methodology and the code of ethics not to practice plagiarism in their research.*

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA	205	11	41	-	-



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
MPhil PhD					
2010-11 MA MPhil PhD	140	9	43	-	-
2011-12 MA MPhil PhD	186	9	43	-	-
2012-13 MA MPhil PhD	149	11	41	-	-
2013-14 MA MPhil PhD	194	5	47	-	-

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA MPhil PhD	100	-	-	-
2010-11 MA MPhil PhD	100	-	-	-
2011-12 MA MPhil PhD	100	-	-	-
2012-13 MA MPhil PhD	100	-	-	-
2013-14 MA MPhil PhD	100	-	-	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET,



GATE and other competitive examinations? Give details category-wise:

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	100 as per number of seats available i.e. 52 seats
PG to M. Phil.	20
PG/ M.Phil. to Ph.D.	80
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	5
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university		100%	80%	
from other universities within the State				
from universities from other States				
from universities outside the country			20%	

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 1 (one) Ph.D.

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes.
<i>Internet facilities for staff and students</i>	Yes.
<i>Total number of class rooms</i>	5
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	-

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	1	
2010-11	2	
2011-12	1	
2012-13	2	
2013-14	1	

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10):
- Dr. Sylvanus Lamare,
  - Dr. Sister Philomena Kharakor,
  - Prof. S. Dkhar,
  - Prof. A. Kharmalki,
  - Dr. D. R. L. Nonglait,
  - Mr. Bolness Nongum,
  - H. R. Bareh,
  - Mrs. P. Syiem,
  - Smti. C. Pariat,
  - Dr. B. Wolflang
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Poetry Competition, Regional and national seminars on different themes, Translation workshops, essay, story-telling/writing and quiz competitions and cultural programmes; Meet the author and other special lectures.*
45. List the teaching methods adopted by the faculty for different programmes: *Lectures, Participatory methods, Power point presentation, handouts, play acting, etc.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- By seeing the needs with priority and follow up action to ensure the planned programmes are fulfilled for the academic sessions.*
47. Highlight the participation of students and faculty in extension activities:
- Students are encouraged to participate in various literary, social, cultural and environmental programmes in and outside the university campus. Faculty are participating in various literary and cultural programmes at different levels in the University, state, in the country and outside the country. Academic programmes as "Meet the Author" and special lectures are always practiced.*



*Students and faculty observe Environment Day by cleaning the surroundings of the Department, plant trees and flowers in and around the Department; blood donation, sports, etc. by students.*

48. Give details of “beyond syllabus scholarly activities” of the department:

*Faculty actively participates as Resource persons in different seminars, workshops, book reviews, book forewords; few of them participate in different committees, and policy making decisions.*

49. *Every year the foundation day of the Department is observed by different literary competitions and special lectures on different themes by inviting external experts.*

50. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:

51. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Faculty are now working on critical and literary theories by translating into Khasi world critical literary theories and innovating new theories as well to generate new knowledge for the students of the Department.*

52. Future plans of the department: *The Department has the thrust areas that include Khasi Literature, Literature in Translation, Environmental Awareness in Khasi Literature, Khasi Literary Theory and Criticism, Folklore in Khasi Literature and creative writings. The Department also plans do few projects by documenting few aspects of oral tradition, and other rituals pertaining to Khasi culture. Reviving traditional theatres is also another plan of the Department and last but not the least to enlarge Khasi vocabulary.*

53. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Good infrastructure in terms of class rooms & personal rooms for faculty
- Internet facilities for faculty, staff and research scholars
- Conference room for meetings and other literary programmes
- The university gives partial financial support in conducting academic programmes
- Good results and placements of students

**Weaknesses:**

- Sanctioned post of Assistant Professor is yet to fill up that has made a lot of problems in distributing the courses for many past years till now.
- Urgent need of more faculties with expertise in the areas of Poetry, Translation and Khasi Culture as the Department has regular M. Phil and Ph. D Programmes with a number of areas of research unexplored.
- Smart class room facility is needed
- Tabulation of marks for all semesters including paper setting and evaluation is done by the Department which has created a burden to the teachers with extra works that the Exams Department could have taken care of.

**Opportunities:**





- Faculty and students are allowed to attend/participate in different academic programmes
- TA are given to some academic programmes outside the University
- Study tours /field trips for students give opportunities not only to see other places but exchange of culture with other universities
- The All India Poetess Association, Meghalaya Chapter and the Annual Meghalaya Poetry Competition have given opportunities to potential writers and poets, especially to students to showcase their talents through these platforms.
- Literary awards and honours are given to meritorious students with exemplary contributions to Khasi literature.

**Challenges:**

- Urgent need of Vocabulary Development where the project that was applied for have not been sanctioned.
- Project for preserving traditional theatre was also not sanctioned which has become a hindrance to go ahead as planned.
- Research assistant and research associates who would undertake the projects are urgently needed.
- Shortage of study materials for students and scholars are big hindrances to meet the need in teaching from time to time.
- Funding agencies have always supported the Department through the university. However, the funding agencies specify the categories and parameters for the expenditure which often is not in tune with the need of the programmes in the Department.



### 3.23 Department of Linguistics

1. Name of Department : LINGUISTICS
2. Year of establishment : 1996
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MA, MPhil, PhD
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Choice Based Credit with Semester System
9. Participation of the department in the courses offered by other departments. : Participation in Open course with English Department, History Department, Anthropology Department and Department of Library and Information Science
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):
 

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	2	1
Assistant Professor	3	3
11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Juanita War	M.A (English) Guwahati University; M.A (Linguistics) Delhi University; Ph.D (Linguistics) University of Edinburgh.	Professor (Retired in 2013)	Applied Linguistics, Morphology Psycholinguistics	17	9
Shailendra Kumar Singh	M.A (Linguistics) Delhi University; M.A. (Hindi) Karnataka State Open University, M.Phil and Ph.D (Linguistics), University of Hyderabad	Professor	Translation, Eco-linguistics, Sociolinguistics, Psycholinguistics, General Linguistics, Contact Linguistics	8	4
Umarani Pappuswamy	M.A. and M.Phil (Linguistics), Bharathiar University, Ph.D (Linguistics) University of Mysore, Post-Doc, University of Antwerpen, Belgium	Associate Professor	Computational Linguistics, Typology, Semantics, Intelligent Tutoring Systems, Artificial Intelligence in Education, Cognitive Linguistics, Dialogue Systems and Discourse Analysis	6	1



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Saralin. A. Lyngdoh	M.A. (Linguistics & English), NEHU, M.Phil (Linguistics), Delhi University, Ph.D (Linguistics), Delhi University	Assistant Professor	Syntax, Typology, Language Ideology, Eco-Linguistics, Structures of Tibeto- Burman and Austro Asiatic	11	-
Barika Khyriem	M.A. (Linguistics), NEHU; M.Phil (Linguistics), Delhi University, Ph.D (Linguistics), NEHU	Assistant Professor	Phonology, Dialectology, Sociolinguistics, Austro-Asiatic Linguistics	9	-
Bijoy L. Dhanwar	M.A. (Linguistics), NEHU, M.Phil. (Linguistics), University of Hyderabad	Assistant Professor	Tibeto-Burman Linguistics, Typology, Syntax, Lexicography, Historical Linguistics	9	-

Table 3.77: Faculty Profile of the Department of Linguistics.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

- 1 (One) Visiting Professor,
- 5 (Five) Visiting Fellows, and
- 3 (Three) Guest Lecturers.

13. Percentage of classes taken by temporary faculty-programme- wise information:

August - December	1 <sup>st</sup> Semester	-	1
	2 <sup>nd</sup> Semester	-	1
February - July	3 <sup>rd</sup> Semester	-	1
	4 <sup>th</sup> Semester	-	1



## 14. Programme-wise Student Teacher Ratio:

	Semester - I	Semester - II
MA	8/1	8/1
MPhil	2/1	2/1
PhD	2/1	2/1

## 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	1	1
MTS/ Lab Asstt.	2	2

## 16. Research thrust areas recognized by funding agencies:

- Austro-Asiatic Languages,*
- Tibeto-Burman Languages,*
- Languages in N.E. India.*

## 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	Prof. Shailendra Kumar Singh	Ministry of Communications & Information Technology, Indian Government, New Delhi	-
<b>International</b>			
-	-	-	-

Table 3.78: No. of faculty with ongoing projects in the Department of Linguistics.

## 18. Inter-institutional collaborative projects and grants received:

- All India collaboration: *Nil*
- International: *Nil*

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*20. Research facility / center with Recognition: *Nil*

- State Recognition:
- National Recognition:



□ International Recognition:

21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*  
 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)			
Monographs	-	-	5
Chapters in Books/Papers in conference proceedings			20
Edited Books			5
Books with ISBN with details of Publishers	(a) Linguistic Ecology: Manipur. ISBN 9789380261508, (b) Austro-Asiatic Linguistics of North East India. In press. (Publisher: Eastern Book House, Guwahati), (c) Linguistic Ecology of Meghalaya (Publisher: Eastern Book House, Guwahati.) ISBN: 978 93 80261 96 6, (d) Tibeto-Burman Linguistics of North- East India. (Publisher: Eastern Book House, Guwahati.) ISBN: 978 93 80261 90 4.		
<b>Number listed in International Database</b>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.79: Detailed Publications of the Department of Linguistics.

23. Details of patents and income generated: *Nil*  
 24. Areas of consultancy and income generated: *Nil*  
 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*  
 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Umarani Pappuswamy	Associate Editor of the Journal South Asian Language
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-



Name of Faculty	Name of Committee
<i>Any Other (Please specify)</i>	
Prof S. K. Singh	Member, Board of Studies, Hindi Department, NEHU, Shillong
Dr. Uma. Pappuswamy	Member, Board of Studies, Philosophy Department, NEHU, Shillong
Dr. S.A.Lyngdoh	Member, Board of Studies, English Department, NEHU, Shillong
Dr. B. Khyriem	Member, Board of Studies, Khasi Department, NEHU, Shillong
B.L.Dhanwar	Member, Board of Studies, Commerce Department, NEHU, Shillong and Garo Department, NEHU, Tura Campus

Table 3.80: Faculty of the Department of Linguistics Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Orientation Programme, Research Forum, Refresher Courses, Seminars, Departmental Discourse & Workshops.*
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	70%
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Dr Saralin. A. Lyngdoh	-	-	-	2012	-
Dr Barika. Khyriem	-	-	-	-	2013
<i>Students</i>					
Dr. A. Bano	2009	-	-	-	-
Dr. K. T. Kom	-	2010	-	-	-
Dr. G. Gonmei	-	-	2012	-	-
Dr. C. Kharlukhi	-	-	-	2013	-
Dr. R. Rabha	-	-	-	2013	-
Dr. I. Imchen	-	-	-	2013	-
Dr. B. Lyngdoh	-	-	-	2013	-
Dr. T. S. Chang	-	-	-	2013	-
Dr. K. Suantak	-	-	-	-	2014
Dr. A. Kakoty	-	-	-	-	2014
Dr. C. Dhar	-	-	-	-	2014
Dr. C. Lalremzami	-	-	-	-	2014
Dr. W. Lyngdoh	-	-	-	-	2014



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Workshop on PRAAT (Department of Linguistics, NEHU, Shillong from 4th -8th June 2012.)	University and departmental Participation	.
Workshop on Teaching Khasi to Non-Khasi Speakers ( July 3-20, 2012)	In Collaboration with the Don Bosco Centre for Indigenous Cultures (DBCIC), Shillong. Venue: Don Bosco Centre for Indigenous Cultures (DBCIC)	.
UGC Refresher Course in Linguistics (October 29 to November 18, 2012)	In collaboration with the UGC-ASC at NEHU	
Linguistic/Phonetic Transcription Training-cum-Orientation Programme (December 14-24, 2012)	In collaboration with the Language Division, Kolkata. Venue: NEHU	
National Workshop on EILMT System (22-25 January, 2013)	In collaboration with CDAC Pune	
Workshop-cum-Training Program on EILMT System (March 16, 2013)	Venue: Guwahati	
<i>International</i>		
34th All India Conference of Linguists, at NEHU Shillong, November 1-3, 2012.	In collaboration with the Central Institute of Indian Languages, Mysore, the Linguistic Society of India and the ICSSR, Delhi	

31. Code of ethics for research followed by the Department/ Centre: *Yes. Rigorous evaluation at pre-submission besides Viva voce*
32. Student profile course-wise:

Name and Batch of the Course	Applica- tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA	150	34			
PhD	20	5			
2010-11					
MA	170	40			
MPhil	30	6			
PhD	27	5			
2011-12					





Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
MA	200	42			
MPhil	27	12			
PhD					
2012-13					
MA	220	45			
MPhil	32	14			
PhD	20	4			
2013-14					
MA	238	45			
MPhil	26	to be notified			
PhD	26	to be notified			

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MA	34			
PhD				
2010-11				
MA	40			
MPhil	6			
PhD				
2011-12				
MA	42			
MPhil	12			
PhD				
2012-13				
MA	31		4	
MPhil	14			
PhD				
2013-14				
MA	43		2	
MPhil				
PhD				

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:



UGC – JRF – NET	8
UGC – Lect – NET	23
Meghalaya Civil Services	Nil
Meghalaya Finance Services	Nil
Accountant General	Nil

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	77
PG to M. Phil.	70
PG/M.Phil. to Ph.D.	70
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	100
Entrepreneurs	

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university				Nil
from other universities within the State	Nil	Nil	Nil	Nil
from universities from other States				
from universities outside the country	Nil	Nil	Nil	Nil

## 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

PhD	2 ((a) Saralin. A. Lyngdoh, (b) Barika. Khyriem)
DSc / Dlitt	Nil

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes. Through Wi-Fi and LAN. 100 % to Teaching Faculties & Staff. For students 40 computers with internet
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	2 (Computer Laboratories)
<i>Research laboratories</i>	-

## 39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University		From Other Universities	
2009-10	1	-	-	-
2010-11	1	-	1	-
2011-12	1	-	-	-
2012-13	6	-	-	-
2013-14	5	-	-	-



40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
34	34	32	38	45

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes. Faculty members and Visiting Professor/Fellow give their suggestions as to teaching-learning evaluation and the same is utilised in various ways i.e. revising syllabus, improved teaching, developing simple modules, etc.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Students feedback about teaching learning evaluation is obtained formally through confidential reports and informally through personal interaction with students at Departmental Research Forum, Study Tour, Field Work, etc.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Nil.*

43. List the distinguished alumni of the department (maximum 10):

- (a) Dr. T. K. Bamon, Associate Professor, ELFU, Shillong Campus
- (b) Dr. T. Ao, ELFU, Assistant Professor, Shillong Campus
- (c) Dr. C. Bareh, Assistant Professor, Kerela University
- (d) Dr. G. Temsem, Assistant Professor, Hyderabad University
- (e) L. Pathak, Tribuban University, Nepal
- (f) Dr. S. A. Lyngdoh, Assistant Professor, NEHU
- (g) Dr B. Khyriem, Assistant Professor, NEHU
- (h) Dr. A. Bano, Assistant Professor, Suadi Arabia
- (i) C. Tham, Associate Professor, China
- (j) K. Dorgee, Bhutan

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

- (a) Workshop on PRAAT. Venue: Department of Linguistics, NEHU, Shillong from 4th -8th June 2012. Mr.Hiram Ring, Nanyang Technological University, Singapore was the chief resource person.
- (b) Workshop on Teaching Khasi to Non-Khasi Speakers, from July 3-20, 2012 in Collaboration with the Don Bosco Centre for Indigenous Cultures (DBCIC), Shillong. Venue: Don Bosco Centre for Indigenous Cultures (DBCIC), Shillong.



- (c) UGC Refresher Course in Linguistics. In collaboration with the UGC-ASC at NEHU, Shillong, October 29 to November 18, 2012. Resource persons included a few linguists from Africa and Europe.
- (d) Linguistic/Phonetic Transcription Training-cum-Orientation Programme (December 14-24, 2012) Venue: NEHU, Shillong.
- (e) National Workshop on EILMT System. CDAC Pune on 22-25 January, 2013 at Pune (More than 50 students and 2 Research scholars attended the workshop).
- (f) Workshop-cum-Training Program on EILMT System on March 16, 2013 at Guwahati.
- (g) 34<sup>th</sup> All India Conference of Linguists'. In collaboration with the Central Institute of Indian Languages, Mysore, the Linguistic Society of India and the ICSSR, Delhi. Theme: Linguistic Diversity in India: Typologies, Cultures and Contacts. Venue: NEHU, Shillong. Dates: November 1-3, 2012. Resource Persons: Prof. Gregory Anderson (University of Oregon, USA) delivered the keynote address; Professors K.V.Subbarao (India), Juanita War (NEHU, Shillong) and Jean-Luc Chevillard (University of Paris) were the plenary speakers. Professors Peter E. Hook (USA) and Prof. K.Ramasamy (India).
45. List the teaching methods adopted by the faculty for different programmes: *Simple Lectures, Interaction, Power Point Presentation, Assignments, Case Method; Visit, Students' Presentation, Literature Review and Field trip.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? :*Learning outcomes are monitored through Three Internal Test, Project Assignment and Presentation, Personal Interaction, Continuous Evaluation*
47. Highlight the participation of students and faculty in extension activities: *Engagement with NGO, Professional Bodies, Sport Activities.*
48. Give details of "beyond syllabus scholarly activities" of the department: *Field Work, Study Tour, Data collection with informants.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Job Satisfaction, Linguistics knowledge.*  
*The Department of Linguistics, North Eastern Hill University created as a Research Centre in Nagaland in 1984, established itself as a full-fledged department with Post-Graduate Programs from 1996 at Shillong. The North East represents one of the most complex linguistic settings in the Indian sub-continent where several genetically related but often mutually unintelligible languages belonging to Tibeto-Burman and Austro-Asiatic languages are spoken.*  
*The thrust area of research, therefore, has been in Tibeto-Burman and Austro-Asiatic languages. The Department has conducted various research programs in collaboration with Central Institute of Indian Languages, Ministry of Human Resource Development, Mysore and Centre for Development of Advance Computing (CDAC, Poona) on different aspects of languages across the*



*North East and the different dialects/varieties of Khasi. The Department has produced some of the best linguists of the country who are actively engaged in teaching and research in India and Abroad. The Department has worked, researched and produced dissertations/Thesis Manograph on more than 30 languages of NE India.*

51. Future plans of the department:

- Introduction of Sepcialisation at Master's Level;
- To conduct Short-Term Need based Training Programmes
- To Network / Collaborate with National Level Organisation & Bodies
- Strengthening of Departmental Library with addition of more books and journals;
- Creating a separate Computer Laboratory with at least 30 systems for Research Scholars with Wi-Fi and Internet connectivity through LAN;
- Providing Consultancy
- Organisation of National Level Seminars;
- Organisation of Refresher Courses in Linguistics

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Computer Laboratory;
- Multimedia Class Rooms;
- Cooperation from Students;
- Autonomy; and
- Ability to attract Students from Other States

**Weaknesses:**

- Lacking good Department Library;
- Decreasing Grant for Library Development;
- Location to attract International / Outstanding National Faculty for Interaction;
- Infrastructure Incompatible with academic needs;
- Small Faculty Strength; and
- Occasional Disruption in Scheduled Road due to Bandh, etc.

**Opportunities:**

- Positive Change in the Attitude towards language Education;
- Linguistic Potential of the Region;
- Prevention of Student Migration;
- Scope for Collaboration with Government Departments and Public Sector Companies; and
- Competition from Private Universities

**Challenges:**

- High Teacher Pupil Ration;
- Competition from Private Universities;
- Fund Sharing by other Competing Central Universities;



### 3.24 Department of Philosophy

1. Name of Department : PHILOSOPHY
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Humanities
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.A., Ph.D.
5. Interdisciplinary courses and departments involved : Ethics & Environment, Philosophy of Social Sciences, Phenomenology & Existentialism.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments. :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	3	2
Associate Professor	4	2
Assistant Professor	5	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
B. K. Agarwala	MA, M.Phil., Ph.D.	Professor	Social & Political Philosophy, Ethics, Hermeneutics, Kant, Gadamer.	35	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Vanlalnghak	MA, Ph.D.	Professor	Philosophy of Culture, Moral Philosophy, Analytic Philosophy.	27	4
X. P. Mao	MA, M.Phil., M.Lett. Ph.D.	Professor	Existentialism, Ethics	26	1 (Joint supervisor)
N. Parthasarathy	MA, M.Phil.	Associate Professor	Areas of interest: Indian Philosophy & Indological Studies.	42	0
P. Biswas	MA, Ph.D.	Associate Professor	Phenomenology & Continental Philosophy, Philosophy of Mind, Philosophy of Tribes of NE India.	15	3
L. N. Lenka	MA, M.Phil, Ph.D.	Associate Professor	Analytic Philosophy, Philosophical Anthropology, Philosophy of Wittgenstein, Speech Acts, Western Epistemology	15	3
E. R. Tongper	MA, M.Phil., Ph.D.	Assistant Professor	Philosophy of Religion, Philosophical Theology, Applied Ethics, Gandhian Philosophy.	26	2
B. Pohlong	MA, Ph.D.	Assistant Professor	Philosophy of Religion, Philosophical Anthropology.	15	1
A. U. Sharma	MA	Assistant Professor	Logic and Epistemology.	4	0

Table 3.81: Faculty Profile of the Department of Philosophy.



12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Prof. Jagat Pal (2014)*.
13. Percentage of classes taken by temporary faculty-programme- wise information: *NA*
14. Programme-wise Student Teacher Ratio: *MA- 12:1/ PhD- 5:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA	1	1
LDC/ TA	1	1
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies: *Philosophy*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise: *NA*

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received: -  
 (a) All India collaboration:  
 (b) International:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. -
20. Research facility / center with Recognition :  
 State Recognition: -  
 National Recognition: -  
 International Recognition: -
21. Special research laboratories sponsored by / created by industry or corporate bodies: *NA*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	31	2	33
Monographs	-	-	-





	National	International	Total
Chapters in Books/Papers in conference proceedings	22	1	23
Edited Books	8	-	8
Books with ISBN with details of Publishers	4	-	4
Number listed in International Database		-	
Citation Index - range / average		-	
SNIP		-	
SJR		-	
Impact Factor - range / average		-	
h-index		-	

Table 3.82: Detailed Publications of the Department of Philosophy.

23. Details of patents and income generated: *NA*
24. Areas of consultancy and income generated: *NA*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. Jagat Pal	Chief editor of International Journal of Jurisprudence and Philosophy of Law,
<i>Any Other (Please specify)</i>	
-	-

Table 3.83: Faculty of the Department of Philosophy Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities/ industry/ institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Prof. Jagat Pal	-	-	①	-	-



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. Vanlalnghak	②	-	-	-	-
P. Biswas	-	③	-	-	-
B. Pohlong	④	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Doctoral	S. S. Khongk-liam	Grace Darling Bendangrenla Peralycia Gathphoh Asongpou	Imchenaro Saheni Loli	O. L. Longkumer N. Ramthing W. Imchen W. Shithiri N. B. Chetri	Jhuma Deb
<i>Students</i>					
MA	24	24	33	27	41

- ① i. Chief Editor of International Journal of Jurisprudence and Philosophy of Law, Vol.4 No.1 & 2 January-December, 2012.  
ii. Member of Editorial Advisory Board of Asian Review of Social Sciences (ARSS), An international Peer-reviewed Journal of Social Sciences, Sri Raam Publication, Coimbatore, Tamil Nadu
- ② i. Nominated as a Member of the Council of the Indian Council of Philosophical Research by the Ministry of HRD, Government of India, vide Government of India's notification No.F.4-1/2009-U.3 dated 19th Sept, 2009 w.e.f Sept. 19, 2009.  
ii. Nominated as a Member of the Governing Body of the Indian Council of Philosophical Research w.e.f.Oct.11, 2009.
- ③ i. Appointed as External member of School Board of Humanities at Assam University, Silchar, between 23 August to 23 August 2014.  
ii. Appointed as a member of North East India Studies Committee of Indian Council of Philosophical Research since August 2012.  
iii. Granted Visiting Fellowship by Tata Institute of Social Sciences, Mumbai to visit School of Development Studies at TISS, Mumbai in July-August, 2012.  
iv. Invited as Visiting Scholar at Indira Gandhi National Tribal University, Imphal Campus to Lecture on Human Rights in September 2012.  
v. Elected as General Secretary, North Eastern Hill University Teachers' Association (NEHUTA), for 2012-2013 in November 2012.
- ④ Awarded ICSSR-NRCT fellowship for conducting research on "A Comparative Study in Khasi Mon-Khmer Relationship for a period of one month(w.e.f 10.8.09 to 11.9.2009).
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Prof. Vanlalnghak organized i National Seminar on the Theme "The Other and the Community: Philosophy Reflections on Identities, Tribes and World Views"	ICPR, New Delhi	-



ii Research and Philosophy	ICPR, New Delhi	
iii North-East Philosophy Teachers Meet - 2013 on the Theme: Teaching and Research in Philosophy: Problems and Prospects	NEHU, Shillong	-
Dr. B. Pohlorg organized ICPR Lectures on the theme		
i "Indian Materialism"	NEHU, Shillong	-
ii "Phenomenology and Existentialism"	NEHU, Shillong	-
Prof. X. P. Mao (as the co-ordinator) organized		
i The ICPR sponsored Refresher Course on Philosophy	NEHU, Shillong	-
ii A National Seminar on Dr. B. R. Ambedkar from 11-12 March, 2013	NEHU, Shillong	-
Dr. Prasenjit Biswas organized North East Region Consultation towards 2nd Universal periodic review(UPR) of United Nations Human Rights Council(UNHRC)as part of the Working Group of Human Rights(WGHR) at United Nations at NERC-ICSSR	NERC-ICSSR	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: -

32. Student profile course-wise:

Name and Batch of the Course	Applica- tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA	131	17	33	100	100
PhD	26	2	3	-	-
2010-11					
MA	107	17	25	58	88
PhD	35	5	2	-	-
2011-12					
MA	103	10	37	100	75
PhD	31	5	5	-	-
2012-13					
MA	108	20	30	55	100
PhD	45	2	5	-	-
2013-14					
MA	158	13	38	100	60
PhD	47	3	1	-	-



## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MA	70	-	30	-
PhD	100	-	-	-
2010-11				
MA	90	-	10	-
PhD	71	-	28	-
2011-12				
MA	77	-	23	-
PhD	50	-	50	-
2012-13				
MA	72	-	28	-
PhD	57	-	42	-
2013-14				
MA	76	-	24	-
PhD	50	-	50	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *No Data*

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	
PG/M.Phil. to Ph.D.	
Ph.D. to Post Doctoral	
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	
<input type="checkbox"/> Others	
Entrepreneurs	

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	4	5	4	1
from other universities within the State	-	-	-	-
from universities from other States	5	4	3	4
from universities outside the country	-	-	-	1

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *No*

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	-
<i>Internet facilities for staff and students</i>	16



Total number of class rooms	3
Class rooms with ICT facility	2
Students' laboratories	-
Research laboratories	-

## 39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	Ms. Temjenkala Jamir Ms. Wanphai M Japang Mr. Z Nsungbamo Ezung Ms. I. Shashirenla	-
2010-11	Mr. Amiya Dey Mr. Nitish Pandit Mr. Roitualiana Darlong Mr. Dakyntuhimi G Lyngdoh Ms. Savitri Nongsiej	Mr. Calket R Cajee Ms. Nipadmini Rabha
2011-12	Mr. P Dondor Khongdukp Ms. Bonnie Niehsial Mr. Lalruatfela Mr. Stanley Sohlang Mr. Rajesh Marak	Mr. Awsini K Rout Ms. Kakali Bezbaruah Ms. Sayeda Jowena Ms. Sanchita Nath
2012-13	Ms. Iahunlin Khriem Ms. Trishna P Lakharu Ms. Saphimosha W Blah	Ms. Arifa A Begum Ms. Dipanjali Das Mr. John C Laldusaka
2013-14	Mr. Sherbor Thabah	Mr. Aribam Uttam Sharma

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

## 42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Students' Feed Back on each course, at the end of the semester examination.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

## 43. List the distinguished alumni of the department (maximum 10):

(a) Prof. Vanlalghak,



- (b) Prof. X. P. Mao,  
(c) Dr. P. Biswas,  
(d) Dr. B. Pohlong, and  
(e) Dr. E. R. Tongper
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
45. List the teaching methods adopted by the faculty for different programmes:
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities:
48. Give details of “beyond syllabus scholarly activities” of the department: *Study Tour/ Seminar*.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details:
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
51. Future plans of the department: *To encourage studies in Indian Philosophy with reference to Buddhism and Culture of the North-East.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Attracting a large number of students from the region.
- Weaknesses:**
- Insufficient infrastructure (Faculty Rooms, Research Scholar room).
- Opportunities:**
- For Research in diverse areas of the subject.
- Challenges:**
- Teaching of the abstract subject in a manner to make it as relevant to the society and citizenship.



## School of Life Sciences

### 3.25 Department of Biotechnology and Bioinformatics

1. Name of Department : Biotechnology and Bioinformatics
2. Year of establishment : 2005
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Life Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG and Ph.D.
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester, Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : Participate in and offers open course at school level
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
<b>Professor</b>	2 + 1 (DBT tenured post)	2 +1 (DBT tenured post)
<b>Associate Professor</b>	1	1
<b>Assistant Professor</b>	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):



Table 3.84: Faculty Profile of the Department of Biotechnology and Bioinformatics.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
A. Chatterjee	M.Sc.,Ph.D.	Professor	Genetics & Molecular Biology	26	8
S. R. Rao	M.Sc.,Ph.D.	Professor	Plant Cellular & Molecular Genetics	26	8
K. Aguan *	M.Sc.,Ph.D.	Professor	Genetics & Molecular Biology	4	-
S. R. Joshi	M.Sc.,Ph.D.	Associate Professor	Microbiology	24	9
S. Majaw	M.Sc.,Ph.D.	Assistant Professor	Biochemistry	9	-
A. Bhattacharjee	M.Sc.,Ph.D.	Assistant Professor	Bioinformatics & Microbiology	8	-
N. Chaurasia	M.Sc.,Ph.D.	Assistant Professor	Environmental Biotechnology	4	-

\* DBT, GoI, tenured post

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

- Prof. Dipankar Nandi, IISc. Bangalore - Visiting faculty
- Dr. B. Bhunia, Assistant Professor, NIT, Agartala - Visiting Faculty
- Prof. Apurba Dey, NIT, Durgapur - Visiting Faculty
- Prof. Pranab Roy, Burdwan University - Visiting Faculty
- Prof. T. K. Chaudhury, University of North Bengal - Visiting Faculty

13. Percentage of classes taken by temporary faculty-programme- wise information:

4<sup>th</sup> Semester - 12% ; 1<sup>st</sup> Semester - 6%

14. Programme-wise Student Teacher Ratio:

M.Sc. - 7:1; Ph.D. - 4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	1	-
LDC/ TA	3 (TA)	3 (TA)
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies:

**Thrust Area - I: Molecular Genetics**





### **Component - I: Molecular Genetics (Animal)**

Oral and esophageal cancers are most common cancers and their highest incidence has been reported in north-eastern states of India. Of the several factors that are implicated for these cancers, the habit of chewing raw areca-nut (RAN) with lime appears to be highly relevant. Thus, it is essential to understand the biology of pathogenesis of these cancers, before designing any therapeutic interventions and other preventive measures. It has been demonstrated that allelic loss of 9p21 and perturbations in components of the chromosome segregation machinery could be involved in the early development of RAN induced cancer. The present proposal is very relevant because aneuploidy and uncontrolled growth are the hallmark of cancer. Expression of genes will be assessed by qRT-PCR and immunohistochemistry. To determine whether Mad2 overexpression plays a role in the acquisition of chromosomal instability, we will inactivate of either, p53, or p21 or pRb by siRNA and will analyse Mad2 protein level in Hct116 cell line. Multiple mechanisms have been proposed to explain how tumor suppressor loss leads to chromosome instability. Hence studying the genes involved in chromosomal instability in cancer tissues can provide relevant information to understand the pathogenesis of the disease and will also be useful in designing some markers for diagnosis, prognosis and therapy.

### **Component - II: Molecular Genetics (Plant)**

The North-Eastern region of India is an abode to a variety of crops including horticultural, medicinal and ornamental plants. It is one of the richest reservoirs of genetic variability and diversity for crops plants which are of horticultural and economical importance. But authentic information about such valuable biodiversity existing in northeastern region of India is scarce. There is an urgent need to understand the genetic structure, diversity and phylogeny of horticultural taxa in general; and Citrus, Curcuma and Musa and leguminous taxa (viz. Vigna) of North-East India in particular. Such information is crucial for identification, characterization and also efficient utilization of genetic resources and for developing suitable conservation strategies. Our earlier investigations based on the use of cytogenetical as well as molecular marker-based approaches (RAPD, ISSR, ISJ, DAMD, SPAR, etc.), transcriptomics and a combination of plastid (matK, rbcL, psbK-psbI, psbA-trnH atpB and atpF-atpH) and nuclear (ITS) genes to assess the genetic variability at both intra- and inter-specific were found to be effective in this direction. Therefore it is imperative to use the above approaches to analyze, estimate and define natural genetic diversity existing in the natural populations of Citrus, Curcuma and Musa, the three important horticultural plants of the region.

### **Thrust Area - II: Microbiology**

#### **Component - I: Microbiology**

Being one of the mega-biodiversity hotspots, Meghalaya in Northeast India has huge treasure of biodiversity which is being explored for conservation as well as for human



benefits. The region has significant reports on flora and fauna, however, the microbial diversity and its bioprospection is still scarce. The region is inhabited by large number of tribes and ethnic communities characterized by their traditional rituals, practices and life styles. One among these practices are the indigenous technology of preparation of traditionally fermented products of non-dairy origin for enhancing their taste and preservation which harbour microorganisms with potentials for human benefits. These microbes have of late attracted the attention of researchers and attempts are being made to explore their diversity and biopotency as probiotics. Meghalaya being a tribal state also has traditional practices of using medicinal purposes for treatment of various diseases and the work on microbial components of medicinal plants has potential to be explored as nano-factories for biomolecules.

### Component - II: Bioinformatics

We plan to design inhibitors using protein targets of *Mycobacterium tuberculosis* using computational modelling approach. Currently we are exploring inhibition of protein-protein interaction using small molecules. In addition attempts are to also find suitable inhibitors from natural sources like plants against *Mycobacterium tuberculosis* (both sensitive as well as resistant strains). In near future we plan to identify potential medicinal plants from North East India and separate molecules that will have potential to be developed into a new drug.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
Status and PCR-based Molecular discrimination of Paragonimiasis and other Crustacea-born Trematode Zoonoses in Northeast India	A. Chatterjee	DBT, Govt. of India	42.56
Loss of heterozygosity on specific chromosomal arms and influence of single nucleotide polymorphisms in XRCC1 and XPD genes in oral and esophageal cancers induced by raw betel-nut in Meghalaya”	A. Chatterjee	DBT, Govt. of India	38.50
Allelic loss of mitotic checkpoint genes and their expression level in oral and esophageal cancer samples of raw betel-nut chewers in Meghalaya	A. Chatterjee	DST, Govt. of India	44.40



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Purification and characterization of bioactive natural antioxidant, immunomodulator and anticancer products from <i>Dioscorea alata</i> L., of North Eastern region of India	A. Chatterjee	DBT, Govt. of India	22.59
Studies on antitumor and radioprotective potential of <i>Potentilla fulgens</i> Wall ex Hook. and characterization of its active compounds”	A. Chatterjee	DBT, Govt. of India	27.20
Biosystematics of the genera <i>Vigna</i> , <i>Cucumis</i> and <i>Abelmoschus</i>	S. R. Rao	ICAR-NAIP	120.00
Exploration and Germplasm Collection of Citrus from the North-Eastern India and Characterization of Genetic Variability Using Cellular and Molecular Approaches	S. R. Rao	UGC	11.01
Characterization of Rhizobia Associated with Native and Wild Legumes of Northeast India with Special Emphasis on Meghalaya	S. R. Rao	DBT, Govt. of India	36.86
Whole Genome and Transcriptome Changes as a Consequence of allo and auto polyploidy in <i>Vigna</i> L.	S. R. Rao	DBT, Govt. of India	105.90
	K. Aguan	DBT	274.56
Characterization of Probiotics of Non-Diary origin from North-East India	S. R. Joshi	DBT, Govt. of India	45.35
Studies on upgrading of water quality in coal mining areas of Meghalaya an Eastern Coal Mines by Chemisorption and Bioremediation towards mitigation of unscientific coal mining	S. R. Joshi	DBT, Govt. of India	30.50
Impact Assessment of Jhumming on native plants and soil microbiota and restoration of sustainable jhum Agro – Ecosystem in Northeast India	S. R. Joshi	DBT, Govt. of India	55.48
Screening of endophytic fungi having biofuel generation potential from biodiesel plants of Assam	S. R. Joshi	Oil India Limited , Duliajan, Assam	9.58
Collection and Molecular Characterization of Mushrooms from Sacred Groves of Meghalaya	S. R. Joshi	DST, Govt. of India	25.381



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Assessment and conservation of microbial biodiversity in Sacred Groves with special reference to plant growth promoting Bacillus and related genera as influenced by environmental degradation	S. R. Joshi	NEC, Govt. of India	39.00
Growth kinetics and adaption behavior characterization of cesium and strontium tolerant bacteria	S. R. Joshi	Department of Atomic Energy, BRNS	32.86
Genomic and biochemical activity characterization of bacterial community associated with Tungtap - a traditionally fermented fish product of Meghalaya	S. R. Joshi	UGC	19.312
Development of a bacterial Consortium for Bioremediation of Lead from Solution	S. R. Joshi	DBT, Govt. of India	5.00
	S. Majaw	DST, DBT	68.70
The use of biodiversity as a source of new chemical entities against defined molecular targets for treatment of tuberculosis	A. Bhattacharjee	DBT, Govt. of India	44.00
Protein-protein interface targetted drug designing	A. Bhattacharjee	DBT, Govt. of India	74.00
<b>International</b>			
-	-	-	-

Table 3.85: Number of faculty with ongoing projects in the Department of Biotechnology & Bioinformatics.

18. Inter-institutional collaborative projects and grants received
- All India collaboration: *within NEHU (Deptt. Of Zoology), NIPER, Chandigarh, IISc, Bangalore, Bose Institute, Kolkata, National Bureau of Plant Genetic Resources, New Delhi; Delhi University, Delhi and Shivaji University, Kolhapur, IIT Kanpur, Visva-Bharati Santiniketan*
  - International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
- DST-FIST - ₹ 64.72 Lakhs
  - DBT M.Sc. teaching Programme - ₹ 111.11 Lakhs
20. Research facility/center with Recognition: State/National/International:
- State Recognition :
  - National Recognition : *DBT-support and DST-FIST, UGC-SAP recognised and extended support 3 Science Academics of India recognised the dept. and nominate 4 students for*



training, each year.

International :

21. Special research laboratories sponsored by/created by industry or corporate bodies: NA

22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	35	70	105
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	6	4	10
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	-
Number listed in International Database	600		
Citation Index range / average			-
SNIP			-
SJR			-
Impact Factor range / average	0.8 - 1.7 (National)/ 0.4 - 4.2 (International)		
h-index			-

23. Details of patents and income generated:

*Patents filed: 366/DE2/2010 dt. 18.02.2010 ( File reg. # 09034)*

24. Areas of consultancy and income generated: NA

25. Faculty selected nationally/internationally to visit other laboratories in India and abroad:

Prof. Anupam Chatterjee	International Cancer Fellowship	International Union Against Cancer (UICC), Geneva, 2009. Yamagiwa-Yoshida Memorial International Cancer Study Grant for a project at Swansea University, UK.
Prof. Satyawada Rama Rao	i. DBT-CREST award, ii. INSA-CAS Academic Exchange Fellowship	i. Department of Soil and Crop Sciences, Texas A&M University, College Station as DBT-CREST Fellow, Texas ii. Indian National Science Academy, China, Wuhan Botanical Garden, Wuhan
Dr. Suktilang Majaw	DBT Associateship	DBT, Govt. of India
Dr. Atanu Bhattacharjee	DBT Associateship	DBT, Govt. of India

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
National Committees	



Name of Faculty	Name of Committee
Prof. A. Chatterjee	i. DBT- Task Force; ii. UGC Task Force; iii. Member, Research Policy Council, ICFRE, Dehradun; iv. DBT Committee for VRP-NER
Prof. S. R. Rao	i. DBT- Task Force; ii. UGC Task Force; iii. Member, Research Policy Council, ICFRE, Dehradun; iv. DBT Committee for VRP-NER
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. A. Chatterjee	
Prof. S. R. Rao	
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *The Department regularly organises Workshops and symposium at National level.*

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities/ industry/ institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Prof. A. Chatterjee	UICC, Geneva				
Prof. S. R. Rao			INSA-CAS	CREST	
Dr. S. R. Joshi	MNASc				
Dr. S. Majaw					DBT- Associateship
Dr. A. Bhattacharjee					DBT- Associateship
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
Rakshak Kumar					DST-Inspire Faculty Award
Sharmila Thokchom					DBT-RA



Khedarami Kojiam					DBT-RA
Abhishek Das					Bose Institute-RA
Santosh Kumar Sharma				Monboshu fellowship, JSPS, Tokyo, Japan	

Table 3.86: Awards/recognitions of Faculties of the Department of Biotechnology & Bioinformatics.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National Workshop on <i>Hands-on Training on Techniques used in Biotechnological Research</i>	DBT, New Delhi; 28 <sup>th</sup> Feb to 12 <sup>th</sup> March, 2011 ₹ 2.0 lakhs	20
National Workshop on <i>Hands-on Training on Techniques used in Biotechnological Research</i>	DBT, New Delhi; 24 <sup>th</sup> Feb to 8 <sup>th</sup> March, 2014 ₹ 2.0 lakhs	20
A national workshop on <i>Recent Advances in insilico drug design and X-ray Crystallography</i> held at NEHU, Shillong on 2011.	Department of Biotechnology, Govt. of India ₹ 2.0 lakhs	20
A conference on <i>An interactive meeting with the traditional herbal practitioners of Meghalaya on use of plant based herbal drugs</i> held at the Department of Biotechnology & Bioinformatics, NEHU, Shillong in 2013.	Department of Biotechnology, Govt. of India ₹ 2.0 lakhs	20
Commemorative One-day workshop to celebrate <i>International Day of Biodiversity</i> on 24 <sup>th</sup> May, 2013 at Department of Biotechnology and Bioinformatics, North-Hill University, Shillong	₹ 1.50 lakhs	20
National Seminar on <i>Metabolomics-A New Frontier in Natural Products Research</i> on 23-24 May 2014 in the Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong-793022, Meghalaya, India	₹ 1.50 lakhs	20
National Workshop on <i>Microbial diversity: From Genes to Omics</i> database at Department of Biotechnology & Bioinformatics, NEHU, Shillong	DeitY, Govt of India in Sep 26-28, 2009 ₹ 3.0 lakhs	20
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:



Every project and research proposals had approved by the following Committees:

- (a) Institution ethic committee for Animal Care & Use,
- (b) Institution ethics committee for Human Samples and Participants, and
- (c) Institution ethic committee on Research Biosafety.

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
M.Sc.	264	11	16	100	100
Ph.D.	85	02	03	100	100
2010-11					
M.Sc.	162	08	16	100	100
Ph.D.	48	05	06	100	100
2011-12					
M.Sc.	181	10	13	100	100
Ph.D.	48	01	05	100	100
2012-13					
M.Sc.	160	13	10	100	100
Ph.D.	56	04	02	100	100
2013-14					
M.Sc.	141	06	17	95.65	100
Ph.D.	140	04	03	100	100

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
M.Sc.	66.66	-	33.335	-
Ph.D.	19.00	-	81.00	-
2010-11				
M.Sc.	66.66	-	33.33	-
Ph.D.	33.33	-	67.67	-
2011-12				
M.Sc.	78.26	-	21.73	-
Ph.D.	43.00	-	43.00	14.00
2012-13				
M.Sc.	69.56	-	30.43	-
Ph.D.	71.00	-	29.00	-
2013-14				
M.Sc.	73.91	-	26.08	-
Ph.D.	43.00	-	57.00	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:





*Each year average 3 NET & 4 GATE qualified.*



## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	30%
Ph.D. to Post Doctoral	10%
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	60%
Entrepreneurs	5%

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	03	03	03	
from other universities within the State				
from universities from other States	04	04	03	
from universities outside the country			01	

## 37. Number of faculty who were awarded Ph.D. during the assessment period: 02 (Ph.D)

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Besides University Central library facility, about 400 books are also available in the Departmental Library for students' uses
<i>Internet facilities for staff and students</i>	High speed data LAN connection facilities to all faculties, staff and in Bioinformatics laboratory ( 2 nos) for students uses
<i>Total number of class rooms</i>	03
<i>Class rooms with ICT facility</i>	In all class room & laboratories
<i>Students' laboratories</i>	5 (M.Sc.)
<i>Research laboratories</i>	10 Nos.

## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	3	2
2010-11	4	2
2011-12	3	2
2012-13	4	1
2013-14	3	1

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
5	7	7	6	8



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Meetings under BOS, BRS, are utilised for improvement.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Students appraisal feedbacks are used in improvement of teaching-learning process.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*Alumni provide constructive suggestion on improvement.*
43. List the distinguished alumni of the department (maximum 10): *NA*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Intensive special lectures workshops and seminars were organised time to time to enrich the M.Sc. and research students in the department. Experts, Scientists and researchers are invited to deliver lectures on modern theories and latest thinking on various filed in Biotechnology.*
45. List the teaching methods adopted by the faculty for different programmes:
- Class room teaching,
  - Workshop/ seminar, and
  - Digital presentation of research activities.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Programme objectives and other activities are monitored by various group like, DBT-Advisory Board, BCIL-Team. Obtaining NET/GATE and publication in various referred journals are the indicators of activities.*
47. Highlight the participation of students and faculty in extension activities: *Active participation of staff & students in Plantation, cleaning programme , science popularisation and creativity in science.*
48. Give details of "beyond syllabus scholarly activities" of the department:
- Support for MSc teaching Programme was sought from DBT, Govt of India for supporting students project work, students visits and visits by resource persons for conducting lectures and practicals at MSc level.*
  - The department has received DST-FIST support in the year 2012 which has helped to augment the existing facilities and instruments for overall improvement in teaching and research.*
  - Students appraisal on the training and teaching with regard to teaching-learning is done*



- annually to improve and provide positive feedback to faculty.*
- (d) *Project work on research training to MSc students is incorporated in the MSc programme for enabling students to have an insight and training to research methodology and designs. Each faculty mentors two to three students every year leading to a project report for evaluation by external experts as part of the M.Sc. programme.*
- (e) *Individual faculty have been supported through research projects funded by DBT, ICAR, DST, UGC, DRDO, BRNS, NEC, ICMR, OIL which has helped in the procurement of equipments, supporting the ongoing research work and induction of scholars in the research programmes of the department. The cumulative extra-mural funding generated by the faculty in the last five years has been tentatively ₹ 1356.02 lakhs.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *M.Sc. Biotechnology Teaching programme supported by DBT, Govt. of India was evaluated by Independent evaluation committee in 2014. This programme has been upgraded from B<sup>+</sup> to B<sup>++</sup>.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- (a) *A. Chatterjee - Early Diagnosis: Last several years of research revealed that precocious anaphase and expression of p<sup>S3</sup> and securin in non-target cells are significantly associated with an increased risk of areca-nut induced Cancer. Thus these parameters can be of early diagnostic value.*
- (b) *S. R. Joshi - in the last five years has focussed on aspects of diversity, taxonomy and ecology of microbial biome of Northeast India. His major scientific contributions are in microbial diversity and genomics, speleothemic (cave) microbes and bar coding of various microbial groups. He has isolated and established molecular characterization of microorganisms prevalent in the region which are described under more than 350 genera with a submission of more than 700 sequences to international database like NCBI. Generation of primary data using the nucleic acid markers has been translated into an online database titled as North-East India Microbial Database (NEMiD) (available at [www.mblabnehu.info/nemid/](http://www.mblabnehu.info/nemid/)). The future work is planned on microbial metabolites and bacteriocins from microorganisms associated as endophytes and fermentation process.*
- (c) *S. R. Rao - Establishment of identities of naturally occurring populations and species of three important horticultural genera Vigna, Cucumis and Abelmoschus with focus on north-eastern taxa, has been completed and taxonomic keys are now available. Several interspecific hybrids with agronomic characters are developed. In addition 16 novel isolates of Rhizobium spp. are found and characterized, which will be exploited in future experiments.*
51. Future plans of the department: *Expanding research in their specialised area of research and starting M.Sc. Programme in Bioinformatics.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**



- Extramural Research Projects funding, support for M.Sc. programme, DST-FIST, Research & Teaching programme.

**Weaknesses:**

- Shortage of faculty and non-teaching staff strength.

**Opportunities:**

- Exploration of biodiversity of the region for biotechnological applications

**Challenges:**

- To raise the level to the International standard via the student and research activities



### 3.26 Department of Biochemistry

1. Name of Department : BIOCHEMISTRY
2. Year of establishment : 1980
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Life Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, Ph. D.
5. Interdisciplinary courses and departments involved : Pre-Ph. D. course in School of Life Sciences of Biochemistry
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester system/ Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : Faculty members are involved in taking classes in other departments as and when required
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	1
Associate Professor	3	3
Assistant Professor	7	7

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.): (01.04.2010 – 31.03.2014)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
A. N. Rai	M. Sc., Ph. D.	Professor	Microbiology	33	Nil
R. Sharma	M. Sc., Ph. D.	Professor	Medical Biochemistry (Aging and hormone action mechanisms)	32	4



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
R. N. Sharan	M. Sc., Ph. D.	Professor	Radiation-Cancer biology/ Molecular biology	32	1
A. Alam	M. Sc., Ph. D.	Professor	Immunology	26	1
D. Syiem	M. Sc., Ph. D.	Professor	Protein Chemistry/Enzymology and Medicinal Plant/natural products study	18	1
A. K. Singh	M. Sc., Ph. D.	Professor	Microbiology	17	3
M. B. Syiem	M. Sc., Ph. D.	Professor	Microbial Biotechnology	19	2
L. Kma	M. Sc., Ph. D.	Assistant Professor	Cancer & Radiation Countermeasures	12	Nil
P. K. Ambasht	M. Sc., Ph.D.	Assistant Professor	Enzyme Kinetics, Immobilization	12	1
S. Bhan	M. Sc., Ph. D.	Assistant Professor	Medical Biochemistry	7	Nil
T. Tripathi	M. Sc., Ph. D.	Assistant Professor	Molecular Biophysics	5.5	Nil

Table 3.87: Faculty Profile of the Department of Biochemistry.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *None*.
13. Percentage of classes taken by temporary faculty-programme- wise information: *NA*.
14. Programme-wise Student Teacher Ratio: *M. Sc., 1:4.2; Ph. D. variable (average 1:3.9)*.
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	Nil
UDC/ STA/Steno	1/2	1/2
LDC/ TA	1/2	1/2
MTS/ Lab Asstt.	1/3	1/3

16. Research thrust areas recognized by funding agencies: *Medical and Microbial Biochemistry: Medical Biochemistry (Development & Aging, Medicinal Plants, Carcinogenesis and Radiation Biology, Drug Delivery and Tumor Immunology, Protein Chemistry and Enzymology and Structural Biology. Microbial Biochemistry: Plant-Microbe Interaction, Cyanobacterial Nitrogen*



*Fixation and Cyanobacterial Diversity.*

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
Dietary and hormonal modulation of protein carbonylation in mice as a function of age.	R. Sharma	UGC; UGC, New Delhi	9.51
Studies on biomodulators of glucocorticoid receptors in mice.	R. Sharma	UGC; DST, New Delhi	18.06
Biodosimetry studies using cytogenetic and gene expression profiles in human peripheral blood lymphocytes exposed to gamma radiation <i>ex vivo</i> .	R. N. Sharan (PI) L. Kma (Co-PI)	BRNS, Mumbai	35
How AMFR gene regulates cell division and cancer after stress exposure?	R. N. Sharan A. Mishra (IIT Rajasthan)	BRNS, Mumbai	23.9
Quantitative coupling of hydrocarbon degradation and bacterial communities in petroleum hydrocarbon impacted sediments undergoing bioremediation	A. K. Singh	DBT, New Delhi	37.03
Molecular and Immuno-chemical characterization of tumor associated antigens in mice exposed to nitrosamines	A. Alam	DST, New Delhi	22
Study on the potentials of anti-diabetic plants of traditional use for the management of Alzheimer's disease.	D. Syiem	DBT, New Delhi	67
Flora and fauna of Kyllengpynden Sohiong Mawthabah Uranium rich area of west khasi hills, Meghalaya.	D. Syiem	BRNS, Mumbai	30
Strategy development for the mitigation of heavy metals in surface waters around coal mining areas using native cyanobacterial strains.	M. B. Syiem	DBT, New Delhi	46.18
Strategy development for the mitigation of heavy metals in surface waters around coal mining areas using native cyanobacterial strains.	M. B. Syiem	UGC, New Delhi	13.22
Study of relationship between poly-ADP-ribosylation (PAR) of blood lymphocyte proteins and cancers of breast, cervix and head & neck in humans: Exploring the potential of PAR as a biomarker for cancer detection.	L. Kma (PI), R.N. Sharan (Co-PI)	ICMR, New Delhi	18





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Identification, molecular characterization and structure determination of glutaredoxin system proteins from infectious flukes.	T. Tripathi	DBT, New Delhi	43
Enhancing functional repertoire of eukaryotic RNA Polymerase II	T. Tripathi	DBT, New Delhi	85
Molecular proteomic studies of the glutathione-S-transferase protein system of the giant intestinal Fluke <i>Fasciolopsis buski</i>	T. Tripathi	ICMR, New Delhi	10
An investigation into the role of solution variables in amyloidogenesis	T. Tripathi	SERB-DST, New Delhi	19
Biochemical and functional properties of <i>Synechocystis</i> Glutathione S-transferase (s)	T. Tripathi	SERB-DST, New Delhi	50
<b>Internationall</b>			
Study of induction kinetics of Dicentric (DC), Micronuclei (MN) and Premature Chromatin Condensations (PCC) in the Peripheral Lymphocytes (PBL) of Ethnic Population Groups of the North-East India following $\gamma$ -Irradiation <i>Ex Vivo</i> : A comparative study	R. N. Sharan	IAEA	20

Table 3.88: Number of faculty with ongoing projects in the Department of Biochemistry.

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: 3 (IIT Rajasthan; IIT Guwahati; ICGEB, New Delhi, CDRI, Lucknow)
  - International: 1 (IAEA)
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *UGC-SAP: ₹58 Lakhs.*
20. Research facility / center with
- State Recognition: *Nil.*
  - National Recognition: *Nil.*
  - International Recognition: *Nil.*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *None.*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	37	66	103



	National	International	Total
Monographs	1	0	1
Chapters in Books/Papers in conference proceedings	19	6	25
Edited Books	3	0	3
Books with ISBN with details of publishers	3	0	3
	All 3 by McGraw Hill, New Delhi		
Number listed in International Database	82		
Citation Index range/average	01-14/3.5		
SNIP	-		
SJR	-		
Impact Factor range / average	0.3-6.7/2.67		
h-index	7.1		

Table 3.89: Detailed Publications of the Department of Biochemistry.

23. Details of patents and income generated: *Total 3 filed/No income yet.*
- One final patent application # 839/KOL/2013 on a process for wastewater treatment under International Treaties and Conventions (ITC) has been filed at Kolkata in 2013. RN Sharan and others,
  - One new provisional patent # 486/KOL/2013 on a bio-marker and method of molecular bio-dosimetry under International Treaties and Conventions (ITC) has been filed at Kolkata in 2013. RN Sharan, L Kma and others, and
  - One provisional patent application # 3162/MUM/2011 under International Treaties and Conventions (ITC) filed in 2011. RN Sharan and others.
24. Areas of consultancy and income generated: *Nil.*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
- R. Sharma: Visited various labs and countries-International-03 (Japan/Australia/Hungary); National-04,
  - R. N. Sharan: visited various labs and countries- International-6 (Vienna(2)/China/Japan (2)/Sudan; National-05,
  - AK Singh: Marie Curie Fellowship of European Commission, and
  - T. Tripathi: DBT Overseas Associateship award to visit Justus Liebig University, Germany
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	



Name of Faculty	Name of Committee
R. Sharma	(a) Member of ICMR Task Force assessment committee on aging research. (b) Member of DBT, GOI task force on Neuro-Disease Biology (TFNDB). (c) Member of CSIR selection and assessment committees. (d) Member of NAAC assessment committees. (e) Member of Academic Council of Mizoram University. (f) Member of IQAC and IEC, Manipur University.7. Member of Higher Education Council, Mizoram.
R. N. Sharan	(a) Expert of Scientific Advisory Committee (SAC) for the Institute of Cytology and Preventive Oncology (ICPO), Noida (2013). (b) Member, North-East Project Review Committee (NE-PRC) of Indian Council of Medical Research (ICMR), Govt. Of India, New Delhi (2013). (c) Coordinator of Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE) funded projects under Coordinated Research Project (CRP) mode at NEHU (2013 - onwards). (d) Visitor's nominee on the Executive Council of Assam University, Silchar, 2013 - 16. (e) Visitor's nominee on the Court of Banaras Hindu University, Varanasi, 2013 - 16. (f) Visitor's nominee on the Academic Council of Rajiv Gandhi Central University, Itanagar, Arunachal Pradesh, 2011 - 13. (g) Special Invitee to the Academic Council of Tezpur University to advice on 12th Plan proposal of the university (March 2012). (h) Visitor's nominee on the 1st Executive Council of Rajiv Gandhi Central University, Itanagar, Arunachal Pradesh (2010).
<i>International Committees</i>	
R. N. Sharan	(a) Member (representing India) of an international Co-ordinated Research Project (CRP) funded by the International Atomic Energy Agency (IAEA), Vienna (Austria) [a UN body] for a period of 5 years (2012-2016) (IAEA Research Contract No. 17047). (b) Member of the Peaceful Use Initiative (PUI) group comprising 14 Asia and Pacific nations funded by Govt. Of Japan and IAEA.
T. Tripathi	Scientific Board member of Biological, Pharmaceutical & Medical Sciences of International institute of chemical, biological and environmental engineering
<i>Editorial Board</i>	
R. Sharma	Editorial board member of 04 International Journals (Intl. J. Dev. Neurosci.; Biogerontology; Frontiers in Genetics of Aging; Okinawa Wellness & Longevity Journal)
R. N. Sharan	Associate (Receiving) Editor of Journal of Radiation Research [Japan]
L. Kma	Journal of Rradioprotection Research
T. Tripathi	Editorial review board member of 1. Scientific Journals International (SJI) 2. Advances in Applied Research
<i>Any Other (Please specify)</i>	
R. Sharma	Chaired 02 National seminar and attended 08 National seminar; Chaired 01 and attended 02 International conference/symposium



Name of Faculty	Name of Committee
R. N. Sharan	Chaired 03 National seminar and attended 07 National seminar; Chaired 02 and attended 05 International conference/symposium; served as resource person for several refresher and orientation courses
A. Alam	Expert for SAP UGC
D. Syiem	(a) Reviewer: Science Alert. support@scialert.com, 2009, (b) Reviewer for African Journal of Pharmacy and Pharmacology (AJPP). E ajpp.academicjournals@gmail.com. <a href="http://www.academicjournals.org/AJPP">http://www.academicjournals.org/AJPP</a> , 2009-10, (c) Reviewer for Journal of Agricultural Biotechnology and Sustainable Development, <a href="http://www.academicjournals.org/JABSD">www.academicjournals.org/JABSD</a> , 2009-2010, (d) Reviewer for Journal of Medicinal Plants Research. <a href="http://www.academicjournals.org/jmpr">www.academicjournals.org/jmpr</a> , ISSN 1996-0875; 2010-11
L. Kma	East zone Inter-University NSS workshop, NSS as an Elective Subject; presented papers in 6 International seminar and 1 national seminar

Table 3.90: Faculty of the Department of Biochemistry Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: Faculty members regularly attend Refresher courses/short-term courses/summer schools/winter schools, etc. to recharge themselves. They also participate in various seminars/symposia/workshops on current relevant topic in different aspect of Biochemistry.
28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	5 (internship)
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Faculty					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
R. Sharma	-	AGI President	AGI President	-	INSA Senior Scientist to visit Hungary; Prof. M.S. Kanungo Oration Award



R. N. Sharan	-	-	Invited by IAEA, Vienna on 2nd International CRP representing India; Moderated a Round-Table mini-symposium on "National & Regional Centers of Competence in Biological Dosimetry" at Vienna	Invited by IAEA in the PUI Group; two patents filed	Delivered a plenary lecture in ACRR-2013 at Beijing (China); Invited as a resource person by IAEA in an Expert Mission to Khartoum (Sudan)
L. Kma	Post-Doctoral Fellowship to Medical College of Wisconsin USA	BOYSCAST Fellowship, DST	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Dr. Chinkheihunba Akoijam	-	-	-	-	Independent DBT project at IIT, Guwahati
Dr. S. T. Vaiphei	-	-	-	-	Young Scientist Fast Track DST project
<i>Students</i>					
-	-	-	-	-	-

Table 3.91: Awards/recognitions of Faculties of the Department of Biochemistry.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Advances in Biochemical Research, March 21-22, 2010	UGC and NEHU	4
Trends in Biochemical Research, March 23-24, 2011	UGC and NEHU	5



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Challenges in Biochemical Research, March 23, 2012	UGC and NEHU	4
New Frontiers in Biochemical Research, March 25, 2014	UGC and NEHU	5
<i>International</i>		
International Symposium on Aging (ISOA-2012), October 1-3, 2012	DST, CSIR, ICSSR, NEC, ICMR/NEC/NEHU (₹ 11.24 lacs)	60

31. Code of ethics for research followed by the Department/ Centre: *All research projects were cleared by Institutional ethics committee for animal studies as well as human samples.*
32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MSc	79	4	17	100	100
PhD	20	2	1	-	-
2010-11					
MSc	83	1	20	100	90
PhD	53	4	7	-	-
2011-12					
MSc	93	7	14	86	100
PhD	31	2	6	-	-
2012-13					
MSc	81	2	19	86	100
PhD	57	2	6	-	-
2013-14					
MSc	99	5	16	100	90
PhD	48	4	6	-	-

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MSc	100	-	-	-
PhD	67	-	33	-
2010-11				
MSc	100	-	-	-
PhD	72.7	-	27.3	-
2011-12				
MSc	100	-	-	-
PhD	75	-	25	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2012-13				
MSc	100	-	-	-
PhD	62.5	-	37.5	-
2013-14				
MSc	100	-	-	-
PhD	80	-	20	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET ST-8; Gen-1

GATE ST-2; Gen-1

SET Gen-2; ST-1

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	29%
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	3 (27%)	-
From other universities within the State	-	-	-	-
From universities from other States	-	-	7 (64%)	-
From universities outside the country	-	-	1 (9%)	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*One.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Departmental and Central library
<i>Internet facilities for staff and students</i>	Internet is provided in all room of staffs, all laboratories for research scholars, and in computer laboratory for M. Sc. students
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	2



<i>Students' laboratories</i>	2
<i>Research laboratories</i>	10

## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	3	-
2010-11	6	-
2011-12	3	-
2012-13	5	1
2013-14	7	-

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
5	7	6	7	9

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Not applicable.*

## 42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*The feedback of faculty on curriculum and teaching-learning-evaluation is shared informally among the faculty which becomes the basis of change/improvement in the whole process during revision every 3-5 years.*

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*The students' feedback is taken in a uniform format provided by the University and it is sent to the University authority, which then reverts back to department for necessary action, if any.*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*The Department interacts with its Alumni through its Alumni Association and the feedback is sent to the University authority.*

## 43. List the distinguished alumni of the department (maximum 10):

- i. Dr. K. K. Wary, Associate Professor, Department of Pharmacology, College of Medicine, University of Illinois, 835 S. Wolcott, Room E403, Mail code 868, Chicago, IL 60612, USA
- ii. Dr Safraz Ahmad, Director of Clinical Research, Gynecologic Oncology, Florida Hospital Cancer Institute; Associate Professor, University of Central Florida; Clinical Associate Professor, Florida State University, Colleges of Medicine, 2501 N. Orange Ave., Suite 800 Orlando, FL 32804, USA.





- iii. Prof. A.K. Bhuyan , Central University Hyderabad, Hyderabad
  - iv. Prof. Devapriya Choudhury, JNU, New Delhi
  - v. Prof. Madhav Lamsal, BP Koirala Institute of Health Sciences, Dharan Nepal
  - vi. Dr. Santanu Sharma, Scientist E, Regional Medical Research Centre, N.E.Region (ICMR), Post Box No-105, Dibrugarh-786001, Assam.
  - vii. Dr Reena Ghildyal, Associate Professor in Microbiology; Director, Centre for Research in Therapeutic Solutions; Adjunct Professor, Shanghai Public Health Center, Fudan University, Shanghai 201508, P.R. China
  - viii. Dr. L. Shanjukumar Singh, Professor, Dept. Biotechnology, Manipur University, Imphal.
  - ix. Dr. Malabika Sen, Assistant Professor, Department of Otolaryngology, University of Pittsburgh, PA 15213, USA.
  - x. Dr. K. Suchiang, Assistant Professor, Dept. Biotechnology and Mol. Biology, Pondicherry Central University, Puducherry.
44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts: *Apart from class room lectures, yearly seminars are organized by the Department where distinguished speakers covering all realms of the curriculum are invited to deliver their talks. Even the research scholars are allowed to present their works for overall improvement in the quality and content of the research work. In addition, special lectures are also organized for the students involving visiting experts from time to time.*
45. List the teaching methods adopted by the faculty for different programmes: *The faculty members used all forms of teaching methods (i.e. blackboard, OHP and multimedia using LCD projector) in all programmes.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *There is a mechanism of regular assessment of students involving three sessional tests in each paper. Apart from that, M. Sc. students have to present a seminar every semester on current relevant topics of Biochemistry, which is evaluated by all the faculty members. Students admitted to Ph. D. program are required to clear the pre-Ph. D. Course of one semester involving Departmental and School level papers. They are constantly assessed through internal tests, review of literature in the field of interest, and seminar. Following internal assessment and final examination, only those students are allowed to proceed for registration for Ph. D. who secures the requisite grade as prescribed by the University.*
47. Highlight the participation of students and faculty in extension activities: Students are encouraged to participate in NSS which is run through the NSS Cell NEHU. Through NSS students are doing their bit of contribution in nation building by working with rural populace to bring overall developments in the adopted villages. Students are also encouraged to participate in Annual Varsity Week that involves various sports, cultural, literary events, etc. where faculty members are involved at different levels. Students and faculty are also involved in cleaning drives on different nationally and internationally important occasions, awareness programmes on social issues, etc.



48. Give details of “beyond syllabus scholarly activities” of the department: Faculty members are involved as organizers/experts on several National and International seminars/symposium/workshops/etc. They also delivered lectures in Orientation/Refresher Courses/Summer Schools/etc organised by the Academic Staff College of the University and elsewhere. Most of them are also involved as reviewers of several National & International journals of repute.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
- Dietary restriction downregulates brain acetylcholinesterase in mouse thus gives beneficial effects to cholinergic deficits in aged animals.
  - Curcumin and ascorbic acid have been shown to ameliorate age-dependent increase in protein carbonyls in cerebral hemispheres of mice.
  - Late-onset dietary restriction modulates protein carbonylation and catalase in cerebral hemispheres of aged mice.
  - Structure of Plasmodium falciparum Glutaredoxin 1 has been resolved at an atomic resolution.
  - P. fulgens* extracts were found to have potent anti-oxidant, anti-inflammatory and hypolipidemic potentials in mouse model.
  - Presence of phenolic compounds in *Curcuma caesia* extracts were established by qualitative analysis and high performance-thin layer chromatography (HPTLC). It indicated presence of anthocyanidin 3-glycosides and 6-hydroxylated flavonols and some flavones: some chalcone glycosides were present in *Aristolochia tagala*.
  - Cyanobacteria from Meghalaya as bifertilizer, bioaccumulators of heavy metals, bioindicator of pollution have been established.
  - Hydrocarbon degrading bacteria from oil refinery in Assam have been isolated and characterized.
- Breakthrough:
- Amelioration of age-dependent increase in brain protein carbonyls by melatonin, an endogenous hormone of pineal gland, has been established in mouse model.
  - A tripartite agreement has been signed between Prof. R. N. Sharan, NEHU and Ind-Swift Pharma to develop the novel biomarker of cancer (ADP-ribose polymer) as a product for human use.
  - One provisional patent application # 486/KOL/2013 on “a bio-marker and method of molecular bio-dosimetry” under International Treaties and Conventions (ITC) has been filed at Kolkata in 2013 with applicants/inventors: Prof. R. N. Sharan & Secretary, DAE/Ms. Saibadaiahun Nongrum, Dr. S. T. Vaiphei, Dr. L. Kma & Dr. R. C. Chaubey.
51. Future plans of the department:
- Dietary restriction as a modulator of metabolome during aging process.
  - Commercialization of a cancer biomarker kit.



- Validation of RRG in polulation and identification of radiation response proteins (RRP) as biomarker for molecular bio-dosimetry.
- Bioprospecting for plants with anti-oxidant properties.
- Chemical characterization of lead molecules from plant sources acting as anti-hyperglycemic, free radical scavenging, hypolipidimic, anti-apoptotic and anti-aging in mouse model system.
- Chemo-modulation of DNA damage induced by carcinogens and genotoxins and chemo-immune therapy of cancer.
- Molecular and kinetic characterization of bacterial hydrocarbon bioremediation.
- Immobilization and characterization of enzymes from plant and microbial sources: application in agriculture and industries uses.
- Structural and functional characterization of drug target proteins of neglected tropical diseases.
- Molecular signaling of hyperglycemia induced apoptosis through oxidative stress and role of selected antidiabetic compounds in experimental diabetes.
- Kinetic characterization of cyanobacterial–heavy metal uptake.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department:

**Strengths:**

- Dynamic faculty covering major emerging areas of biochemistry; Integrated and complementary research themes; Translational research approach; Attract extramural funding from national and international resources.

**Weaknesses:**

- Constraints of space and specialized facilities in department; Poor technical manpower/support; Lack of motivation for research in some members of the faculty.

**Opportunities:**

- Some areas of research poised for breakthroughs; Some faculty with commendable experiences; National and international networking in research.

**Challenges:**

- Geographical isolation; Work culture and ethics; Frequent dislocations/holidays; Power shortage; Absence of dry-port for import of chemicals.



### 3.27 Department of Botany

1. Name of Department : BOTANY
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Life Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG (M. Sc. in Botany and M. Sc. Plant Molecular Biology (PMB)) and Ph.D.(Botany)
5. Interdisciplinary courses and departments involved : Plant Molecular Biology (with Department of Biotechnology and Bioinformatics; and Department of Biochemistry
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester System, and Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : Ph.D Course work
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	4	4
Associate Professor	6	3
Assistant Professor	7	7

11. Faculty profile with name, qualification, designation and specialization (D. Sc./D. Litt./Ph. D./M. Phil., etc.) :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. P. Tandon	M. Sc. (Lucknow Univ) Ph. D. (Jodhpur Univ)	Professor	Plant Physiology, Biochemistry and Biotechnology	37	3



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. R. C. Laloo	M. Sc. (Gauhati) Ph. D. (Gauhati)	Professor	Ecology	-	2
Prof. A. K. Misra	M. Sc. (Meerut Univ) Ph. D. (Meerut Univ)	Professor	Cell and Molecular Genetics	37	5
Prof. N. K. Chungoo	M. Sc. (Kashmir Univ) Ph. D. (Kashmir Univ)	Professor	Plant Physiology, Plant Molecular Biology	-	4
Prof. M. S. Dkhar	M. Sc. (NEHU) Ph. D. (NEHU)	Professor	Microbiology and Microbial Ecology	26	4
Prof. N. Venugopal	M. Sc. (Madras Univ.) Ph. D. (Madras Univ.)	Professor	Plant Anatomy and Reproductive Biology	30	1
Prof. S.K. Barik	M.Sc. (Berhampur Univ.) Ph. D. (NEHU)	Professor	Forest Ecology, Population Ecology, Biodiversity and Conservation	17	5
Prof. Uma Shankar	M. Sc. (Agra Univ.) Ph. D. (NEHU)	Professor	Ecology, Biodiversity and Conservation	12	4
Prof. H. Kayang	M. Sc. (NEHU) Ph. D. (NEHU)	Professor	Mycology, Plant Pathology, Microbiology, Microbial Ecology	17	3
Prof. S. Kumaria	M. Sc. (NEHU) Ph. D. (NEHU)	Professor	Plant Physiology and Biotechnology	17	4
Dr. Y. Kumar	M. Sc. (Agra Univ.) Ph. D. (NEHU)	Associate Professor	Plant Taxonomy and Biosystematics	27	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. L. Kharlukhi	M. Sc. (NEHU) Ph. D. (IARI, Delhi)	Associate Professor	Plant Physiology	26	Nil
Dr. P. Ramanujam	M. Sc. (NEHU) Ph. D. (NEHU)	Associate Professor	Plant Ecology Algal Ecology	-	2
Dr. M. C. Das	M. Sc. (NEHU) Ph. D. (NEHU)	Assistant Professor	Physiology and Biotechnology	7	Nil

Table 3.92: Faculty Profile of the Department of Botany.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
- S. N. Raina, Retd. Professor, Department of Botany, University of Delhi,
  - H.Y. Mohan Ram, Retd. Professor, Department of Botany, University of Delhi,
  - A.K. Kaul, Retd. Professor, Kashmir University, Srinagar,
  - Chen Tao, China,
  - R. N. Gohil, Retd. Professor, Kashmir University, Srinagar,
  - JP Khurana, Professor, Plant Molecular Biology, South Campus Delhi University, and
  - P. Khurana, Professor, Plant Molecular Biology, South Campus Delhi University.
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: Nil  
During 2014-15: 10% (Guest faculty)
14. Programme-wise Student Teacher Ratio: MA/MSc - 6.2:1 ; PhD - 6.0:1.
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	1	0
UDC/ STA/Steno	6	6
LDC/ TA	2	2
MTS/ Lab Asstt.	5	5

16. Research thrust areas recognized by funding agencies: Biodiversity Conservation: Inventory, Characterization, and Bioprospection
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
Mission for quality planting material production and utilization for the North East	Prof. P. Tandon (Coordinator) Prof. S.K.Barik (PI)	DBT	104.5
Bio- Informatics Centre	Prof. P. Tandon (Co-Ordinator)	DBT	25.0 every year
Species recovery programme for Nepenthes Khasiana, Mantisia spathulata, Nymphaea tetragona	Prof. P. Tandon (PI) Prof. N.K. Chrungoo (Co-PI) Dr. S. Kumaria (Co-PI)	DBT	45.62
Mass propagation of Jatropha spp. of Northeast India	Dr. S. Kumaria (PI) Prof. P. Tandon (Co-PI)	DRDO	9.57
Conservation of rare and important indigenous orchids of Northeast India	Prof. P. Tandon (PI) Dr. S. Kumaria (Co-PI)	DBT	21.0
Studies on forest fragmentation and its impact on population ecology of threatened and ethno medicinal plant species of Khanchendzonga Biosphere reserve.	Prof. S.K.Barik (PI)	MoEF	23.8
Analysis of Natural resources management policy Environment in Meghalaya impacting livelihood of forest poor	Prof. S.K.Barik (PI)	CIFOR, Indonesia	2.6
Mapping and quantitative assessment of geographic distribution and population status of plant resources of eastern Himalayan region	Prof. Uma Shankar	DBT	
Studies on Impact of IFAD project on environment and livelihood	Prof. S.K.Barik (PI)	IFAD -NEC	4.5
Ecorestoration of degraded sacred groves	Prof. S.K.Barik (PI)	GBPIHED	6.7
Development of molecular markers for characterization of accessions of buckwheat (Fagopyrum spp) and quinoa (Chenopodium spp), two important under-utilized crops from Indian Himalayas	Prof. N.K. Chrungoo (PI) Prof. P. Tandon (Co-PI)	DBT, DRDO	28.17
Development of a network enabled database of floral resources of north eastern India	Prof. N.K. Chrungoo (PI) Prof. A.K.Mishra (Co-PI) Prof. S.K.Barik (Co-PI)	DRDO	9.98
Development of molecular markers for identification of buckwheat genotypes with improved grain starch quality under Indo-Slovenian Science and Technology Cooperation	Prof. N.K. Chrungoo Prof. I. Kreft (I from Slovenia)	Indo-Slovenian Science and Technology Cooperation	3.84
The Impact of coal mining on water quality and microbial communities of Jaintia Hills district, Meghalaya	Dr. H. Kayang (PI)	MoEF	15.10



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Creation of database on Medicinal and Aromatic plants of Meghalaya	Dr. H. Kayang (PI) Prof. B. Kharbuli Dr. D. Syiem	NMPB	10.59
Conservation of Panax species in north east India : Characterization of niche and genetic variability, mapping of potential distributional are, establishment of field gene bank and micropropagation	Prof. S.K.Barik (PI) Prof. P. Tandon Prof. A.K.Mishra	DBT	49.93
Ecological studies on Teesta and Kameng river catchments in Sikkim and Arunachal Pradesh	Prof. S.K.Barik (PI)	WAPCOS, Ministry Of Water Resources, Govt. of India	8.55
Micropropagation of some medicinally important orchids of Northeast India.	Dr. S. Kumaria (PI)	UGC	5.87
Network project on development of database on the medicinal plants of the Indian himalayan region	Prof. S.K.Barik (PI) Prof. N.K. Chrungoo Prof. V. Tandon Dr. Uma Shankar	NMBP	9.70
Development of Integrated genetic linkage map and marker assisted selection in tea	Prof. A. K. Misra (PI)	DBT	6.38
Studies on diversity and productivity of algal communities from some selected streams of Meghalaya and effect of various anthropogenic activities	Dr. Papiya Ramanujam	UGC	6.87
Role of earthworms in soil microbial diversity and leaf litter breakdown in two forests stands of Meghalaya.	Prof. M. S. Dkhar (PI) Dr. H. Kayang	UGC	2.988
Ecological studies of Maw Hu, Dibbin, Kameng and Tawang river catchments in Meghalaya and Arunachal Pradesh	Prof. S. K. Barik (PI) Dr. K. Upadhaya	WAPCOS	9.52
Establishment of DBT's rural Bioresource complex in North East India	Prof. P. Tandon (Coordinator) Prof. S.K.Barik (PI)	DBT	172.01
Impact of NERCORMP-IFAD intervention on Livelihood of forest dependent people in Northeast India	Prof. S. K. Barik (PI)	IFAD-NEC	10.0
Ecological survey for Lachung HE Project	Prof. S.K.Barik (PI)	WAPCOS	3.90
Monsoon and post-monsoon ecological and carrying capacity studies in Lohit Basin of Arunachal Pradesh	Prof. S.K.Barik (PI) Dr. K. Upadhaya	WAPCOS	
Terrestrial ecological survey in Lohit and Bichom basin of Arunachal Pradesh	Prof. S.K.Barik(PI)	WAPCOS	





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Ecological survey for the EIA study for lower Kopili H.E. Project, Districts Karbi Anglong and north Cachar Hills Districts of Assam	Prof. S.K.Barik( PI) Dr. K. Upadhaya	WAPCOS	
Environmental baseline Ecological Studies for the Demwe HEP in District Lohit of Arunachal Pradesh	Prof. S.K.Barik (PI)	Athena Demwe Power Private Limited	
Studies on forest fragmentation and its impact on population ecology of threatened and ethno medicinal plant species of Khanchendzonga Biosphere reserve.	Prof. S. K. Barik (PI)	MoEF	
Flora and Fauna of Kylleng PyndenSohiong Mawthabah Uranium rich areas of West Khasi hills, Meghalaya.	Dr. H.Kayang (PI)	BRNS, Mumbai	29.73
Micropropagation of Nardostachys grandiflora and Malaxis wallichii- Two threatened medicinal plants of Northeast India.	Prof. P. Tandon (PI) S. Kumaria Dr. H. Choudhury	DBT	14.69
All India Coordinated research project on Reproductive Biology of Four Rare, endangered and Threatened (RET) Tree species namely: Aquilaria malaccensis (Thymeleaceae),Gymnocladus assamicus (Caesalpinaceae):, Ilex khasiana(Aquifoliaceae): and Illicium griffithii (Illiciaceae) of North East India particularly in Arunachal Pradesh and Meghalaya	Prof. N Venugopal (PI)	MoEF	41.27
Assessment of flora and Fauna Biodiversity for the Nongtra Limestone mine site and surrounding areas	Prof. S. K. Barik (PI)	Lafarge Umiam mining Pvt. Ltd., for a period of 1 year	27.5
Establishment of a DBT Centre at NEHU for Empowerment of North Eastern Human resources for Biotechnology Activities	Prof. P. Tandon (PI) N. K. Chrungoo (Co-PI)	DBT	94.56
Establishment of a State Biotech Hub	Prof. P. Tandon (PI) N. K. Chrungoo (Co-PI)	DBT	304.03
Sacred Grove Ecosystem service assessment in Meghalaya	Prof. S. K. Barik (PI) Dr. K. Upadhaya	MoEF	49.33



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Functional Characterization of an endosperm specific promoter p1028 from common buckwheat and transfer of Bwleg1 gene coding for the buckwheat 26 kDa lysine rich seed storage protein to rice for nutritional enhancement of its grain proteins.	N. K. Chrungoo (PI)	DBT	22.85
Phytochemical profiling, molecular characterization and conservation of <i>Flemingia vestita</i> : Endemic medicinally important plant of Northeast India.	S. Kumaria (PI)	DBT	30.39
Preventing Extinction And Improving Conservation Biological Tools, Status Of Threatened Plant Species Through Application Of Biological Tools, DBT	All India Coordinator: S.K. Barik Sub-Project 1: Coordinator: P. Tandon PI: S. K. Barik Co-PIs: N. Venugopal H. Choudhury M. C. Das Sub-Project 2: PI: N. K. Chrungoo Co-PIs: S. Kumaria K. Upadhaya Sub-Project 15: Coordinator: S.K. Barik Joint Coordinator: N.K. Chrungoo	DBT, New Delhi	268.05
DBT programme on strengthening of Infrastructure for Biotechnology, teaching training and research.	Prof. N. K. Chrungoo (PI) Prof. V. Tandon Prof. Ramesh Sharma Prof. A. Chatterjee	DBT	30.00
Role of earthworms in soil microbial diversity and leaf litter breakdown in two forests stands of Meghalaya.	Prof. M.S.Dkhar (PI) Dr. H. Kayang	UGC, New Delhi	5.53
Phytochemical profiling, molecular characterization and conservation of <i>Flemingia vestita</i> : Endemic medicinally important plant of Northeast India.	S. Kumaria (PI) H. Choudhury (Co-PI) Collaborators: Sunita Shailajan (PI) Herbal Lab., Mumbai	DBT	11.11
Conservation of some <i>Paphiopedilum</i> species (orchid) of Northeast India through asymbiotic seed germination and cryopreservation	Meera Chettri Das (PI) S. Kumaria (Co- PI)	UGC, New Delhi	8.12
Kinetics and mechanism of uptake, translocation and accumulation of natural uranium and fission product <sup>137</sup> Cs in plants	N. K. Chrungoo, PI Collaborator: P.M. Ravi, BARC, PC	DAE-BRNS	28.673



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Popularization and dissemination of technology of bio-pesticide formulations among the poor and marginal (ST) farmers of weaker sections in North East region.	H. Kayang (PI)	DST, New Delhi (Collaborating Project, 3 years w. e. f. June 2013)	41.3942
Survey of endophytic fungi associated with some aromatic plants of North Eastern region and assessment of their effect on chemical profile and biological activity as antimicrobial, aflatoxin inhibitors and antioxidant.	M. S. Dkhar (PI) H. Kayang (Co-PI) Collaborators: N.K. Dubey (PI) (BHU) Richa Raghuvanshi (Co-PI) (BHU)	DBT, New Delhi (Twinning Project for NER, 3 years w. e. f. March 2014)	59.35
Molecular characterization and chemoprofiling of two pharmacologically relevant species of Dendrobium found in Northeast India.	S. Kumaria (PI) M. C. Das (Co-PI) Hiranjit Choudhury (Co-PI) Collaborators: Sunita Shailajan (PI), Herbal Lab., Mumbai	DBT's Twinning programme for the NE.	7.75 (NEHU)
All India coordinated network Research project "Functional genomics approaches in understanding the regulation of synthesis and accumulation of apocarotenoids in saffron crocus (Crocus sativus L.)"	N. K. Chrungoo, PI and All-India programme Coordinator.	DBT	38.972 (NEHU)

Table 3.93: Number of faculty with ongoing projects in the Department of Botany.

18. Inter-institutional collaborative projects and grants received

(a) All India collaboration:

Name of Faculty	Funding Agency	Total Grants (in lakh ₹)
SK Barik (All India Coordinator) and 5 others	DBT	268.05
SK Barik (All India Coordinator)	MoEF	49.33
NK Chrungoo (All India Coordinator)	DBT	77.49

(b) International: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc. total grants received.

Name of the project	Funding Agency	Total Grants (in lakh ₹)
CAS	UGC	130.5
Total		130.5

20. Research facility / centre with



- State Recognition : *Nil*.
- National Recognition :
- (i) UGC - Centre for Advanced Studies,
  - (ii) DBT - State Biotech hub, and
  - (iii) Coordinating Department of 3 All India Coordinated projects sponsored by DBT and MoEF.
- International : *Nil*.

21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*.

22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	54	131	185
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	12	15	27
Edited Books	6	-	6
Books with ISBN with details of publishers	-	-	-
<b>Number listed in International Database</b>			
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	0.25- 3.9 (range)		
h-index	-		

Table 3.94: Detailed Publications of the Department of Botany.

23. Details of patents and income generated: *Nil*.

24. Areas of consultancy and income generated:

Perspective development planning, Cumulative Environmental Impact assessment, Carrying capacity assessment, E-flow assessment, and Landscape level biodiversity management planning: ₹249 lakh (From Government of Arunachal Pradesh)

25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: 3

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. P. Tandon	i. Chairman, Local Advisory Committee, Regional Science Centre, Guwahati, ii. Member, State Higher Education Council under Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Govt. of Arunachal Pradesh,



Name of Faculty	Name of Committee
Prof. P. Tandon	<ul style="list-style-type: none"> <li>iii. Member, Governing Council, Institute of Bioresources and Sustainable Development, Ministry of Science and Technology, Government of India, Imphal,</li> <li>iv. Member, Biotechnology Vision Group of U.P., Government of Uttar Pradesh,</li> <li>v. Member, Research Advisory Committee, Uttarakhand Science Education and Research Centre, Council for Science &amp; Technology, Government of Uttarakhand,</li> <li>vi. Member, Empowered Committee of Experts (Project Approval Board), National Mission on Education through Information and Communication Technology (ICT), Ministry of Human Resource Development, Government of India,</li> <li>vii. Advisor, Institute of Life Sciences, Malkolak Knowledge Centre, Hyderabad,</li> <li>viii. Member, Executive Committee of Central Research &amp; Training Laboratory, National Council of Science Museums, Kolkata,</li> <li>ix. Member, Himalayan Biodiversity Centre for Excellence, Himachal Pradesh University, Simla,</li> <li>x. Member of Academic Bodies of several Universities,</li> <li>xi. Member, National Advisory Council to Prime Minister of India,</li> <li>xii. Member, Scientific Advisory Committee to the Cabinet, Government of India,</li> <li>xiii. Member, Task Force, Bioinformatics, Department of Biotechnology, Ministry of Science and Technology, Government of India,</li> <li>xiv. Member, Research Council, North East Institute of Science and Technology, Jorhat,</li> <li>xv. Member, Board of Governors, National Institute of Technology, Srinagar, J&amp;K,</li> <li>xvi. Member Court and Executive Council, University of Hyderabad,</li> <li>xvii. Member of Executive Council, Central University of Orissa,</li> <li>xviii. Member of Executive Council, Central University of Rajasthan,</li> <li>xix. Member Executive Council, Nagaland University,</li> <li>xx. Member, Academic Council, Central University of Jharkhand, Ranchi,</li> <li>xxi. Member, Academic Council, Central University of Kerala, Kasargod,</li> <li>xxii. Member, Working Group XI Five-Year Plan North Eastern Council, Shillong,</li> <li>xxiii. Member, Vision NER – 2020 of the North Eastern Council, Shillong,</li> <li>xxiv. Member, Governing Council of the North Eastern Space Application Centre (NESAC), Umiam,</li> <li>xxv. Member, National Academic Planning Committee of the 30th Indian Social Science Congress,</li> <li>xxvi. Member, Working Group of Eleventh Five-Year Plan of the Indian Space Research Organisation, Bangalore,</li> <li>xxvii. Member, Expert Group for the scheme on Assistance to Botanical Gardens and Centres of Ex-situ Conservation, Ministry of Environment and Forests, Government of India,</li> </ul>



Name of Faculty	Name of Committee
Prof. P. Tandon	xxviii. Member, Task Force on Application of Biotechnology for Biodiversity Conservation and Environment, Department of Biotechnology, Ministry of Science and Technology, Government of India, xxix. Chairman, Research Advisory Committee, National Research Centre for Orchids, Pakyong, Sikkim.
Prof. N.K. Chrungoo	i. DBT Task Force on biotechnology based programme for women, ii. DBT Task Force on Basic plant biotechnology, agriculture and frontier areas, iii. DBT PMC on Biotechnology led socio-economic empowerment of farm women,
Prof. S. Kumaria	Executive Committee Member, The Orchid Society of India
Prof. S. K. Barik	i. MoEF ENVIS Scientific Advisory Committee, ii. MoEF ENVIS Programme Monitoring Committee, iii. MoEF IGPP Award Committee, iv. DBT Project Monitoring committee, v. DBT Environmental Biotechnology and Biodiversity Conservation Task Force, vi. DBT Apex Committee for North-Eastern region, vii. Planning Commission Working Group on Forestry, viii. MAB National Committee of MoEF, ix. Ecosystem Research Expert Committee of MoEF, x. State Biodiversity Board, Meghalaya, xi. State Medicinal Plant Board, Meghalaya, xii. State Wildlife Board, Meghalaya, xiii. State Committee for Critical ecosystem Zone delineation, Meghalaya and Nagaland, xiv. Meghalaya State Environmental Expert Appraisal Committee of MoEF,
<i>International Committees</i>	
Prof. S. K. Barik	i. UNDP Biodiversity Award Committee, ii. Member, Executive Committee, International Society for Tropical Ecology, iii. Member, Executive Council, International Society for Environmental Botanists.
N.K. Chrungoo	Asia-pacific Representative, International Buckwheat Research Association
<i>Editorial Board</i>	
Dr. M. C. Das	i. Proceedings of the second International Symposium and Plant Cryopreservation, ii. Tropical Life sciences Research, iii. The journal of Horticulture Science and Biotechnology.
Prof. A.K. Misra	i. Journal of Bioscience, ii. Indian J. Microbiology, and iii. Archives of Microbiology
Prof. N.K. Chrungoo	Phagopyron
Prof. S. K. Barik	i. Tropical Ecology, and ii. Journal of Biodiversity
<i>Any other (Please specify)</i>	



Name of Faculty	Name of Committee
Prof. S.K. Barik	i. Technical Adviser, UNDP Biodiversity Conservation Project, Arunachal Pradesh, and ii. National Chief Technical Adviser, Indo-German Development Cooperation Project, Tripura

Table 3.95: Faculty of the Department of Botany Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:

- Participation in Refresher Courses as Resource persons as well as participant,
- Participation in Seminars,
- Extramural project formulation and presentation to different funding agencies, and
- Visit to other National and International Laboratories/ Institutions.

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	25%

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Uma Shankar	-	DBT Overseas Fellowship	-	-	-
M.C. Das		-	-	-	DBT Overseas Fellowship



P. Tandon	Padma Shri (2009) Awarded by President of India Millennium Plaques of Honors (2009) received from Honorable Prime Minister of India during 96th Indian Science Congress	Elected Sectional President, Plant Sciences - 97th Annual Session Indian Science Congress and delivered the Presidential Address on 'Plant Diversity: Perspectives of Conservation and Value Addition' on January 4, 2010 at Trivandrum.	Professor Saligram Sinha Memorial Lecture Award (2011) of National Academy of Sciences, India	Prof. A.R. Chavan Memorial Lecture Award (2013) of the M.S. University of Baroda. Biodiversity Lecture Award (2013) of National Academy of Sciences, India	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	Dr. Evanylla Kharlyngdoh: Dr. Brandi's prize for best paper of the year from Indian Forester		Dr. John Z Sailo	Dr. Haribansan Swer	Dr. Neilhousano Nakhro
-	-	-	-	Dr. Bibhuti B. Das	Dr. Ruth Laldintheta
<i>Students</i>					
-	-	-	-	-	-

Table 3.96: Awards/recognitions of Faculties of the Department of Botany.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Summer School for Under Graduate (Hons.) students from 19th May- 9th June 2009.	DBT	31
Second Winter Camp for Science Students under DST-INSPIRE programme from December 13th - 17th, 2010.	DST, GoI.	-





<b>Title of Seminar/Conference</b>	<b>Funding Agency and Amount</b>	<b>Outstanding Participant(s)</b>
National Seminar on Assessment and Conservation of plant genetic resources under changing environment from 8-10, September, 2010.	DBT, DST, UGC	-
Summer School was organized for B.Sc honours students from different colleges of Meghalaya from 27th - 8th October, 2010.	DBT	-
Indo-Taiwan joint workshop on bamboo flowering and rodent control was organized from 11-13 November, 2010 at Hotel Ginger, Guwahaty, India	DST, GoI	-
Workshop on preventing Extinction and improving conservation status of Threatened plants through application of biotechnological tools on 17-18, March 2011 at NEHU, Guest house, Shillong.	DBT	-
Regional workshop on biodiversity conservation jointly organised with NERCOMP, International fund for Agriculture Development (IFAD) project, Shillong on 7-9 December 2010	IFAD	-
Refresher Course on Plant Diversity and Conservation from 17 <sup>th</sup> March - 6 <sup>th</sup> April 2011	UGC	-
Training course on Bioinformatics: A practical approach on April 19 -24, 2010 at bioinformatics centre, NEHU.	DBT	-
DST-INSPIRE winter camp during December13-17, 2011.	DST	-
Sacred forest ecosystem services' on 23rd April, 2011.	MoEF, GoI	-
Preventing Extinction and improving conservation status of Threatened plants through application of biotechnological tools on 12 <sup>th</sup> May 2012.	DBT	-
Hands on Training workshop on Techniques in proteomics (July 17-22, 2012)	DBT project on Establishment of State level biotech hub.	-
Hands on Training workshop on DNA Cloning, Sequencing and Sequence Analysis (September 10-15, 2012)	DBT project on Empowerment of human resources of NER for Biotechnology Activities	-
Hands on Training workshop on Real time PCR and its applications (Nov 28-30, 2012)	DBT project on Establishment of State level biotech hub.	-
Training Programme on Ecological Niche modelling and population studies under the programme on Preventing Extinction and improving conservation status of Threatened plants through application of biotechnological tools organized at NEHU, Shillong from 20-21 December, 2012.	Department of Biotechnology, Ministry of Science and Technology, Government of India.	-



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Hands on Training workshop on Techniques in Plant Tissue culture (March 5-12, 2013)	DBT project on Establishment of State level biotech hub.	-
Short term Training workshop on Deciphering microarrays (March 15-16, 2013).	DBT project on Establishment of State level biotech hub.	-
Organised monitoring workshop under All-India Coordinated DBT project entitled Preventing extinction and improving conservation status of Threatened plants through application of biotechnological tools at Sikkim University, Gangtok on 17th May, 2013.	DST	-
Autumn school in plant sciences for graduate degree students from October 18-31, 2013.	DBT	-
Inception workshop under All India coordinated Network research project Functional genomics approaches in understanding the regulation of synthess and accumulation of apocarotenoids in saffron crocus ( <i>Crocus sativus</i> L.) on October 26th, 2013 at Department of Biotechnology, University of Kashmir, Srinagar.	DBT	-
Hands on Training workshop on Techniques in proteomics from February 20th March 14th , 2014.	DBT	-
A two day workshop on Reproductive Biology of threatened plants at Baba Ghulam Shah Bad Shah University, Jammu and Kashmir on February 21-22, 2014 in collaboration with the centre for biodiversity, Baba Ghulam Shah Bad Shah University, Jammu and Kashmir.	DBT	-
Hands on Training workshop on NGS and its applications from March 1-8, 2014.	DBT	-
National Symposium on Himalayan Biodiversity: Prospects and Challenges 20-21st March 2014	DBT, DST, CSIR and UGC -	133 Participants -
Ecological Niche Modelling hands on training under All-India Coordinated DBT project at NEHU from 27-28, March, 2014.	DBT	-

31. Code of ethics for research followed by the Department/ Centre:

- (a) Statutory provisions under Biodiversity Act, Wildlife Protection Act, and for maintaining professional ethics are strictly followed.
- (b) Disciplinary Committee at departmental level is in place.



## 32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MSc (Botany) PhD	86 -	12 -	18 -	100 -	100 -
2010-11 MSc (Botany) MSc (PMB) PhD	115 61 -	13 3 -	17 7 -	100 - -	100 - -
2011-12 MSc (Botany) MSc (PMB) PhD	126 76 -	16 2 -	14 8 -	100 - -	100 - -
2012-13 MSc (Botany) MSc (PMB) PhD	175 99 -	11 2 -	14 8 -	100 - -	100 - -
2013-14 MSc (Botany) MSc (PMB) PhD	183 94 -	10 3 -	21 7 -	100 - -	100 - -

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MSc (Botany) PhD	60 -	0 -	40 -	0 -
2010-11 MSc (Botany) MSc (PMB) PhD	60 - -	0 - -	40 - -	0 - -
2011-12 MSc (Botany) MSc (PMB) PhD	70 - -	0 - -	30 - -	0 - -
2012-13 MSc (Botany) MSc (PMB) PhD	80 - -	0 - -	20 - -	0 - -
2013-14 MSc (Botany) MSc (PMB) PhD	70 - -	0 - -	30 - -	0 - -



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- NET:
- i. Ratul Baishya
  - ii. Wishfully Myinglyiep
  - iii. Raghavar Tiwary
  - iv. Blessing Roy suchiang
  - v. Ferdinend marbaniang
  - vi. Gayle Alisha Kharshining
  - vii. Alaistor Nongrum
  - viii. Neeta Pathaw
  - ix. Chipem vashi
  - x. Bibhuti Bhushan Das
  - xi. Mipeshwaree Devi
  - xii. Meena Elangbam

- GATE:
- i. Ms. Parismita Sarma
  - ii. Ms. Rashmi Gogoi
  - iii. Mr. Raghavar Tiwary
  - iv. Jyoti Pathak

- SET: i. Ms. Rashmi Gogoi

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	About 10%
PG to M. Phil.	0
PG/ M.Phil. to Ph.D.	About 20%
Ph.D. to Post Doctoral	About 20%
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	5	6	8	0
From other universities within the State	0	0	0	0
From universities from other States	9	8	6	0
From universities outside the country	0	0	0	0

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *All the faculty members were recruited as Ph. D. degree holders.*



38. Present details of infrastructure facilities with regard to:

<i>Library</i>	A Departmental Library in addition to Central Library
<i>Internet facilities for staff and students</i>	All the labs and faculty rooms are connected to internet
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	4
<i>Students' laboratories</i>	4
<i>Research laboratories</i>	14

39. List of doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	5	-
2010-11	-	-
2011-12	6	-
2012-13	5	1
2013-14	5	-

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
30	40	35	40	41

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *No new programme was initiated during the period under report.*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, Revise the Syllabus periodically.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, improved through advisory notes.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Alumni Association formed in 2014.*

43. List the distinguished alumni of the department (maximum 10):

- i. B. S. Courie, Principal Chief Conservator of Forests, and Head of Forest Force, Kerala,
- ii. S. P. S. Kushwaha, Professor, IIRS, ISRO, Dehradun,
- iii. Ram Boojh, UNESCO, Delhi,
- iv. K. G. Saxena, Professor, JNU, New Delhi,
- v. K. S. Rao, Professor, DU, Delhi,
- vi. N. K. Verma, Professor, VidyaSagar University,



- vii. Nirmal Joshi, Professor, Port Valley State University, USA,
  - viii. Sushma Varghese, Faculty, K.S. Western Reserve University, Cleveland, Ohio, USA,
  - ix. K. Haridasan, Director (Retd), FRLHT, Bangalore, and
  - x. Mr. P. Kharkongor, IAS, Principal Secretary, Government of Meghalaya.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
    - a) M. Sc. Students: Each M.Sc student delivers a seminar on his/her project work in front of a panel of external experts during the examination every year.
    - b) Research scholars participate in workshop and seminars organised in India and abroad and present their research works regularly.
  45. List the teaching methods adopted by the faculty for different programmes:
    - i. Lectures using Audio-Visual Aids,
    - ii. Seminars and assignments, and
    - iii. Other innovative teaching methods.
  46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
    - a) For students, Continuous assessment is done through tests and seminars,
    - b) The research program objectives of the department are reviewed every 5 years.
  47. Highlight the participation of students and faculty in extension activities:
    - i. NSS,
    - ii. Celebrations of important days such as National Science Day, World environmental Day, World Biodiversity day etc.,
    - iii. Lab to land technology transfer and technology incubation centre for bio-resource of the region.
  48. Give details of "beyond syllabus scholarly activities" of the department:
    - (a) The students are regularly sent on "Study tour" to different National labs and Natural ecosystems,
    - (b) Botanic Club activities in the department enthuse students and scholars for undertaking innovative research, and
    - (c) Students participate in national and international seminars as oral and poster presenters.
  49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*.
  50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
    - (a) New knowledge have been generated on various aspects of biodiversity that have been published in the form of research papers, books and submitted to the funding agencies in the form of project reports, and
    - (b) New technologies on eco-restoration and bio processes have been demonstrated.



51. Future plans of the department: *To accelerate research activities in frontier areas of plant sciences such as bio resource development, molecular characterization of plant diversity and bioprospection.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Active Faculty, Diverse Curriculum, Good Infrastructure.

**Weaknesses:**

- Vacant Positions, paucity of man power in specific areas, lack of financial autonomy at department level, Locational disadvantage for equipment procurement and repair.

**Opportunities:**

- Bio diversity rich region.

**Challenges:**

- Assess to advance technologies, too much control by UGC norms.



### 3.28 Department of Zoology

1. Name of Department : ZOOLOGY
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Life Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.Sc. and Ph.D. courses in Zoology
5. Interdisciplinary courses and departments involved : Open Courses - Techniques in Biology (ZOO OC: 205 & 206) and Animal Diversity (ZOO OC: 305 & 306) All the existing departments in the University
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Some Ph. D. Work are running in collaboration with other universities/Institutes.
7. Details of programmes / courses discontinued, if any, with reasons : M. Phil.
8. Annual/ Semester/Choice Based Credit System : Semester System/ Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : The department participates in the open courses offered by other departments of the University and in the school level course in the Ph. D. Course work.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	4	2
Associate Professor	4	4
Assistant Professor	6	6

Name of the faculty	Designation	DR/CAS*
Dr. V. Tandon	Professor	DR
Dr. B. K. Sharma	Professor	DR
Dr. B. B. P. Gupta	Professor	CAS
Dr. S. B. Prasad	Professor	CAS
Dr. R. N. K. Hooroo	Professor	CAS
Dr. N. Saha	Professor	DR
Dr. S. N. Ramanujam	Professor	CAS





<i>Name of the faculty</i>	<i>Designation</i>	<i>DR/CAS*</i>
Dr. A. K. Yadav	Professor	CAS
Dr. B. Roy	Professor	CAS
Dr. A. S. Dixit	Professor	CAS
Dr. Bela Keshan	Associate Professor	DR
Dr. S. Ghosh	Associate Professor	DR
Dr. S. Choudhury	Assistant Professor	DR
Dr. S. R. Hajong	Assistant Professor	DR
Dr. B. Das	Assistant Professor	DR

\* Direct Recruitment/Career Advancement Scheme

11. Faculty profile with name, qualification, designation and specialization (D. Sc./D. Litt./Ph. D./M. Phil., etc.) :

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of Ph. D./ M. Phil. students guided for the last 4 years</b>
Dr. V. Tandon	M.Sc., Ph.D.	Professor	Parasitology	40	15
Dr. B. K. Sharma	M.Sc., Ph.D.	Professor	Limnology & Biosystematics	35	6
Dr. B. B. P. Gupta	M.Sc., Ph.D.	Professor	Endocrinology	30	7
Dr. S. B. Prasad	M.Sc., Ph.D.	Professor	Cell Biology	32	8
Dr. R. N. K. Hooroo	M.Sc., Ph.D.	Professor	Developmental Biology	33	7
Dr. N. Saha	M.Sc., Ph.D.	Professor	Biochemical Adaptation	26	11
Dr. S. N. Ramanujam	M.Sc., Ph.D.	Professor	Fish Biology	32	7
Dr. A. K. Yadav	M.Sc., Ph.D.	Professor	Parasitology	21	5
Dr. B. Roy	M.Sc., Ph.D.	Professor	Parasitology	18	8
Dr. A. S. Dixit	M.Sc., Ph.D.	Professor	Endocrinology	24	4
Dr. Bela Keshan	M.Sc., Ph.D.	Associate Professor	Insect Endocrinology and Molecular Biology	16	3
Dr. S. Ghosh	M.Sc., Ph.D.	Associate Professor	Genetics	5	2
Dr. S. Choudhury	M.Sc., Ph.D.	Assistant Professor	Entomology	12	2
Dr. S. R. Hajong	M.Sc., Ph.D.	Assistant Professor	Entomology	14	8
Dr. B. Das	M.Sc., Ph.D.	Assistant Professor	Biological Chemistry	7	4

Table 3.97: Faculty Profile of the Department of Zoology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*



14. Programme-wise Student Teacher Ratio: *M.Sc.: 4:1; Ph.D.: 4:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	1	0
UDC/ STA	4	3
LDC/ TA	4	4
MTS/ Lab Asstt.	4	3
Store Keeper	1	1
Junior Artist	1	1
Peon	1	1
Cleaner	2	0
Animal collector	1	1

Name of the Staff	Designation
R. Kharkongor	P.A./Stenographer
P. C. Rai	Store Keeper
Dr. Z. Y. Kharbuli	STA
Dr. J. Khongsngi	STA
H. Vanlala	Tech. Asstt.
L. Singson	Tech. Asstt.
P. S. Shullai	UDC
D. Dingh	Lab. Asstt.
A. P. Pyngrope	Lab. Asstt.
H. L. Lyngdoh Mawphlang	Jr. Artist
S. Kharkongor	Peon
R. P. Rai	Animal Collector

16. Research thrust areas recognized by funding agencies: *Faunal Diversity and Ecophysiology.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
2009 - 10			
All India Co-ordinated Project on Capacity Building in Taxonomy - Helminths and Nematodes (AICOPTAX).	Prof. V. Tandon	MoEF, New Delhi	6.00
Bio-Informatics Centre	Prof. V. Tandon	DBT, New Delhi	20.00
North-East Parasite Information and Analysis Centre (NEPIAC): <i>an in silico approach</i>	Prof. V. Tandon	DIT, MCIT, New Delhi	135.0



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Status of amphistomiasis and molecular taxonomy of amphistome parasites in mammalian livestock in Northeast India	Prof. V. Tandon	DBT, New Delhi	26.00
Physiological significance of occurrence/expression of different types of nitric oxide synthases and production of nitric oxide under environmental constraints and pathological conditions in catfish, <i>Heteropneustes fossilis</i> .	Prof. N. Saha	DST, New Delhi	22.15
Expression and tissue distribution of different isoforms of nitric oxide synthases and production of nitric oxide under environmental constraints in air-breathing catfish, <i>Clarias batrachus</i> .	Prof. N. Saha	UGC, New Delhi	5.03
Measurement of radionuclides and trace elemental concentrations and their transfer factors in Environmental Matrices around the proposed Uranium Mining, Milling and Tailing Pond site at K.P. Mawthabah (Domiasiat), West Khasi Hills District, Meghalaya.	Prof. B. Kharbuli	DAE-BARC, Mumbai	47.50
Studies on health status and demographic pattern of population around Domiasiat area, West Khasi Hills, Meghalaya.	Prof. B. Kharbuli	DAE-BARC, Mumbai	30.00
Role of proximate factor(s) in timing the seasonal breeding in Passeriformes finches of North-East.	Dr. A. S. Dixit	DST, New Delhi	34.00
Icthyofaunal diversity and studies on the biology of certain indigenous ornamental fishes of Meghalaya.	Prof. S. N. Ramanujam	MoEF, New Delhi	16.50
Molecular aspect of stress endocrinology: cross-talk between signaling molecules and gene expression in fat body and ovary following temperature stress in silkworm, <i>Bombyx mori</i> .	Dr. B. Keshan	DST, New Delhi	17.05
Comparative proteomic and transcriptomic analyses of PEPCK under the influence of <i>Flemingia vestita</i> derived phytoestrogen (Genistein)	Dr. B. Das Prof. V. Tandon	DBT, New Delhi	148.00
2010 - 11			
All India Co-ordinated Project on Capacity Building in Taxonomy - Helminths and Nematodes (AICOPTAX).	Prof. V. Tandon	MoEF, New Delhi	6.00



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
BRIC - III Biodiversity Informatics: Data Capture and Management.	Prof. V Tandon	DBT, New Delhi	31.84
“Next Generation Sequencing and Genome Information of Parasite Biodiversity of medico-veterinary significance in North-East India”	Prof. V Tandon, Prof. Alok Bhattacharya	DBT, New Delhi.	78.80
Flora and Fauna of Kylleng Pynden Sohiong Mawthabah uranium rich areas of West Khasi Hills, Meghalaya.	Prof. B. Kharbuli	BRNS-BARC, Mumbai	29.73
Influence of hyper-ammonia stress on the expression of multiple glutamine synthetase genes, mRNAs for ornithine-urea cycle enzymes and mitogen activated protein kinase in air-breathing catfish, <i>Heteropneustes fossilis</i>	Prof. N. Saha	DST, New Delhi	38.50
Histopathological and enzymatic studies on toxicity of Cu and Cd in the catfish, <i>Heteropneustes fossilis</i> (Bloch) in relation to pH variation	Prof. S. N. Ramanujam	UGC, New Delhi	8.62
Analysis of molecular signalling proteins and epigenetic factors responsible for regulation of PEPCK expression.	Dr. B. Das	DBT, New Delhi	86.00
2011 - 12			
Taxonomy of Indian Freshwater Cladocera (Crustacea: Branchiopoda) with special emphasis on faunal and ecosystem diversity in different states of North Eastern India' (AICOTAX Project)	Prof. B K Sharma	Ministry of Environment & Forest	17.35
Molecular characterization in the expression of mRNAs for ornithine-urea cycle enzymes and enzyme proteins, multiple glutamine synthetase genes and signaling cascades under hyper-ammonia stress in the air-breathing walking catfish, <i>Clarias batrachus</i>	Prof. N. Saha	DBT, New Delhi	69.10
Insect hormones and insulin signaling in silkworm, <i>Bombyx mori</i> under fed and starved conditions: a study at molecular level	Dr. B. Keshan	DBT, New Delhi	55.57
Epigenetic status of pro/anti apoptotic activity of age- related genes involved in breast cancer	Dr. B. Das	DBT, New Delhi	123.66
2012 - 13			



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
Effects of high environmental ammonia on the expression of multiple glutamine synthetase genes, mitogen-activated protein kinases and Hsp70 in the air-breathing mud eel, <i>Monopterus albus</i>	Prof. N. Saha	UGC, New Delhi	12.76
Epigenetic status of pro/anti apoptotic activity of age-related genes involved in breast cancer (No. BT/253/NE/TBP/2011 dated May 07, 2012)	Dr. B. Das	DBT, New Delhi	36.23
2013 - 14			
Studies on the pharmacological properties	Prof. B. Roy	UGC, New Delhi	12.788
Cyto-toxic potential of $\alpha$ -viniferin, a natural polyphenolic compound in Swiss albino mice.	Prof. B. Roy	DST, New Delhi	49.58
Role of kisspeptin and GnIH in regulation of seasonal breeding in the tree sparrow.	Prof. A. S. Dixit	DST, New Delhi	48.91
Identification and development of DNA methylation biomarkers for oral/oropharyngeal cancers prevalent in the North-Eastern States of India.	Dr. S. Ghosh	DBT, New Delhi	53.08
Identification and development of DNA methylation biomarkers for stomach cancers prevalent in Mizoram, India.	Dr. S. Ghosh	DST, New Delhi	46.54
Antibiosis and other protective mechanisms against entomopathogens in a nest building eusocial ant.	Dr. S. R. Hajong	DST, New Delhi	12.00
<b>International</b>			
-	-	-	-

Table 3.98: Number of faculty with ongoing projects in the Department of Zoology.

## 18. Inter-institutional collaborative projects and grants received

## (a) All India collaboration:

Name of Faculty	Title of the Project	Funding Agency	Total Grants (in lakh ₹)
V. Tandon, A. Bhattacharya	Next Generation Sequencing and Genome Information of Parasite Biodiversity of medico- veterinary significance in North- East India	DBT, New Delhi	78.80



N. Saha, M. K. Santra	Molecular characterization in the expression of mRNAs for ornithine-urea cycle enzymes and enzyme proteins, multiple glutamine synthetase genes and signaling cascades under hyper-ammonia stress in the air-breathing walking catfish, <i>Clarias batrachus</i>	DBT, New Delhi	69.10
B. Das, V. Tandon, A. Sharma of ICGEB, Delhi	Comparative proteomic and transcriptomic analyses of PEPCK under the influence of <i>Flemingia vestita</i> derived phytoestrogen (Genistein)	DBT, New Delhi	148.00

(b) International: *Nil*

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

Name of Faculty	Title of the Project	Funding Agency	Total Grants (in lakh ₹)
Prof. V. Tandon	Bio-Informatics Centre (Sub DIC)	DBT, New Delhi	20.00
Prof. V. Tandon	Status of amphistomiasis and molecular taxonomy of amphistome parasites in mammalian livestock in Northeast India	DBT, New Delhi	26.00
Prof. N. Saha	Physiological significance of occurrence/expression of different types of nitric oxide synthases and production of nitric oxide under environmental constraints and pathological conditions in catfish, <i>Heteropneustes fossilis</i>	DST, New Delhi	22.15
Prof. N. Saha	Expression and tissue distribution of different isoforms of nitric oxide synthases and production of nitric oxide under environmental constraints in air-breathing catfish, <i>Clarias batrachus</i>	UGC, New Delhi	5.03
Dr. A. S. Dixit	Role of proximate factor(s) in timing the seasonal breeding in Passeriformes finches of North-East	DST, New Delhi	34.00
Dr. B. Keshan	Molecular aspect of stress endocrinology: cross-talk between signaling molecules and gene expression in fat body and ovary following temperature stress in silkworm, <i>Bombyx mori</i>	DST, New Delhi	17.05
Dr. B. Das, Prof. V. Tandon, Dr. A. Sharma of ICGEB, Delhi	Comparative proteomic and transcriptomic analyses of PEPCK under the influence of <i>Flemingia vestita</i> derived phytoestrogen (Genistein)	DBT, New Delhi	148.00



Name of Faculty	Title of the Project	Funding Agency	Total Grants (in lakh ₹)
Prof. V Tandon	Establishment of Portal for Indian Bioresource Information Network (IBIN) under BRIC - III Biodiversity Informatics: Data Capture and Management	DBT, New Delhi	31.84
Prof. V Tandon, Prof. Alok Bhattacharya	Next Generation Sequencing and Genome Information of Parasite Biodiversity of medico-veterinary significance in North-East India	DBT, New Delhi	78.80
Prof. N. Saha	Influence of hyper-ammonia stress on the expression of multiple glutamine synthetase genes, mRNAs for ornithine-urea cycle enzymes and mitogen activated protein kinase in air-breathing catfish, <i>Heteropneustes fossilis</i>	DST, New Delhi	38.50
Prof. S. N. Ramanujam	Histopathological and enzymatic studies on toxicity of Cu and Cd in the catfish, <i>Heteropneustes fossilis</i> (Bloch) in relation to pH variation	UGC, New Delhi	8.62
Dr. B. Das	Analysis of molecular signalling proteins and epigenetic factors responsible for regulation of PEPCK expression	DBT, New Delhi	86.00
Prof. N. Saha, Dr. M. K. Santra	Molecular characterization in the expression of mRNAs for ornithine-urea cycle enzymes and enzyme proteins, multiple glutamine synthetase genes and signaling cascades under hyper-ammonia stress in the air-breathing walking catfish, <i>Clarias batrachus</i>	DBT, New Delhi	69.10
Dr. B. Keshan	Insect hormones and insulin signaling in silkworm, <i>Bombyx mori</i> under fed and starved conditions: a study at molecular level	DBT, New Delhi	55.57
Dr. B. Das	Epigenetic status of pro/anti apoptotic activity of age- related genes involved in breast cancer	DBT, New Delhi	123.66
Prof. N. Saha	Effects of high environmental ammonia on the expression of multiple glutamine synthetase genes, mitogen-activated protein kinases and Hsp70 in the air-breathing mud eel, <i>Monopterus albus</i>	UGC, New Delhi	12.76



Name of Faculty	Title of the Project	Funding Agency	Total Grants (in lakh ₹)
Prof. B. Roy	Studies on the pharmacological properties of <i>Lysimachia ramosa</i> and its active component(s)	UGC, New Delhi	12.788
Prof. B. Roy	Cyto-toxic potential of $\gamma$ -viniferin, a natural polyphenolic compound, in Swiss albino mice	DST, New Delhi	49.58
Prof. A. S. Dixit	Role of kisspeptin and GnIH in regulation of seasonal breeding in the tree sparrow	DST, New Delhi	48.91
Dr. S. Ghosh	Identification and development of DNA methylation biomarkers for oral/oropharyngeal cancers prevalent in the North-Eastern states of India	DBT, New Delhi	53.08
Dr. S. Ghosh	Identification and development of DNA methylation biomarkers for stomach cancers prevalent in Mizoram, India	DST, New Delhi	46.54
Dr. S. R. Hajong	Antibiosis and other protective mechanisms against entomopathogens in a nest building eusocial ant	DST, New Delhi	12.00

20. Research facility / center with Recognition : State / National / International: *NA*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *NA*
22. Publications: (Detailed List of publications to be provided to the visiting team): *Please refer to (Section 3.28.1, pp. 618) for details.*

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	73	112	185
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	14	03	17
Edited Books	01	01	02
Books with ISBN with details of Publishers	01	01	02
<i>Number listed in International Database</i>			
Citation Index – range / average	3 – 14 / 3.4		
SNIP	-		
SJR	-		
Impact Factor – range / average	0.5 – 12.16 / 2.65		
h-index	8.1		

Table 3.99: Detailed Publications of the Department of Zoology.

23. Details of patents and income generated:  
**2009-2010:**





Following sequences submitted to the Genbank and accession numbers received as per details below:

Sequences submitted to the Genbank by V. Tandon *et al.* and accession numbers received:

Species	GenBank Accession No.	Region Amplified
<i>Homalogaster paloniae</i>	GU133056	ITS2
<i>Calicophoron calicophorum</i>	GU133057	ITS2
<i>Orthocoelium streptocoelium</i>	GU133058	ITS2
<i>Fischoederius cobboldi</i> (Cow)	GU133059	ITS2
<i>Fischoederius cobboldi</i> (Goat)	GU133060	ITS2
<i>Fischoederius elongatus</i> (Goat)	GU133061	ITS2
<i>Fischoederius elongatus</i> (Cow)	GU133062	ITS2
<i>Hymenolepis diminuta</i>	FJ939132	ITS2
<i>Taenia taeniaeformis</i>	FJ939133,	ITS1,
	FJ939134,	ITS2,
	FJ939135	CO1
<i>Microphallid sp.</i>	FJ966109,	28S,
	FJ966110,	ITS1,
	FJ966111	ITS2
<i>Lytocestus birmanicus</i>	FJ957901	ITS2
<i>Lytocestus indicus</i>	FJ957902	ITS2

Sequences submitted to the Genbank by N. Saha *et al.* and accession numbers received:

- EU527190 : *Clarias batrachus* beta-actin mRNA, partial cds.
- EU527191 : *Clarias gariepinus* beta-actin-like mRNA, partial cds.
- GQ860954 : *Heteropneustes fossilis* fructose-1,6-bisphosphatase mRNA, partial cds.
- GU131155 : *Heteropneustes fossilis* glucose-6 phosphatase mRNA, partial cds.
- GU238268 : *Clarias gariepinus* glucose-6-phosphatase mRNA, partial cds.
- GU253692 : *Heteropneustes fossilis* endothelial nitric oxide synthase (NOS3) mRNA, partial cds.
- GU266770 : *Heteropneustes fossilis* neuronal nitric oxide synthase (NOS1) mRNA, partial cds.
- GU322465 : *Heteropneustes fossilis* nitric oxide synthase (NOS2) mRNA, partial cds.

#### 2010-2011:

Sequences submitted to the Genbank by N. Saha *et al.* and accession numbers received as per details below:

- HQ184029 : *Heteropneustes fossilis* glutamine synthetase (GS01) mRNA, partial cds.
- HQ201957 : *Heteropneustes fossilis* glutamine synthetase (GS02) mRNA, partial cds.



- HQ667788 : *Monopterusuchia* glutamine synthetase (GS01) mRNA, partial cds.  
 JF923541 : *Clarias batrachus* fructose-1,6-biphosphatase mRNA, partial cds.  
 JN021561 : *Heteropneustes fossilis* arginase-I mRNA, partial cds.

**2011-2012:**

Sequences submitted to the Genbank by V. Tandon *et al.* and accession numbers received:

Species	GenBank Accession No.	Region Amplified
<i>Homalogaster paloniae</i>	GU133056	ITS2
<i>Calicophoron calicophorum</i>	GU133057	ITS2
<i>Orthocoelium streptocoelium</i>	GU133058	ITS2
<i>Fischoederius cobboldi</i> (Cow)	GU133059	ITS2
<i>Fischoederius cobboldi</i> (Goat)	GU133060	ITS2
<i>Fischoederius elongatus</i> (Goat)	GU133061	ITS2
<i>Fischoederius elongatus</i> (Cow)	GU133062	ITS2
<i>Gastrothylax crumenifer</i> (Cow)	HM159382	ITS2
<i>Carmyerius spatiosus</i> (Cow)	HM159381	ITS2
<i>Velasquezotrema tripurensis</i> (Cow)	HM159383	ITS2
<i>Hymenolepis diminuta</i>	FJ939132	ITS2
<i>Taenia taeniaeformis</i>	FJ939133,	ITS1,
	FJ939134,	ITS2,
	FJ939135	COI
<i>Microphallid sp.</i>	FJ966109,	28S,
	FJ966110,	ITS1,
	FJ966111	ITS2
<i>Lytocestus birmanicus</i>	FJ957901	ITS2
<i>Lytocestus. indicus</i>	J957902	ITS2
R. echinobothrida	JN797628	ITS2 sequence

Sequences submitted to the Genbank by N. Saha *et al.* and accession numbers received:

Species	GenBank Accession No.	Gene Name
<i>Heteropneustes fossilis</i>	HQ201957	glutamine synthetase (GS02) mRNA, complete cds, 1638 bp
<i>Heteropneustes fossilis</i>	HQ184029	glutamine synthetase (GS01) mRNA, 1374 bp
<i>Monopterusuchia</i>	JQ040529	heat shock cognate 70 (hsc70) mRNA, partial cds, 728 bp
<i>Heteropneustes fossilis</i>	JN021561	arginase type 1-like (ARG1) mRNA, partial sequence, 991 bp



<i>Monopterusuchia</i>	JN872212	Heat shock protein 90-beta (hsp90b) mRNA, partial cds, 566 bp
<i>Monopterusuchia</i>	JN675904	Heat shock protein 90-alpha-like (hsp90a) mRNA, partial sequence, 1148 bp
<i>Monopterusuchia</i>	JN643724	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) mRNA, partial cds, 736 bp
<i>Monopterusuchia</i>	JN120311	Heat shock 70 kDa protein (hsp70) mRNA, partial cds, 513 bp
<i>Monopterusuchia</i>	HQ667788	Glutamine synthetase (GS01) mRNA, partial cds, 541 bp
<i>Clarias batrachus</i>	JQ740737	Glutamine synthetase (GS01) mRNA, complete cds, 1389 bp
<i>Clarias batrachus</i>	JQ740738	Glutamine synthetase (GS02) mRNA, complete cds, 1677 bp
<i>Clarias batrachus</i>	JQ753330	<i>Clarias batrachus</i> ornithine carbamoyl transferase (OTC) mRNA, complete cds, 1256 bp
<i>Clarias batrachus</i>	JQ794876	Argininosuccinate lyase (ASL) mRNA, complete cds, 1737 bp
<i>Heteropneustes fossilis</i>	JQ825142	Ornithine carbamoyl transferase (OTC) mRNA, complete cds, 1204 bp
<i>Clarias batrachus</i>	JQ680981	Arginase type 1 mRNA, partial cds, 1008 bp

**2012-13:**

Sequences submitted to the GenBank by V. Tandon *et al.* and accession numbers received:

Species	ITS2	18S	28S	COI
<i>Homalogasterpaloniae</i>	GU133056	*	*	*
<i>Calicophoroncalicophorum</i>	GU133057	*	*	*
<i>C. calicophorum (Tripura)</i>	*			*
<i>Orthocoeliumstreptocoelium</i>	GU133058	*	*	*
<i>Fischoederiuscobboldi (Cow)</i>	GU133059	*	*	*
<i>Fischoederiuscobboldi (Goat)</i>	GU133060	*	*	*
<i>Fischoederiuselongatus (Goat)</i>	GU133061	*	*	*
<i>Fischoederiuselongatus (Cow)</i>	GU133062	*	*	*
<i>Hymenolepisdiminuta</i>	FJ939132	-	-	-
<i>Taeniataeniaeformis</i>	FJ939133,	-	-	FJ939135
<i>Microphallid sp.</i>	FJ966111	-	FJ966109	-
<i>Lytocestusbirmanicus</i>	FJ957901	*	*	*
<i>Lytocestus. indicus</i>	FJ957902	*	*	*
<i>Fasciolopsisbuski</i>	EF027094	-	*	-



<i>Gastrodiscoideshominis</i>	EF027096, EF027097	*	*	EF027095, EU887293
<i>Paragonimusmacrorchis</i>	EF027099	-	-	-
<i>Calicophoronshillongensis</i>	*	*	*	*
<i>Cotylophoroncotylophorum</i>	*	*	*	*
<i>Leiperocotylemeghalayensis</i>	*	*	*	*
<i>Explanatumexplanatum</i>	*	*	*	*
<i>E.explanatum (Pynursla)</i>	*			*
<i>Orthocoeliumorthocoelium</i>	*	*	*	*
<i>O. sp</i>	*	*	*	*
<i>Olveriaindica</i>	*	*	*	*
<i>O.bosi</i>	*	*	*	*
<i>Paramphistomumepiclitum</i>	*	*	*	*
<i>P. epiclitum (Tripura)</i>	*			*
<i>P. sp</i>	*	*	*	*
<i>Paragonimuswestermani</i>	KC297494.1	-	-	-
<i>Fasciolagigantica</i>	EF027103	-	*	-
<i>Artyfechinostomumsufrartyfex</i>	EF027100	-	-	EF027102

Sequence deposited in Genbank by N. Saha *et al.*; Accession nos. not yet released in public domain:

Species	GenBank Accession No.	Gene Name
<i>Clarias batrachus</i>	JQ740737	Glutamine synthetase (GS01) mRNA, complete cds, 1389 bp
<i>Clarias batrachus</i>	JQ740738	Glutamine synthetase (GS02) mRNA, complete cds, 1677 bp
<i>Clarias batrachus</i>	JQ753330	Ornithine carbamoyl transferase (OTC) mRNA, complete cds, 1256 bp
<i>Clarias batrachus</i>	JQ794876	Argininosuccinate lyase (ASL) mRNA, complete cds, 1737 bp
<i>Heteropneustes fossilis</i>	JQ825142	Ornithine carbamoyl transferase (OTC) mRNA, complete cds, 1204 bp
<i>Heteropneustes fossilis</i>	JQ965808	Argininosuccinate lyase (ASL) mRNA, complete cds, 1721 bp
<i>Monopterusuchia</i>	JX112754	Glutamine synthetase (GS03) mRNA, partial cds. 938 bp
<i>Heteropneustes fossilis</i>	JX131625	Glutamine synthetase (GS03) mRNA, complete cds. 1532 bp
<i>Clarias batrachus</i>	JX457351	Glutamine synthetase (GS03) mRNA, complete cds, 1719 bp



<i>Clarias batrachus</i>	JX915762	CPS III mRNA, partial sequence, 927 bp
<i>Clarias batrachus</i>	KC414932	GAPDH, complete cds, 1387 bp
<i>Clarias batrachus</i>	KC507186	GDH mRNA, partial cds, 1872 bp
<i>Clarias batrachus</i>	KC665945	Glutathione-S-transferase mRNA, partial cds
<i>Heteropneustes fossilis</i>	KC689796	CPS III, partial cds, 534 bp
<i>Clarias batrachus</i>	KC736973	Glutathione peroxidase 3 (gpx3) mRNA, partial cds.

**2013-14:**

Sequences submitted by Prof. V. Tandon *et al.* to the Gen Bank (NCBI) during the period of the report:

Sl. No.	Parasite Name	ITS2	18S	28S	mtCO1
1	<i>Paragonimus westermani</i>	KC297494	KF781291	KF781290	KF781292
2	<i>Paragonimus heterotremus</i>	KF781293	KF781295	KF781294	-
3	<i>Microphallus</i> sp. 1	KF738448	KF781296	KF738451	KF738454
4	<i>Euclinostomum heterostomum</i>	KF781297	-	-	-
5	<i>Clinostomoides brieni</i> (Manipur)	KF781298	KF781300	KF781299	-
6	<i>Clinostomoides brieni</i> (Meghalaya)	KF811007	KF811009	KF811008	-
7	<i>Clinostomum complanatum</i>	KF811010	KF811012	KF811011	-
8	<i>Polylekithum</i> sp.	KF738449	-	KF738452	-
9	<i>Posthodiplostomum</i> sp.	KF738447	KF738455	KF738450	KF738453
10	<i>Fasciolagigantica</i>	KC535542	-	KC602458	-
11	<i>Fasciolopsis buski</i>	DQ351842	-	KC602457	EF027094
12	<i>Opisthorchis noverca</i>	KC109193	-	KC295443	KC255247
13	<i>Eurytrema pancreaticum</i>	KC535542	-	KC602456	KC535544
14	<i>Gastrodiscoides hominis</i>	-	-	JX678246	-
15	<i>Hymenolepis diminuta</i>	-	-	-	KJ576905
16	<i>Moniezia</i> sp.	-	-	-	KJ576906

Sequences submitted by N. Saha *et al.* to the GenBank and accession numbers received during the period of the report:

- i. KF475767: Banerjee, B., Saha, N. *Clarias batrachus* argininosuccinate synthase (ASS1) mRNA, partial cds, 871 bp
- ii. KF447150: Banerjee, B., Saha, N. *Clarias batrachus* carbamoyl phosphate synthetase II mRNA, partial cds, 572 bp
- iii. KF444053: Banerjee, B. and Saha, N. *Clarias batrachus* type II arginase (ARG2) mRNA, partial cds, 683 bp
- iv. KC507186: Banerjee, B., Saha, N. *Clarias batrachus* glutamate dehydrogenase mRNA, partial cds, 1872 bp
- v. KC665945: Chakraborty, A., Banerjee, B. and Saha, N. *Clarias batrachus* glutathione S-transferase mRNA, partial cds, 535 bp



- vi. KC689797: Chakraborty, A., Banerjee, B., Saha, N. *Clarias batrachus* glutathione S-transferase theta-1 mRNA, partial cds, 523bp
  - vii. KF414736: Chakraborty, A., Banerjee, B., Saha, N. *Clarias batrachus* glutathione peroxidase 1 (GPx1) mRNA, partialcds, 452 bp
  - viii. KC736973:Chakraborty, A., Banerjee, B., Saha, N. *Clarias batrachus* glutathione peroxidase 3 (GPX3) mRNA, partialcds, 434 bp
  - ix. KF444052: Chakraborty, A., Banerjee, B., Saha, N. *Clarias batrachus* Cu-Zn superoxide dismutase (SODC) mRNA, partialcds, 426 bp
  - x. KF977829: Chakraborty, A., Banerjee, B., Saha, N. *Clarias batrachus* catalase (CAT) mRNA, partial cds, 629 bp
  - xi. AB905611: Banerjee, B., Chakraborty, A., Koner, D. and Saha, N. *Clarias batrachus* mitochondrial aspartateaminotransferase (AATm) mRNA, partial cds, 988 bp
  - xii. AB911122: Banerjee, B., Saha, N. and Sah K. *Clarias batrachus* alanine aminotransferasemRNA, completecds, 1610 bp
  - xiii. AB916539: Banerjee, B., Saha, N. *Clarias batrachus* elongation factor 1-alpha mRNA, complete cds, 2090 bp
  - xiv. KF444054: Lal, P., Banerjee, B. and Saha, N. *Heteropneustes fossilis* argininosuccinate synthetase (ASS1) mRNA, partial cds, 849 bp
  - xv. KF672794: Hangzo, H., Banerjee, B. and Saha, N. *Monopterusuchia* glutamine synthetase (GS02) mRNA, partial cds, 868 bp.
24. Areas of consultancy and income generated: *Nil*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *03*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. V. Tandon	Steering Committee for All India Coordinated Project on capacity building in Taxonomy (AICOPTAX)(MoE&F, GOI) Sectional President of Biological Sciences- The 83rd Annual Session of the National Academy of Sciences, India and Symposium on Space for Human Welfare, Goa University, Goa. 5-7 December, 2013 General Secretary (outstation) of National Academy of Sciences, India 2014- 2015
Prof. S. B. Prasad	National Executive Committee of Indian Association for Cancer Research (IACR), 2010-2011
Prof. N. Saha	PAC member of the DST-SERB Animal Science Group (2012-2014) Task Force member of DST-SERB for Empowerment and Equity for Excellence in Science Committee (2013-2015) UGC Major Research Project Evaluation Committee.
Prof. S. N. Ramanujam	External expert for School Board of School of Ecology and Environmental Sciences, Assam University.
Prof. A. S. Dixit	DST National planning Committee for the School in Chronobiology.



Name of Faculty	Name of Committee
	Indian Society for Chronobiology member of the team to prepare course content for Chronobiology for the UGC's e pathsala program for PG.
Dr. B. Keshan	Organizing committee of National Workshop on Hands-on Training on Techniques used in Biotechnological Research 28 February to 8 March, 2014 under DBT-Programme on Improvement of Infrastructure for Biotechnology Teaching, Training & Research in NE India.
Dr B. Das	Organizing committee of National Workshop on Hands-on Training on Techniques used in Biotechnological Research 28 February to 8 March, 2014 under DBT-Programme on Improvement of Infrastructure for Biotechnology Teaching, Training & Research in NE India.
<i>International Committees</i>	
-	-
<i>Editorial Board</i>	
Prof. V. Tandon	Springer journals: Proceedings of National Academy of Sciences India-Section B- Biological Sciences and Journal of Parasitic Diseases
Prof. B. B. P. Gupta	Proceedings of the Indian National Science Academy (Biological Sciences), New Delhi
Prof. A. K. Yadav	Journal of Parasitic Diseases (Springer-India) as the Executive Committee Member of the Indian Society for Parasitology.
Any Other (Please specify):	
Prof. V. Tandon (Reviewer of Journals)	Journals like Acta Tropica, African Journal of Microbial Research, BMC Complementary and Alternative Medicine, Central European Journal of Biology, Current Science, Eperimental Parasitology, Journal of Helminthology, Journal of Parasitic Diseases, Genetics and Evolution, National Academy of Sciences-Biological Sciences.

Table 3.100: Faculty of the Department of Zoology Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Refresher course and orientation programme are organized almost every year*

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	<i>Nil</i>
% of students doing projects in collaboration with other universities/ industry/ institute	<i>Nil</i>

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. V. Tandon		Professor Archana Sharma Memorial Lecture Award	(i) Lifetime Achievement Award, (ii) Acted as a member of Editorial Board of Springer journals, (iii) Acted as reviewer for a series of journals		(i) Nominated as member of Steering Committee for All India Coordinated Project on capacity building in Taxonomy (AICOP-TAX)(MoE&F, GOI), (ii) Elected as Sectional President: Biological Sciences- The 83rd Annual Session of the National Academy of Sciences, India and Symposium on Space for Human Welfare, Goa University, Goa, (iii) Elected as General Secretary (outstation) -National Academy of Sciences, India 2014-2015
Prof. B. K. Sharma			Prof. G. K. Kulkarni Gold Medal	Eminent Rotiferologist at the 13th International Rotifer Symposium, ROTIFERA XIII	Served as Visiting Professor, Department of Zoology & Fisheries, Vidyasagar University, Mindapore, West Bengal, January 02February, 2014.
Prof. B. B. P. Gupta	DAAD Fellowship				(i) Elected member of the Editorial Board, Proceedings of the Indian National Science Academy (Biological Sciences), New Delhi, and (ii) Appointed member of the Editorial Board, American Journal of Experimental Biology.





Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. S. B. Prasad		Elected Member of National Executive Committee of Indian Association for Cancer Research (IACR)			Gave a talk on Cancer: Causes, food habits and prevention at Atomic Minerals division Directorate for exploration and research, DAE, Shillong on August 7, 2013.
Prof. N. Saha				Appointed as PAC member in the DST-SERB Animal Science group and in the DST-SERB programme for Empowerment and Equity Opportunities for Excellence in Science.	Appointed as a (i) PAC member of the DST-SERB Animal Science Group (2012-2014), (ii) Task Force member of DST-SERB for Empowerment and Equity for Excellence in Science Committee (2013-2015), (iii) Member of the UGC Major Research Project Evaluation Committee.
Prof. S. N. Ramanujam					Appointed external expert for School Board of School of Ecology and Environmental Sciences, Assam University
Prof. A. K. Yadav			Editorial Board Member, Journal of Parasitic Diseases (Springer-India)		Served as an Editorial Board Member of the Journal of Parasitic Diseases (Springer)



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Prof. A. S. Dixit			(i) Member of DST National planning Committee for the School in Chronobiology, (ii) Executive committee member of the Indian Society for Chronobiology		(i) Elected as Vice-President of Indian society of Chronobiology, and (ii) Appointed member of the team to prepare course content for Chronobiology for the UGC's e pathsala program for PG
Dr. B. Keshan					Served as an organizing committee member, resource person in the National Workshop on Hands-on Training on Techniques used in Biotechnological Research under DBT-Programme on Improvement of Infrastructure for Biotechnology Teaching, Training & Research in NE India,
Dr. B. Das			DBT Overseas Associateship award		Served as an organizing committee member, resource person in the National Workshop on Hands-on Training on Techniques used in Biotechnological Research under DBT-Programme on Improvement of Infrastructure for Biotechnology Teaching, Training & Research in NE India,
<i>Doctoral/ Post Doctoral Fellows</i>					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
M. G. Choudhury	ISCA Young Scientists Award				
M. Kharbangar		Best Poster Presentation in the National Symposium on Biodiversity Status and Conservation Strategies with special reference to North-East India Manipur University, Imphal			
V. D. Akhotopam			Best oral presentation award at NSFP 2012, RGU, Itanagar		
Dr. P. K. Prasad	Swarna Jayanti Puraskar 2009 for best paper presentation in the 79th Annual meeting of National Academy of Sciences, Kolkatta				
A. K. Verma			Best poster presentation award at the National Seminar on Faunal Diversity and Ecophysiology		



Name	2009-10	2010-11	2011-12	2012-13	2013-14
L. M. Goswami	Prof. M. B. Mirza Gold Medal for best publications of Research work at the 21st National Congress of Parasitology				
Seydur Rahman			1 <sup>st</sup> prize for his poster presentation in International Conference of Entomology at Punjabi University, Patiala		
J. A. Shylla	Best Oral Presentation Award at the 21st National Congress of Parasitology				
Satinath Paul			2nd prize for poster presentation in International conference of Entomology		
C. Malsawmtluangi	Best Poster Award at the 21 <sup>st</sup> National Congress of Parasitology				
Holdingsone Kharbani			3 <sup>rd</sup> prize for his poster presentation in International Conference of Entomology at Punjabi University, Patiala		
Dr. G. Rosangkima	UGC Post Doctoral Research Fellowship				



Name	2009-10	2010-11	2011-12	2012-13	2013-14
M. M. Devi	Best Poster Presentation Award at the XXII <sup>nd</sup> Annual Conference of NESA.				
<i>Students</i>					
K. R. R. Mihsil	Dr. Shankar Dayal Sharma Gold Award				
K. R. R. Mihsil (2008) D. Syngkon (2009)	Late M. K. Khare Memorial Award				

Table 3.101: Awards/recognitions of Faculties of the Department of Zoology.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
<i>SERC School in Chronobiology</i> (June 6-20, 2009)	DST	-
Workshop on <i>Innovative Methodologies in Teaching of Life Sciences and Laboratory Course</i> (March 27, 2010)	-	-
National Workshop on <i>Hands-on Training on Techniques used in Biotechnological Research</i> in collaboration with the Department of Biotechnology and Bioinformatics. (February 28-March 12, 2011)	DBT-NER	-
Regional Seminar on <i>Biodiversity Assessment, Conservation and Value addition</i> under the School of Life Sciences, North-Eastern Hill University, Shillong, (April 22-23, 2010)	UGC	-
National Symposium on <i>Biodiversity Assessment, Conservation and Value Addition</i> under the School of Life Sciences, North-Eastern Hill University, Shillong, (March 17-19, 2011)	UGC	-
35 <sup>th</sup> Refresher course on <i>Recent Advances in Zoology</i> (November 28 - December 18, 2011).	UGC	-
Lecture Series on Biodiversity: Prospects and Concerns, NEHU. (March 14-15, 2012)	UPE	-
National Seminar on <i>Faunal Diversity and Ecophysiology</i> (March 28-29, 2012)	UGC	-



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>Recent Trends in Genomics &amp; Databases</i> (September 24 - 27, 2012)	North East parasite Information and Analysis Centre (NEPIAC)	-
Workshop on <i>Aligning Instructional Design to Students' Learning Style</i> (November 5-6, 2012)	National Academy of Sciences India (NASI) - NE Region Local Chapter, Shillong.	-
National Academies Workshop on Transferable Skills for Research Scholars of Life Sciences (April 9-10, 2012)	-	-
National Lecture Series for Northeast India (October 29-30, 2012)	INSA	-
National Lecture Series for Remote Areas (March 7-8, 2013)	INSA	-
Lecture Series on Current Perspectives in Zoological Sciences (March 20, 2013)	INSA	-
The 36 <sup>th</sup> Refresher Course in Zoology - <i>Recent Advances in Zoology</i> (November 26 - December 16, 2012)	UGC	-
DST-SERB School in Chronobiology (June 20 - July 3, 2012)	DST	-
Science Awareness Workshop for School and College Students (September 21, 2012)	DBT	-
National Seminar on Science for Shaping the Future of India: Focus on North-Eastern Region (September 25 - 26, 2012)	DBT	-
Two day <i>Lecture Series programme on Recent trends in Zoology</i> (March 7-8, 2013)	DSA phase II program	-
A two-day workshop on <i>Defining the Role of Women Scientists and Teachers in Promotion and Application of Science and Technology- Northeast India Perspective</i> organized by the National Academy of Sciences, India (NASI) North East Region Local Chapter in collaboration with Lady Keane College, Shillong on 8-9 May 2013.	DST	-
Science Awareness/Communication Programme- St Edmund's School, May 10, 2013 under the aegis of National Academy of Sciences India (NASI) - NE Region Local Chapter, Shillong.	NASI	-
Science Academies' Lecture Workshop on <i>Frontiers in Life Sciences</i> (May 21-24, 2013)	INSA	-
Workshop on <i>Next Generation Sequencing: Bioinformatics and Data Analysis</i> (June 17-21, 2013)	DBT-sponsored NER Twinning project, Bioinformatics Centre, NEHU, Shillong.	-
<i>2<sup>nd</sup> Colloquium of DBT's Overseas Associates of NER</i> (December 9, 2013).	DBT, GoI.	-



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
National Workshop on <i>Hands-on Training on Techniques used in Biotechnological Research</i> (February 28 - March 8, 2014)	DBT-Programme on Improvement of Infrastructure for Biotechnology Teaching, Training & Research in NE India	-
<i>Current Perspectives in Zoological Sciences</i> (March 28, 2014)	DSA-Phase II (UGC-SAP) Programme	-
<i>National</i>		
<i>Indo-Taiwan Joint Workshop on Bamboo Flowering and Rodent Control</i> in continuation of the bilateral programme of 'Indo-Taiwan Joint Collaboration' in Science and Technology (November 11-13, 2010)	DST, India & NSC, Taiwan	-
The 13 <sup>th</sup> International Rotifer Symposium, <b>ROTIFERA XIII</b> (November 18-24, 2011).	-	-

31. Code of ethics for research followed by the Department/ Centre: *There is a departmental animal ethics committee. Each research proposal is examined and approved by this committee before the start of the research work.*
32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
M.Sc.	181	13	17	100	89
Ph.D.	42	2	5	-	-
2010-11					
M.Sc.	-	13	17	79	93
Ph.D.	46	7	10	-	-
2011-12					
M.Sc.	152	12	18	77	82
Ph.D.	-	8	4	-	-
2012-13					
M.Sc.	210	6	25	85	88
Ph.D.	49	6	3	-	-
2013-14					
M.Sc.	139	7	23	100	100
Ph.D.	50	5	8	-	-

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
M.Sc.	70	-	30	-
Ph.D.	-	-	100	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-11				
M.Sc.	64	-	36	-
Ph.D.	59	-	41	-
2011-12				
M.Sc.	57	-	43	-
Ph.D.	50	-	50	-
2012-13				
M.Sc.	58	-	42	-
Ph.D.	67	-	33	-
2013-14				
M.Sc.	57	-	43	-
Ph.D.	77	-	23	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:  
(a) Research Scholars:

CSIR-UGC NET	GATE	SLET	DBT-JRF	Total
6	5	3	1	10

- (b) Number of Students (year-wise) who qualified in NET in M. Sc. Program:

2009	2010	2011	2012	2013	Total
3	3	1	0	2	9

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	NA
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	2
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	8
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	5	4	8	1
from other universities within the State	-	-	-	-





Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
from universities from other States	10	11	7	1
from universities outside the country	-	-	0	1

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *All were Ph. D. at the time of their appointments.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	One departmental Library
<i>Internet facilities for staff and students</i>	Internet facilities for staff and students available
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	15

39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University		From Other Universities	
2009-10	Doctoral students	13	Doctoral students	10
	Post-doctoral students	1	Post-doctoral students	-
	Research Associates	-	Research Associates	-
2010-11	Doctoral students	-	Doctoral students	7
	Post-doctoral students	-	Post-doctoral students	-
	Research Associates	-	Research Associates	-
2011-12	Doctoral students	7	Doctoral students	10
	Post-doctoral students	-	Post-doctoral students	-
	Research Associates	-	Research Associates	-
2012-13	Doctoral students	5	Doctoral students	7
	Post-doctoral students	-	Post-doctoral students	-
	Research Associates	3	Research Associates	-
2013-14	Doctoral students	4	Doctoral students	6
	Post-doctoral students	1	Post-doctoral students	-
	Research Associates	1	Research Associates	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	1	1	1	2

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *No*

42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?



*By implementing the suggestions after approval from respective committees.*

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*By implementing the suggestions after approval from respective committees.*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*By implementing the suggestions after approval from respective committees.*

43. List the distinguished alumni of the department (maximum 10):

- i). Prof. R. N. K. Hooroo,
- ii). Prof. N. Saha,
- iii). Prof. S. N. Ramanujam,
- iv). Prof. A. K. Yadav,
- v). Prof. B. Roy,
- vi). Dr. B. Das,
- vii). Dr. S. Choudhury,
- viii). Dr. S. R. Hajong,
- ix). Dr. Z. Y. Kharbuli, and
- x). Dr. J. M. Khonsgni

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

*The Department organises weekly M. Sc. Seminar. In addition, special lectures by prominent Scientists /faculty of National and International repute are organised at regular intervals to share their expertise with the students. The department is actively engaged in organising workshops / seminar of national and International levels.*

45. List the teaching methods adopted by the faculty for different programmes: *Class room lectures, demonstrations, practicals using power point presentations and overhead projectors.*

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*The department conducts three mid semester internal assessment tests together with an end semester examination for M. Sc. Students to monitor learning outcomes and to ensure that programme objectives are constantly met.*

47. Highlight the participation of students and faculty in extension activities::All the M.Sc. students, research Scholars and Faculty members participate in M.Sc. student seminar and also seminars given by Research scholars and also Faculty members.

*The faculty of the department are regularly visiting other institutions/research centres in the country and abroad to share their expertise by delivering lectures/demonstrating experimental technique. The M. Sc. Students are taken for a study tour to selected Universities/ Institutes in different part of the country.*



48. Give details of “beyond syllabus scholarly activities” of the department:

*The Department organises National and International levels Seminars, Workshops, Conferences, Invited lectures and Hand on training programs regularly.*

*All the faculty of the department are actively engaged in research related to most recent and emerging fields/ branches in Zoology which is evidenced by their publications in the reputed National and International journals.*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

*All the faculty of the department are engaged in number of research projects sanctioned by reputed funding agencies like DST/DBT/ UGC/MoEF etc. of the Govt. of India and generating new knowledge as evidenced by number of publications and patents. Further, the faculty members regularly visit abroad to some research Institutes and also various National laboratories to learn various research techniques etc.*

51. Future plans of the department: *To develop the thrust area of research "Faunal Diversity and Ecophysiology" as a centre of excellence.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Qualified and competent faculty, advanced laboratories, patents and publications, rich library and good infrastructure with computer and internet/Wi-Fi facilities

**Weaknesses:**

- Proper infrastructural facilities are lacking

**Opportunities:**

- To be recognised as an Advanced and leading centre in Zoology in the country.

**Challenges:**

-



### 3.28.1 Year-wise Publication

#### National

2009-2010:

- 1). Malsawmtluangi, C. and V. Tandon, 2009. Helminth parasite spectrum in rodent hosts from bamboo growing areas of Mizoram, Northeast India. *Journal of Parasitic Diseases*, DOI 10.1007/s12639-009-0004-5.
  - 2). Sharma, B.K. 2009. Diversity of Rotifers (Rotifera: Eurotatoria) of Loktak lake, North- Eastern India. *Tropical Ecology* , 50: 277-285.
  - 3). Sharma, B.K. 2009. Phytoplankton communities of Loktak lake (A Ramsar site), Manipur (N. E. India): composition, abundance and ecology. *Journal of Threatened Taxa*, 1: 401-410.
  - 4). Sharma, B.K. 2009. Richness, Abundance and Ecology of Rotifera of Loktak Lake (A Ramsarsite), Manipur, Northeastern India. *Ecological Environment and Conservation*, 15: 299-306.
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- 114). Das, B., Tandon, V., Saxena, J. K., Joshi, S., Singh, A. R. (2013). Purification and characterization of phosphoenolpyruvate carboxykinase from *Raillietinaechinobothrida*, a cestode parasite of the domestic fowl.*Parasitology*140:136-146.



## School of Physical Sciences

### 3.29 Department of Chemistry

1. Name of Department : CHEMISTRY
2. Year of establishment : 1976
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Physical Sciences.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.Sc. Chemistry and Ph.D.
5. Interdisciplinary courses and departments involved : Students from other departments offers open courses in the department Biochemistry
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. : Few students from other departments offer open choice course in our department
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	5	5
Associate Professor	7	5
Assistant Professor	8	8

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. K. Ismail	M.Sc., Ph.D.	Professor	Physical Chemistry	37	4



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. B. Myrboh	M.Sc., Ph.D.	Professor	Organic Chemistry	35	4
Dr. R. H. D. Lyngdoh	M.Sc., Ph.D.	Professor	Organic Chemistry	20	4
Dr. R. A. Lal	M.Sc., Ph.D.	Professor	Inorganic Chemistry	15	2
Dr. K. Mohan Rao	M.Sc., Ph.D.	Professor	Inorganic Chemistry	18	3
Dr. A. K. Chandra	M.Sc., Ph.D.	Professor	Physical Chemistry	13	1
Dr. G. Bez	M.Sc., Ph.D.	Professor	Organic Chemistry	9	4
Dr. H. K. Askari	M.Sc., Ph.D.	Associate Professor	Physical Chemistry	30	2
Dr. T. S. B. Baul	M.Sc., Ph.D.	Associate Professor	Inorganic Chemistry	14	1
Dr. M. K. Sahoo	M.Sc., Ph.D.	Associate Professor	Organic Chemistry	19	1
Dr. S. Mitra	M.Sc., Ph.D.	Associate Professor	Physical Chemistry	13	2
Dr. Marappan Velusamy	M.Sc., Ph.D.	Associate Professor	Inorganic Chemistry	-	
Dr. R. L. Nongkhlaw	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	12	3
Dr. E. K. Rymmai		Assistant Professor	Inorganic Chemistry	10	-
Dr. D. P. S. Negi	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	12	2
Dr. Biplab Sarkar	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	7	-
Dr. A. K. Pal	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	5	1
Dr. S. Khatua	M.Sc., Ph.D.	Assistant Professor	Physical Chemistry	2	-

Table 3.102: Faculty Profile of the Department of Chemistry.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*
14. Programme-wise Student Teacher Ratio:
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	1	-



Designation	Sanctioned	Filled
UDC/ STA	5 (STA)	3
LDC/ TA	1 (LDC), 4 (TA)	1 (LDC), 4 (TA)
MTS/ Lab Asstt.	1 (MTS), 5 (Lab Asstt.)	1 (MTS), 5 (Lab Asstt.)
Stenographer	1	1
Storekeeper	1	1
Electrician	1	1

16. Research thrust areas recognized by funding agencies: *Organometallic Chemistry, Coordination Chemistry, Computational Chemistry, Theoretical Reaction Kinetics, Synthetic Organic Chemistry, Heterocyclic Chemistry, Chemistry of Surfactants, Dynamics of Excited States, Photocatalysis, Natural Products Chemistry.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
“Studies on Fluoride Contamination of Drinking Water in the Region and Development of a Cost Effective Method for Defluoridation Using Indigenous Materials	Prof. K. Ismail	DRDO	7.535
“Studies on the synthetic utility of selenium dioxide: development of new methodologies for carbon-carbon coupling in organic synthesis and related work”	Prof. B. Myrboh	UGC	11.168
“Studies on the Synthetic Utility of Selenium Compounds: Development of New Methodologies for C-C, C-X and C-Se Coupling in Organic Synthesis and Preparation of Novel Organo-selenium Intermediates	Prof. B. Myrboh	CSIR	11.25
“Synthetic Studies of Selenium dioxide (SeO <sub>2</sub> ), Selenous acid (H <sub>2</sub> SeO <sub>3</sub> ) and Selenic Acid (H <sub>2</sub> SeO <sub>4</sub> ) in Organic Reactions: Synthesis of important Organo-Selenium Intermediates and attempt at Asymmetric Synthesis of a-substituted Propiophenones and related Reactions”	Prof. B. Myrboh	DSTR-SERB	49.06
“Computational Elucidations On Codon-Anticodon Pairing and the Genetic Code	Prof. R. H. Duncan Lyngdoh	CSIR	2.32936



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
“New Synthetic Aspects and Catalytic Study of Late Transition Metal Complexes Bearing Homo and Heteroscorpionate and N-Heterocyclic Carbenes as Ligands”	Prof. K. M. Rao	UGC	6.06
“Synthesis, reactivity and structural studies of platinum group metal complexes containing n <sup>5</sup> and n <sup>6</sup> -Cyclichydro-carbons and multidentate nitrogen bases”	Prof. K. M. Rao	CSIR	7.50
Theoretical studies on the kinetics, thermochemistry and reactivity of some selected radical reaction of atmospheric importance	Prof. A. K. Chandra	CSIR	2.5
Spectrofluorimetric Investigation on Model Nitrogen Containing Heterocyclic drugs and their Interaction with DNA Nucleotides	Dr. S. Mitra	CSIR	13.5
“Comparative studies on degradation and mineralization of some azo dyes by radiolysis and photolysis”	Dr. M. K. Sahoo	BRNS	27
“UV light and transition metal-catalyzed degradation and mineralization studies of some azo dyes by hydrogen peroxide”	Dr. M. K. Sahoo	UGC	
Rational design, synthetic strategies for developing organometallic anticancer compounds based on organotin and organoiron	Dr. T. S. B. Baul	DBT	52
Synthesis and Characterization of Organotitanium(IV) carboxylates and Evaluation of their Antitumour Properties	Dr. T. S. B. Baul	UGC	15.303
Synthetic and structural studies projected towards self-assemblies of extended Schiff base and reduced Schiff base amino acetate skeletons incorporating organotin(IV) moieties and evaluation of their cytotoxic potential	Dr. T. S. B. Baul	CSIR	20.9
Traceless synthesis of coumarin, pyrrole and polyhydroquinoline annulated benzodiazepine, benzazepine and 5,11-dihydro-benzo[e]pyrido[3,2-b][1,4]diazepine-6-one derivatives	Dr. Amarat Kumar Pal	DST	15.12





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
“Development of “lab-on-a-molecule” chemosensor for cation and anion sensing”	Dr. S. Khatua	DAE-BRNS	27.6
“Study of redox potential of novel 1,2,4-trioxane nanoparticles and assessment of their compatibility to radiotherapy”	Prof. G. Bez	DAE-BRNS	27.44276
<b>International</b>			
-	-	-	-

Table 3.103: Number of faculty with ongoing projects in the Department of Chemistry.

18. Inter-institutional collaborative projects and grants received:

a) All India collaboration

- i. Prof. K. Ismail has academic collaborations with (i) Dr. V. K. Aswal, Solid State Physics Division, Bhabha Atomic Research Center, Mumbai (ii) Dr. P. A. Hassan, Chemistry Division, Bhabha Atomic Research Center, Mumbai (iii) Dr. S. Mahiuddin, Materials Science Division, CSIR-North East Institute of Science and Technology, Jorhat (iv) Dr. R. Biswas, Chemical, Biological and Macromolecular Sciences, S. N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata.
- ii. Dr. T. S. Basu Baul has accommodation collaboration with Prof. P. Singh, Guru Nanak Dev University, Amritsar, Dr. S. K. Manna, Centre for DNA Fingerprinting and Diagnostics, Hyderabad.
- iii. Dr. M. K. Sahoo has academic collaborations with Prof. R.N. Sharan, Dept. of Biochemistry, NEHU, Shillong; Dr. D. B. Naik, Radiation and Photochemistry Division, BARC, Trombay, Mumbai; Dr. C. Srinivas, Process Development Division, BARC, Trombay, Mumbai.
- iv. Dr. S. Mitra has academic collaborations with Prof. K. Aguan, Department of Biotechnology & Bioinformatics, NEHU, Shillong; Prof. D. Kumar, BITS, Pilani; Dr. A. Bhasikuttan, BARC, Mumbai.
- v. Dr. A. K. Pal has academic collaborations with Dr. T. Tripathi, Department of Bio-Chemistry; Dr. A. Bhattacharya, Department of Biotechnology & Bioinformatics; Dr. S. Mitra, Department of Chemistry; Prof K. Ismail, Department of Chemistry; Prof K. Aguan, Department of Biotechnology & Bioinformatics, NEHU, Shillong.

b) International

- i. Prof. R. A. Lal has academic collaborations with Dr. Arvind Kumar, Department of Chemistry, Faculty of Science and Agriculture, the University of West Indies, St. Augustine, Trinidad and Tobago.
- ii. Prof. K. M. Rao has academic collaborations with (i) Prof. Yuriy Mozharivskyj, Department of Chemistry and Chemical Biology, McMaster University, Canada (ii) Prof. Roger M Phillips, Department of Cancer Pharmacology, Institute of Cancer



- Therapeutics, University of Bradford, Bradford, UK (iii) Prof. Dr. Habil Werner Kaminsky, Department of Chemistry, University of Washington, Seattle, WA 98195, USA.
- iii. Prof. A. K. Chandra has academic collaboration with Quantum Chemistry Group, University of Leuven, Belgium.
- iv. Dr. T. S. Basu Baul has academic collaborations with Prof. A. Linden, University of Zurich, Switzerland; Prof. H. K. Fun, University of Malaya, Malaysia; Prof. G. Eng, University of the District of Columbia, USA; Prof. E. R. T. Tiekink, Universiti Sains Malaysia, Malaysia, Prof. U. Englert, Institut für Anorganische Chemie, RWTH Aachen University, Germany, Prof. M. Fátima C. Guedes da Silva, University of Lisbon, Portugal, Prof. A. Duthie, School of Life & Environmental Science, Deakin University, Australia,
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
- (a) UGC-CAS: ₹ 150.00/- Lakh, and
- (b) DST-FIST: ₹ 141.42/- Lakh
20. Research facility / centre with
- State Recognition: *Nil*.
- National Recognition: *The department has been selected for the UGC SAP CAS-I Programme.*
- International Recognition: *Nil*.
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
<b>Number of papers published in peer reviewed journals (national/ international)</b>	18	209	227
<b>Monographs</b>	-	-	-
<b>Chapters in Books/Papers in conference proceedings</b>	-	-	-
<b>Edited Books</b>	1	-	-
<b>Books with ISBN with details of Publishers</b>	-	-	-
<b>Number listed in International Database</b>			
<b>Citation Index - range / average</b>	-	-	-
<b>SNIP</b>	-	-	-
<b>SJR</b>	-	-	-
<b>Impact Factor - range / average</b>	-	-	-
<b>h-index</b>	-	-	-

Table 3.104: Detailed Publications of the Department of Chemistry.

23. Details of patents and income generated: *Patents filed:*

(i)	Synthesis of bis(di-2-(E)-(4-hydroxy-3-[(E)-(p-tolylimino)methyl]phenyl)diazenyl benzoato)tetra-n- butyldistannoxane: An organotin(IV) compound having antitumour and anticancer activity. Applicant: Dr. T. S. Basu Baul	Patent Application No. 654/KOL/2012 dated 11.06.2012. Provisional specifications filed.	Funded by TIFAC, DST, New Delhi
(ii)	Diethyldichloro (N-(2-pyridylmethylene)-4-toluidinetin(IV): A novel diorganotin compound having anti-tumour and anti-cancer activity Applicant: Dr. T. S. Basu Baul	Indian Patent: Application No. 1838/CAL/98 dt. 16/10/98.	Funded by TIFAC, DST, New Delhi

24. Areas of consultancy and income generated: *Nil.*25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil.*

## 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Board</i>	
Prof. R.H.D. Lyngdoh	Chairman, Annual Report NEHU
<i>Any other (Please specify)</i>	
-	-

Table 3.105: Faculty of the Department of Chemistry Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Nil.*

## 28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	25%

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
“Organometallic Chemistry & Organic Synthesis: New perspectives”	NEC, CSIR, NEHU	10
“Current Trends in Computational Chemistry”	UGC, CSIR, DST and NEHU	5
“Radiation and Photochemistry”	Indian Society of Radiation and Photochemical Sciences	4
“Sustainable Chemistry: Frontiers & Challenges”	DAE, CSIR, NEHU, NEC	7
“North East Regional Seminar on Trends in Colloid and Interface Science (NERSTCIS- 2014)”	CSIR, UGC, NEHU	7
<i>International</i>		
Recent Advances in Chemistry (REACH-2015)	DST,CSIR, NEHU	15

31. Code of ethics for research followed by the Department/ Centre: *Nil*.

32. Student profile course-wise:

Name and Batch of the Course	Applica- tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MSc PhD	146	18	18		
2010-11 MSc PhD	126	26	10		
2011-12 MSc PhD	97	20	17		
2012-13 MSc PhD	197	19	17		
2013-14 MSc PhD	230	22	14		

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MSc PhD	80		20	



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-11 MSc PhD	94		6	
2011-12 MSc PhD	97		3	2
2012-13 MSc PhD	75		25	
2013-14 MSc PhD	83		7	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *One student has cleared the Civil Service Examination and nearly 10 students qualified for the NET Examination.*
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	
PG to Ph.D.	50%
Ph.D. to Post Doctoral	5%
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	5%
<input type="checkbox"/> Others	45%
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university		20%	20%	
from other universities within the State		Nil	Nil	
from universities from other States		70%	70%	
from universities outside the country			5%	

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Central library facility is availed by students and faculty
<i>Internet facilities for staff and students</i>	24-hours Internet facility has been provided to staff and students



Total number of class rooms	2
Class rooms with ICT facility	2
Students' laboratories	Well equipped laboratory for practical and computer course is provided
Research laboratories	Each faculty member has been allotted independent research laboratory

## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	5	5
2010-11	6	7
2011-12	7	4
2012-13	14	3
2013-14	8	6

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
22	24	23	22	23

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Nil.*

## 42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Group discussion.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Yes.*

## 43. List the distinguished alumni of the department (maximum 10):

- i. Prof. B. Myrboh,
- ii. Prof. R. H. Duncan Lyngdoh,
- iii. Dr. A. Lemtur,
- iv. Dr. R.L. Nongkhlaw,
- v. Dr. E. M.K. Rymmai,
- vi. Prof. Manish Bhattacharjee,
- vii. Prof. J. B. Borooah,
- viii. Dr. S. Appa Rao
- ix. Dr. Felix Mathew
- x. Dr. D. Venkateswarlu



44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Every year the department holds national seminar/conference where research scholars and M.Sc. students participate actively and enrich their knowledge in recent trends of Chemistry.*
45. List the teaching methods adopted by the faculty for different programmes: *Class-room teaching, Sessional evaluation, practical examination and viva-voce.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Through Interaction, Class-room teaching, Sessional evaluation, practical examination and viva-voce.*
47. Highlight the participation of students and faculty in extension activities:
48. Give details of “beyond syllabus scholarly activities” of the department: *The students are taken for Study Tour to reputed Institutes and laboratories where they get exposure to new things.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Nil*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Nil*
51. Future plans of the department: introduce new methods of teaching and conducting practicals and sending students to reputed institutes in India for project work. *Nil.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
  - Strengths:**
    - Reputed and devoted highly qualified faculty,
    - Basic infrastructure,
    - Strong cooperation between students, Research Scholars, supporting staff and faculty.
  - Weaknesses:**
    - Not able to attract large amount of funds to provide excellent infrastructure and computer aided education.
    - Due to lack of funds unable to invite visiting professors and technical experts.
  - Opportunities:**
    -
  - Challenges:**
    - How to attract highly motivated students.



### 3.30 Department of Mathematics

1. Name of Department : MATHEMATICS
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Physical Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : P.G., M. Phil., Ph. D.
5. Interdisciplinary courses and departments involved : Introduction to Probability Theory and Distribution, Fortran Programming and Graph Theory, Mathematics and Statistics
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Not applicable
7. Details of programmes / courses discontinued, if any, with reasons : Not applicable
8. Annual/ Semester/Choice Based Credit System : Semester, CBCS
9. Participation of the department in the courses offered by other departments. : Not Applicable
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	4	4
Associate Professor	6	2
Assistant Professor	6	6

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
M. Ansari	Ph. D.	Professor	Theory of Relativity & Cosmology	32	3





Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
H. K. Mukerjee	D.Phil.	Professor	Algebraic & Differential Topology	33	2
K. K. Singh	Ph.D.	Professor	Fluid Mechanics	32	2
A. K. Das	Ph.D.	Professor	Group Theory	21	2
P. K. Saikia	Ph.D.	Associate Professor	Number Theory	41	-
A. M. Buhphang	Ph.D.	Assistant Professor	Ring Theory	13	2
A. T. Singh	Ph.D.	Assistant Professor	Algebraic & Differential Topology	12	-
Sanghita Dutta	Ph.D.	Assistant Professor	Topology	12	-
John Paul Jala Kharbhih	M.Sc.	Assistant Professor	Function rings	6	-
Phanjoubam Chinglensana	M.Sc.	Assistant Professor	Algebraic Topology	3	-
S. S. Khare (Retd)	D.Phil.	Professor	Algebraic & differential Topology	37	-
M. B. Rege (Retd)	Ph. D.	Professor	Ring Theory	34	1
C. R. Mondal (Retd)	Ph.D.	Associate Professor	Fluid Mechanics	22	-

Table 3.106: Faculty Profile of the Department of Mathematics.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

(a) Long Term (NBHM Visiting Professors) :

- i. Prof. M. B. Rege,
- ii. Prof. S. S. Khare

(b) Short Term :

- i. Prof. A. R. Shastri,
- ii. Prof. P. Shastri,
- iii. Prof. S. Chakravarty,
- iv. Prof. D. Khurana,
- v. Prof. K.B. Sinha,
- vi. Prof. Siddhartha Gadgil,
- vii. Prof. S.G. Dani,
- viii. Prof. S. Ghose,
- ix. Dr. Gautami Bhowmik,



- x. Dr. Neeraj Kayal,
- xi. Prof. B. S. Kiranagi,
- xii. Prof. Indranath Sengupta,
- xiii. Prof. Mrinal Das,
- xiv. Prof. Tariq Rizvi,
- xv. Prof. Cosmin Roman,
- xvi. Prof. Ahmad Moussavi,
- xvii. Prof. Dolores Herbera,
- xviii. Prof. Helen Saikia,
- xix. Prof. Murtaza Quadri,
- xx. Dr. Rajsekhar Bhattacharya,
- xxi. Dr. Vinay Wagh,
- xxii. Dr. P.A.S. SreeKrishna,
- xxiii. Dr. K.V.Srikanth,
- xxiv. Prof. B. R. Sharma,
- xxv. Prof. Kuntala Patra,
- xxvi. Prof. A. B. Raha,
- xxvii. Prof. N. D. Baruah,
- xxviii. Prof. K. C. Choudhury,
- xxix. Prof. D. C. Dalal,
- xxx. Prof. R. B. Bapat,
- xxxi. Dr. Manoj Kumar Yadav,
- xxxii. Prof. Amiya Mukherjee,
- xxxiii. Prof. P.A.S.Sreekrishna,
- xxxiv. Prof. Akhil Ranjan,
- xxxv. Prof. P. Jothilingam,
- xxxvi. Prof. S.K. Roushon, and
- xxxvii. Prof. Sudip Acharya

13. Percentage of classes taken by temporary faculty-programme- wise information:
- (a) Long term visitors have taken one course each in each semester of their stay.
  - (b) Short term visitors have given a series of lectures during their stay.
14. Programme-wise Student Teacher Ratio: 72:11
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	2	2
LDC/ TA	1	1
GO	1	1
MTS/ Lab Asstt.	1	1



16. Research thrust areas recognized by major funding agencies:
- Algebra,
  - Algebraic and Differential Topology,
  - Number Theory, and
  - Dynamical Systems.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
	Prof. H.K. Mukerjee	D.A.E (NBHM), 2007-10.	7.753
<i>International</i>			
-	-	-	-

Table 3.107: Number of faculty with ongoing projects in the Department of Mathematics.

18. Inter-institutional collaborative projects and grants received: a) All India collaboration b) International:
- NEHU - CIMPA, France; letter of intent signed.
  - CIMPA Research School was organized in NEHU in Nov. 2013. - CIMPA funded Euro 8000/- for the school
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
- DST-FIST (2008-13) - Sanctioned amount ₹ 31.9 lacs, Amount received ₹ 24.4 lacs
  - UGC-SAP (2009-15) - Sanctioned amount ₹ 44 lacs, Amount received ₹ 24,84,400/-
  - NBHM Library Grants - Sanctioned amount ₹ 10 lacs (2010-11), ₹ 11.25 lacs (2012-13), ₹ 12.6 lacs (2013-14), ₹ 14 lacs (2014-15)
20. Research facility / center with Recognition: State / National / International: *Not applicable*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Not applicable*
22. Publications: (Detailed List of publications to be provided to the visiting team): Please refer to publication details at (Section 3.30.1, pp. 656).

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	20	40	60
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	-	-	-



	National	International	Total
Edited Books	P.K.Saikia: Linear Algebra (Revised second edition), ISBN: 978-93-325-2214-5, Dorling Kindersley (India) under license from Pearson Education, 2014.		
Books with ISBN with details of	K.K.Singh: Textbook of Dynamics publishers ISBN: 978-81-203-4190-6 PHI Learning Private Limited, New Delhi, 2011. P.K.Saikia: Linear Algebra ISBN: 978-81-317-2565-8 Dorling Kindersley (India) under license from Pearson Education, 2009.		
<b>Number listed in International Database</b>			
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	0- 2 (range)		
h-index	-		

Table 3.108: Detailed Publications of the Department of Mathematics.

23. Details of patents and income generated : *Not applicable*
24. Areas of consultancy and income generated : *Not applicable*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *HRI Allahabad, IIT Bombay*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
Prof. H. K. Mukerjee	Sub Committee of NBHM for Library Grants to Universities in the Eastern Region

Table 3.109: Faculty of the Department of Mathematics Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies : *Seminars and Interactions*
28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	<i>Not Applicable</i>
% of students doing projects in collaboration with other universities / industry / institute	<i>Not Applicable</i>



29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
UGC-SAP Workshop 2010	UGC ₹ 60,000/-	
AIS-Algebraic Topology 2011	NBHM ₹ 8 Lacs	
Mathematical Olympiad Orientation Programme 2014	NBHM ₹ 5 Lacs	
UGC-SAP Workshop 2014	UGC ₹ 60,000/-	
<i>international</i>		
International Satellite Conference on Rings and Near-rings (ISCRNR 2010)	NBHM ₹ 3,70,000/-	
ATMW Surgery Theory 2013	NBHM ₹ 5,59,605/- IUSSTF ₹ 1,14,843/- NCM ₹ 8.94 lacs	
CIMPA Research School 2013	CIMPA € 8000 IMU-CDE € 1150 NBHM ₹ 7 lacs ICTP € 3000 NEHU ₹ 75,000/-	

31. Code of ethics for research followed by the Department/ Centre : *As per University norms*

32. Student profile course-wise:

Name and Batch of the Course	Applica- tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
M.Sc.	55	27	9	4	5
M.Phil.	-	-	-	-	-
Ph.D.	-	-	-	-	-
2010-11					
M.Sc.	65	28	8	10	7
M.Phil.	-	-	-	-	-
Ph.D.	-	-	-	-	-



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2011-12					
M.Sc.	69	25	11	16	5
M.Phil.	-	-	-	-	-
Ph.D.	-	-	-	-	-
2012-13					
M.Sc.	75	22	14	11	7
M.Phil.	-	-	-	-	-
Ph.D.	-	-	-	-	-
2013-14					
M.Sc.	82	20	16	10	3
M.Phil.	-	-	-	-	-
Ph.D.	-	-	-	-	-

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
M.Sc.	75	-	25	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-
2010-11				
M.Sc.	47	-	52	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-
2011-12				
M.Sc.	55	-	45	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-
2012-13				
M.Sc.	52	-	47	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-
2013-14				
M.Sc.	88	-	11	-
M.Phil.	-	-	-	-
Ph.D.	-	-	-	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

NET - 6



## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	5
PG/ M.Phil. to Ph.D.	10
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	85
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	56	45	45	-
From other universities within the State	-	-	-	-
From universities from other States	63	54	45	-
From universities outside the country	-	-	9	-

## 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 1

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	11,000 Books (approx.), 29 Journals from NBHM grant and 19 Journals from University grant.
<i>Internet facilities for staff and students</i>	All
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	1

## 39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	A. Tiken Singh, Shailanstar Khongsit, N. Jiban Singh, Jibitesh Dutta, Kh. Herachandra Singh.	Rajat Kanti Nath, Shekhar Jyoti.
2010-11	A. Tiken Singh, N. Jiban Singh, Jibitesh Dutta, Kh. Herachandra Singh.	Shekhar Jyoti, Bineeta Nath, Sarujinee Gogoi.
2011-12	A. Tiken Singh, N. Jiban Singh, Kh. Herachandra Singh, John Paul Kharbhiih, Deiborlang Nongsiang, Tikaram Subedi, Sainkupar Mn. Mawiong.	Shekhar Jyoti, Bineeta Nath, Sarujinee Gogoi, Ali Asgar, Md. Azizur Rahman, Bharat Borah.
2012-13	N. Jiban Singh, Kh. Herachandra Singh, John Paul Kharbhiih, Deiborlang Nongsiang, Tikaram Subedi, Sainkupar Mn. Mawiong, Amplify Sawkmie, Chanlemki Lanong, A. Lalchhuangliana.	Shekhar Jyoti, Bineeta Nath, Sarujinee Gogoi, Ali Asgar, Md. Azizur Rahman, Bharat Borah, Pinkimani Goswami.



Year	From the host University	From Other Universities
2013-14	Kh. Herachandra Singh, John Paul Kharbhih, Deiborlang Nongsiang, Tikaram Subedi, Sainkumar Mn. Mawiong, Amplify Sawkmie, Chanlemki Lanong, A. Lalchhuangliana, Raplang Nongsiej, H. Zonunmawia.	Shekhar Jyoti, Bineeta Nath, Sarujinee Gogoi, Ali Asgar, Md. Azizur Rahman, Bharat Borah, Pinkimani Goswami, Binod Chetry.

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Not Applicable*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Not Applicable*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Not Applicable*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Not Applicable*

43. List the distinguished alumni of the department (maximum 10):

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *AIS, ATMW, CIMPA Research School and Lectures by Visiting Professors, etc.*

45. List the teaching methods adopted by the faculty for different programmes: *Classroom teaching, tutorials and hands on experiment.*

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored: *Continuous assessment of the students and review of their results.*

47. Highlight the participation of students and faculty in extension activities: *Extension lectures in schools and colleges by faculty and participation in study tour.*

48. Give details of “beyond syllabus scholarly activities” of the department: *Biweekly seminars and Mathematical Olympiad training, etc.*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Not applicable*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Publication of research papers and book.*





51. Future plans of the department: Please refer to "year-wise plan of work" at (Section 3.30.2, pp. 660) for Academic, and at (Section 3.30.3, pp. 665) for Infrastructure

**Other Initiatives at the departmental or individual level to improve teaching and research - a short note:**

- (a) Periodic Colloquia in wide range of topics in the department.
- (b) Regular research seminar by all the research groups in the department.
- (c) Problem sessions for students in various subjects.
- (d) Regular Mathematical Olympiad Orientation Programmes.
- (e) An understanding with IIT Guwahati have been developed in which quite a number of visitors from both the institutions visit the mathematics departments of the institutions.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Quality teaching
- Computer labs facility
- Active research activities
- Regular seminars
- Extension activities including organizing workshops and conferences

**Weaknesses:**

- Faculty strength is less
- Infrastructure is not up to the mark
- Weakness in office management and maintenance of records
- We do not have adequate academic exchange programme due to lack of funds.

**Opportunities:**

- Start talent search and nurture programmes in mathematics
- To develop centre for holding visiting programmes, workshops, research scholars throughout the year with world class infrastructure so that the students, research scholars and faculty from this region can benefit from these programmes.

**Challenges:**

- Improving faculty strength
- Improving infrastructure
- Improving office management and maintenance of records.
- Strengthening academic exchange programme.



### 3.30.1 List of publications

List of publications during 2009 – 14:

- A.1 K. K. Singh: A self-similar flow behind a magnetogasdynamics shock wave in a self-gravitating gas with heat conduction and radiation heat flux, *Int. J. of Appl. Math. and Mech.*, Vol.10(11), pp.95-118(2014).
- A.2 J. P. J. Kharbhih, S. Dutta: Ring of clopen functions, *Intl. Journal of Pure and Applied Mathematical Sciences*, Vol. 7, No. 3, pp.369-377(2014).
- A.3 Angom Tiken Singh, Himadri Kumar Mukerjee, The rational homotopy type of the complement of the graph of a map, *Journal of Homotopy and Related Structures*, December 2014, DOI 10.1007/s40062-014-0099-y, Springer Berlin Heidelberg.
- A.4 M.Ansari, B.Borah: Holographic Dark Energy Model with Time Varying G as well as C2 Parameter, *International Journal of Theoretical Physics*, Vol. 53, (2014), pp. 1217-1224.
- A.5 M.Ansari, A.Asga: Bianchi type I bulk viscous cosmological models in Lyra geometry, *International Journal Prespacetime Journal*, Vol. 4, Issue-5, (2013), pp. 531-544.
- A.6 M.Ansari, A.Rahman: Some new LRS Bianchi type I bulk viscous Cosmological models with Decaying  $\gamma$ -term, *International Journal Prespacetime Journal*, Vol. 4, Issue-9, (2013), pp. 871-883.
- A.7 A.K.Das, R.K.Nath, M.R.Pournaki: A Survey on the estimation of commutativity in finite groups, *Southeast Asian Bulletin of Mathematics*. 37:161-180, (2013).
- A.8 K.K.Singh, B.Nath: Propagation of a cylindrical shock wave generated by a moving piston in a rotational axisymmetric flow of a non-ideal gas. *Modelling, Measurement and Control B (Mechanics and Thermics)*. 82(2)(2013), pp.35-50 .
- A.9 K.K.Singh, S.Gogoi: Propagation of strong spherical shock waves in a mixture of non-ideal gas and small solid particles. *International Journal of Applied Mathematics and Mechanics*. 9(14)(2013), 54-74.
- A.10 K.K.Singh: Propagation of a cylindrical shock wave in a dusty gas under the action of monochromatic radiation. *International Journal of Applied Mathematics and Mechanics*. 9(14)(2013), pp.37-53.
- A.11 K.K.Singh, B.Nath: (2013). Self-similar cylindrical ionizing shock waves in a rotational axisymmetric non-ideal gas with radiation heat flux, *Universal Journal of Applied Mathematics*, 1(2)(2013), pp.44-54.
- A.12 D.Bhattacharjee, P.K.Saikia: (2013). On Some New Class of Arithmetic Convolutions involving Arbitrary Sets of Integers. *Romanian Journal of Mathematics and Computer Science*, Vol. 2, Issue 2. (2013), pp. 23-35.
- A.13 A.M.Buhphang, K.Hera Singh, M.B.Rege, S.Halicioglu, A.Harmanci and H.Y.Kose: On Rigid Modules, *International Journal East-West Journal of Mathematics*, Vol. 15, No. 1, (2013), pp.71-85.
- A.14 M. Ansari, A. Ali: Exact solutions of axially symmetric Bianchi type I cosmological models in Lyra geometry, *IOSR Journal of Applied Physics*,(2014), 5: 01-05.
- A.15 M. Ansari, A. Rahman: Bianchi type - VI<sub>0</sub> Dark energy model with variable EOS parameter



- in a Saez-Ballester scalar-tensor theory of gravitation. *Journal of Mathematical Archive*, (2013), 4: 1-5.
- A.16 M. Ansari, A. Rahman: Anisotropic Bianchi type-III dark energy model with time dependent deceleration Parameter in Saez- Ballester theory, *International Journal IOSR Journal of Applied Physics (IOSR-JAP)* e-ISSN 2278-4861, Vol.4, No. 5 (2013), pp. 79-84.
- A.17 K.K.Singh, S. Gogoi: Self-similar flow of a dusty gas behind an exponential shock with heat conduction and radiation heat flux. *Journal of Rajasthan Academy of Physical Sciences*. 12(4)(2013), pp.419-436.
- A.18 P.K.Saikia, D.Subedi: Bell numbers, determinants and series. *Proc.Indian Acad. Sci. (Math. Sci.)*, Vol. 123, No. 2,(2013) pp. 151-166.
- A.19 A.M.Buhphang: Left SDF rings, *American Journal of Mathematics and Sciences*, 2(1), (2013) pp.275-279.
- A.20 A.M.Buhphang: Endomorphism rings of Abelian Modules, *Proceedings of the national Conference on Recent Advances in Mathematics and its applications*, (2013).
- A.21 A.K.Das, R.K.Nath: A generalization of commutativity degree of finite groups, *Communications in Algebra*, 40(6), (2012), pp.1974-1981.
- A.22 A.T. Singh: Some properties of Armendariz modules, *American Journal of Mathematics and Sciences*, 2(1), (2013), pp.269-274.
- A.23 A.T. Singh: On ps-gaussian Rings, *Proceedings of the national Conference on Recent Advances in Mathematics & its applications*, (2013).
- A.24 S.S. Khare: Span of specific manifolds, *The Mathematics Student*, 81, (2012), pp.1-25.
- A.25 K.K. Singh, B.Nath: Magnetogasdynamic shock wave in a non-ideal gas under a gravitational field with heat conduction and radiation heat flux, *International Journal of Physics and Mathematical Sciences*, 2(2)(2012), pp.105-119.
- A.26 K.K. Singh, S.Gogoi: A self-similar flow of a mixture of a non-ideal gas and small solid particles behind a spherical shock wave in the presence of a gravitational field, *International Journal of Physics and Mathematical Sciences*, 2(3)(2012), pp. 9-21.
- A.27 K.K. Singh, S.Gogoi: Self-similar flow of a dusty gas behind a shock wave with heat conduction and radiation heat flux under a gravitational field, *Journal of Rajasthan Academy of Physical Sciences*, 11(4)(2012), pp. 317-338.
- A.28 K.K.Singh, B.Nath: Self-similar cylindrical ionizing shock wave in a rotating axisymmetric gas flow, *Indian Journal of Science and Technology*, 6(3)(2013), pp. 17-25.
- A.29 K.K.Singh, J.P.Vishwakarma: Self-similar flow of a mixture of a non-ideal gas and small solid particles behind a shock wave in presence of heat conduction, radiation heat flux and a gravitational field, *Meccanica*, 48(1)(2013), pp.1-44.27.
- A.30 K.K.Singh, B.Nath: Magnetogasdynamic shock waves in a non-ideal gas with heat conduction and radiation heat flux, *Journal of Engineering Physics and Thermophysics*, 85(5)(2012), pp. 1179-1188.
- A.31 K.K.Singh: A self-similar flow behind a cylindrical shock wave in a self-gravitating rotating gas with heat conduction and radiation heat flux, *Modelling, Measurement and Control-B*, 81(1-2)(2012), pp. 61-81.



- A.32 Sekhar Jyoti Baishya: On finite groups with specific number of centralizers, *International Electronic Journal of Algebra*, 2(4)(2012), pp.53-62.
- A.33 Sekhar Jyoti Baishya: On Finite C-tidy groups, *International Journal of Group Theory*, 13(2013), pp. 39-41.
- A.34 A.K.Das: On generalized commutativity degree of a finite group, *Rocky Mountain Journal of Mathematics*, 41(6)(2011), pp. 1987-2000.
- A.35 A.K.Das: A characterisation of certain finite groups of odd order, *Mathematical Proceedings of the Royal Irish Academy*, 111A(2)(2011), pp. 69-78.
- A.36 A.K.Das: On the diameter and girth of zero-divisor graphs of posets, *Discrete Applied Mathematics*, 160(2012), pp. 1319-1324.
- A.37 K. K. Singh: Self-similar flow of a non-ideal gas with increasing energy behind a magnetogasdynamic shock wave under a gravitational field, *Journal of Theoretical and Applied Mechanics*, 45(2)(2011), pp. 501-513.
- A.38 N. J. Singh, H.K.Mukerjee: Homology Curve Complex, *Advances in Pure Mathematics*, 2(2012), pp.119-123.
- A.39 T.Subedi, A.M.Buhphang: On weakly regular rings and generalizations of V-rings, *International Electronic Journal of Algebra*, 10(2011), 162-173.
- A.40 T.Subedi, A.M.Buhphang: On strongly regular rings and generalizations of semi-commutative rings, *International Mathematical Forum*, 7(16)(2012), pp.777-790.
- A.41 S.S.Khare: Span of the Wall manifolds, *Journal of the Indian Mathematical Society*, 79(1-4)(2012), pp.73-80.
- A.42 S.S.Khare: Span of specific manifolds, *The Mathematics Students*, 81(1-4)(2012), pp.1-25.
- A.43 M.Ansari: Implications of One-Loop Quantum correction in the Back-ground Geometry of 5-dimensional Kaluza-Klein Cosmology, *Journal of The Tensor Society, Lucknow*, 4(2012), pp.77-86.
- A.44 M.Ansari: Dirac Equation in a 5-Dimensional Kaluza-Klein Theory, *Indian Journal of Pure and Applied Math.(INSA)*, 41(6)(2012), pp.715-736.
- A.45 K.K.Singh, Bineeta Nath: Magnetogasdynamic shock wave in non-ideal gas under gravitational field with heat conduction and radiation heat flux, *International Journal of Physics and Mathematical Sciences*, Vol.2(2), April-June, pp105-119(2012).
- A.46 K.K.Singh, Bineeta Nath: Magnetogasdynamic shock wave generated by a moving piston in non-ideal gas under gravitational field: Isothermal flow, *Journal of National Academy of Mathematics, India*, Vol.26, pp. 85-99 (2012).
- A.47 K.K.Singh, Sarujinee Gogoi: Propagation of a cylindrical shock wave in a rotational axisymmetric mixture of a non-ideal gas and small solid particles with heat conduction and radiation heat flux, *Journal of National Academy of Mathematics, India*, Vol. 26, pp 120-142 (2012)
- A.48 A.K.Das: On generalized commutativity degree of a finite group, *International Electronic Journal of Algebra, Turkey*, 7(2010), pp.140-151.
- A.49 A.K.Das: On a lower bound of commutativity degree. *Rendiconti del Circolo Matematico di Palermo, Italy*, 59(2010), pp.137-142.
- A.50 M.Ansari, J. Dutta and S. Chakraborty: Holographic Dark Energy and validity of the Gener-



- alized Second law of Thermodynamics in the DGP Brane World. *Modern Physics Letters*, Singapore, 25(36)(2010), pp.3069-3079.
- A.51 M.Ansari, J. Dutta and S. Chakraborty, Non-linear equation of state and effective phantom divide in Brane Models. *International Journal of Theoretical Physics*, (2010) (Springer Science).
- A.52 M.Ansari: Implications of One-Loop Quantum correction in the Background Geometry of 5-dimensional Kaluza-Klein Cosmology, *Journal of The Tensor Society*, 4(2010), pp.77-86.
- A.53 M.Ansari: Dirac Equation in a 5-Dimensional Kaluza-Klein Theory, *Indian Journal of Pure and Applied Math. (INSA) New Delhi*, 41(6)(2011), 715-736
- A.54 A.K. Das, R.K. Nath: On solutions of a class of equations in a finite group, *Communications in Algebra*, 37(11)(2009), 3904-3911.
- A.55 A.K. Das, R.K. Nath: On generalized relative commutativity degree of a finite group, *International Electronic Journal of Algebra*, 7(2010) 140-151.
- A.56 A.K. Das: On finite groups having perfect order subsets, *International Journal of Algebra*, 13(2009), 629-637.
- A.57 M. Ansari: Emission of Energy from Schwarzschild black Holes, *Journal of The Tensor Society*, 3(2009), pp 105-117.
- A.58 M.Ansari: On wave solutions of Einsteins Field Equations of General Relativity containing Zero-Rest Mass Scalar Fields, *The NEHU Journal*, 8(1)(2010), pp.89-93.
- A.59 M. Ansari: A possible solution to cosmic baryon excess problem in the Universe, *Proc. Nat. Acad. Sci. India Sec. A, Pt. II*, 80(2010).
- A.60 M. Ansari, Dirac Equation in 5-Dimensional Kaluza Klein Theory, *Univ. of Intanbul Faculty of Science, the journal of Mathematics, Physics & Astronomy*, 3(2009).

List of publications for the last 5 years:

- A.I P.K.Saikia: *Linear Algebra*, ISBN: 978-81-317-2565-8, Dorling Kindersley (India) under license from Pearson Education, 2009.
- A.II K.K.Singh: *Textbook of Dynamics*, ISBN: 978-81-203-4190-6, Published by Prentice-Hall of India, Pvt. Ltd. 2011.
- A.III P.K.Saikia: *Linear Algebra (Revised second edition)*, ISBN: 978-93-325-2214-5, Dorling Kindersley (India) under license from Pearson Education, 2014.



### 3.30.2 Year-wise plan of work

Details of year-wise plan of work proposed to be done in the major thrust areas.

#### Thrust Areas - Algebra

##### B.1 Ideals in subrings & extension rings of $C(X, R)$ and graph theoretic properties of $C(X, R)$ (Proposal submitted by Dr. Sanghita Dutta)

For a topological space  $X$ , let  $C(X, R)$  denote the ring of all real valued continuous functions. The ring properties of  $C(X, R)$  characterizes the topology of  $X$  and vice versa. The structure of the ideals are known for  $C(X, R)$  and also for the subrings of  $C(X, R)$  containing  $C^*(X, R)$ , the ring of all bounded real valued continuous functions. There are subrings of  $C(X, R)$  which are neither contained in  $C^*(X, R)$  nor contain it, for example, the ring of all clopen functions on  $X$ , the ring of all super continuous functions on  $X$ .

The generalized continuity is being studied by many mathematicians and they have applications in various subjects. There are generalized continuous functions which with some restriction on the topological space forms a ring.

The notion of graph to rings was introduced by I. Beck in 1988. There after many mathematicians have studied the ring properties of a ring in terms of graph theory and vice versa.

The following are the plan of work in next five years:

- (a) To study the ideals in some subrings of  $C(X, R)$  not containing  $C^*(X, R)$ .
- (b) To characterize some rings using graph theory.
- (c) To study some generalized continuity and their properties.
- (d) To study those generalized continuity which forms a ring.
- (e) To find the ideals in some rings containing  $C(X, R)$ .
- (f) To study the properties of generalized ideals in  $C(X, R)$ .
- (g) To study the ring  $C(X, R)$  using graph theoretic properties and characterize some topological spaces in terms of graphs.

##### B.2 Generalizations of essential and superfluous submodules and their behaviour in left chain rings

(Proposal submitted by Dr. A.M.Buhphang)

Essential and small (also known as superfluous) submodules play a significant role in the theory of rings and modules. Essential submodules were introduced by Johnson way back in 1951 and the name was given by Eckmann and Schopf in 1953. An important contribution of essential modules is that every module has a maximal essential extension called the injective hull or the injective envelope of that module. It follows then that a module with no proper essential extension is injective. Motivated by this idea and the concept of nil-injective rings, we introduce the concept of nil-essential ideals. Wei and Chen defined a ring to be left nil-injective if for every  $a \in R$ , there exists  $n > 0$  such that any  $R$ -homomorphism from  $Ra^n \rightarrow R$  extends to  $R$ . Analogously, a left  $R$ -module is nil-injective if for every  $a \in R$ , there exists  $n > 0$  such that any  $R$ -homomorphism from  $Ra^n \rightarrow M$  extends to  $R$ . We recall that a submodule  $N$  of a module  $M$  is *essential* in  $M$  (abbreviated  $N \leq M$ ) if for any submodule  $K$  of  $M$ ,  $N \cap K = 0$  implies  $K = 0$ . We define a left ideal  $I$  of a ring  $R$  to be *left nil-essential* if for any left ideal  $J$





of  $R$ ,  $I \cap J = 0$  implies  $J^n = 0$  for some positive integer  $n$  (equivalently if  $J$  is nilpotent). It is clear that every left essential ideal is left nil-essential. Converse is not true, for example in the ring  $Z_{12}$ , there is a nil-essential ideal which is not essential.

We recall that a submodule  $N$  of  $M$  is small (or superfluous) in  $M$  (abbreviated  $N \ll M$ ) if whenever  $N + K = M$ , we have  $K = M$ . The two concepts essential and small are dual in nature. We also define a submodule  $N$  of  $M$  to be  $R$ -small in  $M$  if for any submodule  $K$  of  $M$ ,  $N + K = M$  implies  $K = aM$  for some  $a \in R$ .

A left ideal  $I$  of a ring  $R$  is a weak ideal (W-ideal) if for all  $a \in I$ ,  $a \neq 0$ , there exists  $n > 0$  (depending on  $a$ ) such that  $a^n \neq 0$  and  $a^n R \subseteq I$ . A left ideal  $I$  of  $R$  is a generalised weak ideal (GW-ideal) if for all  $a \in I$ , there exists  $n > 0$  (depending on  $a$ ) such that  $a^n R \subseteq I$ . Relations between weak left ideals (W-ideals), generalised weak left ideals (GW ideals) and generalised injectivity have been established recently. By weakening the ideal condition we attempt to study more classes of algebraic structures and determine their relationships with the different classes of injective rings including nil-injective rings. One such structure we term as *left G-ideal* which we define to be an additive subgroup  $I$  of  $R$  satisfying  $ra^n \in I$  for every  $r \in R$ ,  $a \in I$  and for some positive integer  $n$ .

A ring  $R$  is a *left chain ring* if for any left ideals  $I$  and  $J$  of  $R$ , either  $I \subseteq J$  or  $J \subseteq I$ . A left ideal  $I$  of a ring  $R$  is a *comparizer left ideal* of  $R$  if  $I$  satisfies  $A \subseteq B$  or  $BI \subseteq A$  for all left ideals  $A, B$  of  $R$ .

The primary objective is to explore properties of nil-essential ideals. The first one year and a half months will be devoted a study of this class of ideals according to the questions posed below:

- Under what conditions will nil-essential ideals be essential?
- Are there nilpotent essential left ideals which are not nil-essential and conversely?
- Are nil-essential ideals nil-injective and conversely?
- If  $R$  is strongly regular and if the left annihilator of every element is a weak ideal (or a generalised weak ideal) are all maximal nil-essential right ideals nil-injective?

The next one year and a half months of the research will be confined to the following questions:

- Given a ring  $R$  what are the left ideals of  $R$  which dualize to nil-essential ideals.
- Given a ring  $R$  and a left  $R$ -module  $M$ , what are the submodules of  $M$  which dualize to  $R$ -superfluous submodules of  $M$ .

After we have established some results on nil-essential ideals and weak ideals, we plan to focus our attention to comparizer ideals and chain rings. In the context of comparizer ideals the following questions are of interest and which is planned to be studied in the remaining two years:

- In a left chain ring, are the weak (respectively GW, essential, nil-essential, primary) ideals comparable?
- What about the other classes of algebraic structures such as the left G-ideals, in such a ring?
- What are the conditions should have in terms of the classes of ideals studied above to



make it into a left chain ring?

### B.3 Some problems in functions rings

(Proposal submitted by Mr. J.P.J.Kharbhih)

- (a) Primal Ideals and other generalization of prime ideals in Rings of Continuous functions.
- (b) Generalization of  $z$ -ideals by using  $m$ -topology, uniform norm topology, etc.
- (c) Others concepts –

Prime Ideals play a very important role in the study of  $C(X)$ , the ring of continuous functions on a topological space  $X$ . Every Prime ideal in  $C(X)$  is contained in a unique maximal ideal. Also every prime ideal  $P$  in  $C(X)$  is absolutely convex and the residue class ring  $C(X)/P$  is totally ordered. Several generalization of prime ideals in rings are known in literature. Primal ideals is one of them.

Another type of ideals that are essential for researchers in Rings of continuous functions are  $z$ -ideal.

Yearwise plan of work:

- (a) In the first year the plan is to study about primal ideal in  $C(X)$  – its relationship with prime ideals and  $z$ -ideals.
- (b) In the second year the plan is to strengthen/weaken the notions of  $P$ -space and  $F$ -space in a topological space  $X$ . A space  $X$  is said to be a  $P$ -space if every prime ideal in  $C(X)$  is maximal and  $X$  is said to be an  $F$ -space if every ideal  $O_p$  is prime. Here  $O_p$  is the ideal consisting of all functions in  $C(X)$  such that  $ClBetaX(Z(f))$  is a neighborhood of  $p$ , ( $p \in BetaX$ ), where  $BetaX$  is the stone cech compactification of  $X$ .
- (c) In the third and fourth year the plan is to generalize the notion of  $z$ -ideals in  $C(X)$  by viewing  $z$ -ideal as a topological object in  $C(X)$  rather than just an algebraic object. Since many topologies can be defined in  $C(X)$  (for example the  $m$ -topology on  $C(X)$  and the uniform norm topology on the subring  $C^*(X)$  of  $C(X)$  consisting of bounded continuous functions.), we thus can have many generalizations of  $z$ -ideals.
- (d) In the fifth year, the plan is to explore and study new ideas that may come up during the past four years as an consequence of doing the study mentioned in 1,2,3 above.

### Thrust Areas – Algebraic Topology, Differential Topology/ Geometry and Dynamical systems

#### B.4 Some problems in four dimensional smooth manifolds and some problems of formality, ellipticity in rational homotopy theory:

(Proposal submitted by Dr. A. Tiken Singh)

Interactions between geometry and topology via curvature restrictions are among the most fascinating connections between fields in Mathematics. Many such inter-actions flourish in the realm of 4-manifolds, as can be attested by the vast literature on the subject. However, many longstanding open questions also remain elusive, among which the classification of closed simply-connected 4-manifolds that admit a metric with positive sectional curvature. Compact Riemannian manifolds with positive sectional curvature are still poorly understood in the sense that, on the one hand, one knows relatively few examples and, on the other hand, most known topological obstructions against existence of a metric of positive curvature are in





fact obstructions against weaker curvature conditions. The only known connected orientable compact positively curved 4-manifolds are  $S^4$  and  $CP^2$  and it has been conjectured that no further example exist.

Year-wise plan of work:

- i To study whether  $S^2 \times S^2$  admits or not a Riemannian metric with positive sectional curvature.
- ii To study the classification of closed simply-connected 4-manifolds that admit a metric with positive biorthogonal curvature .
- iii To study the classification of geometrically formal 4-manifolds with nonnegative sectional curvature.
- iv To study the topological obstructions to the existence and uniqueness of Einstein metrics on four-dimensional manifolds.
- v Studying Geometric structure and rational Homotopy : Geometric structures on topological objects put a lot of restrictions on their homotopy and homology groups. For example a compact homogeneous space is elliptic , i.e. it is a simply connected cell complex and all but finitely many of its homotopy groups are finite. It has been conjectured by Halperin that any closed nonpositively curved manifold is elliptic. We want to investigate validity of Halperin's conjecture for biquotient and existence of Kähler metric on biquotients.
- vi To study the rational homotopy type and formality of the complement of a graph of a continuous map between two closed connected oriented manifolds of different dimensions.

#### B.5 Symplectic topology/ geometry and dynamical systems:

(Proposal submitted by Mr. Ph. Chinglensana)

The topic of symplectic geometry and topology is quite advanced and it is most likely to be more time consuming in learning it. The subject is relatively young and there are many unsolved problems too which makes the subject more difficult to understand yet challenging at the same time. Among the workshop and research schools, I intend to attend the ATM schools in India and whenever possible I also wish to attend the CIMPA research school if the topic is on topology and dynamical systems or geometry. These schools provide good motivation and exposure with the inputs coming in from good speakers and scholars. I plan to attend at least once a year in one of those schools.

Until the end of 2016, I plan to work on a book by Edward Zehnder entitled "Lectures on dynamical systems", published by European Mathematical Society in 2010 and contains, among others, chapters on Symplectic Manifolds. I intend to study symplectic geometry and topology and I have a plan to attend the upcoming ATM workshop on topology in December 2015 in Kolkata. Part of this workshop will be on symplectic topology. I'm interested to learn more on symplectic topology so I intend to study "Introduction to symplectic topology" by D. McDuff and D. Salamon. My next three years, until 2018 perhaps, may be consumed by this field and relevant background materials before I undertake specific research problems.



My interest is basically in topology but topology as such is very vast and I intend to work on dynamical systems too in the future. I have few books in my mind that I want to study like "Geometry of differential forms" by S. Morita and "Topology from the differential view point" by J. Milnor "Differential equations, dynamical systems and an introduction to chaos" by Hirsch, Smale and Devaney and "Ordinary differential equations" by V.I. Arnold among others. Hopefully I will be able to work on research problems by 2019-20.



### 3.30.3 Detailed plan of work for Infrastructure

Renovation/Upgradation/extension (additional space) of laboratory for housing and installation of new equipments including Air – Conditioning

#### C.1 Extension of Computer Lab:

- (a) One hall for the computer Lab-cum-classroom.
- (b) Two rooms for system administrators, Cluster computer servers, network printers, scanners, reprographic facility, stores etc.
- (c) One corridor between the labs and the rooms.

Total plinth area 113.96 sqm. Total cost of construction (with internal electrification, internal water supply and sanitary installation, lightening conductors and computer conduiting) @ ₹ 44,89,740/-

#### C.2 Cabling, furnishing and equipping (Air-conditioning, Chalk and white boards, teaching aids etc.)the lab-cum-classroom

- (a) Networking & Electrical – Computer terminal plug points, Cabling, I/O ports, casing, etc. in the new proposed lab @ ₹ 1,00,000/-
- (b) Air Conditioner – One (1) AC is required for the new proposed lab @ ₹ 54,390/-
- (c) Fans – Six (6) fans for the new proposed lab @ ₹ 2,515/-, total cost ₹ 15,090/-
- (d) Platform – A small platform at the base of white board @ ₹ 2,500/- each for the two existing labs as well as for the proposed lab, total cost ₹ 7500/-.

*Justification: The white boards are also used as screens for the ceiling mounted projector, however these are high and not very comfortable for writing. As such a small platform is necessary at the base of the board.*

- (e) Vertical blinds – Vertical blinds for all the windows in the existing labs as well as for the new proposed lab to provide better lighting during presentations and lectures while using projector, each window 7”x4” @ 4000, total cost ₹ 48,000/- Justification: At present the labs are too bright, which is not suitable while using the projector.
- (f) Furniture – Thirty (30) Computer tables and for the new proposed lab @ ₹ 3,500/-, total cost ₹ 1,05,000/-
- (g) Furniture – Forty (40) Revolving armless chairs for the existing and new proposed lab @ ₹ 4,000/- and ten (10) revolving chairs with arm for the server, system administrator rooms, etc. @ ₹ 4,300/-, total cost ₹ 2,03,000/-

Total = ₹ 5,32,980/-

#### C.3 Improvement of internal electrical wiring for stable power supply in the Department, total cost ₹ 17,60,100/-.

*Justification: The electrical wiring in the department was done in the early 90’s, repeated addition and alterations necessitated due to installation of new machines and equipment coupled with sustained heavy load is in very bad condition, causing regular breakdowns. Moreover, due to extension and alterations, the load distribution is affected. To avoid any major or fatal damage to sophisticated equipments of the department, and as part of preventive maintenance, it is proposed that wiring in the department be replaced.*



### 3.31 Department of Physics

1. Name of Department : PHYSICS
2. Year of establishment : 1976
3. Is the Department part of a School/ Faculty of the university? Yes, part of : Yes, School Physical Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.Sc. and Ph.D.
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of programmes / courses discontinued, if any, with reasons :
8. Annual/ Semester/Choice Based Credit System : Semester system with Choice Based Credit System
9. Participation of the department in the courses offered by other departments :
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	5	3
Associate Professor	7	3
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. P. Shukla	M.Sc.(IIT, Delhi), Ph.D.(Temple)	Professor	Condensed Matter Physics Theoretical	35	3



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. B. M. Jyrwa	M.Sc.(NEHU), Ph.D.(NEHU)	Professor	Nuclear Physics theory	28	5
Dr. P. Nongkynrih	M.Sc.(NEHU), Ph.D.(NEHU)	Professor	Experimental Nuclear Physics	28	2
Dr. Y. N. Tiwari	M.Sc.(Patna), Ph.D.(Patna), LLB(Patna)	Professor	Atomic & Molecular Physics (Theoretical)	29	2
Dr. A. Saxena	M.Sc. (Rohilkhand), M.Phil. (Meerut), Ph.D.(NEHU)	Professor	Experimental Nuclear Physics	27	6
Dr. M. C. Mahato	M.Sc. (Ranchi), Ph.D. (I. I. Sc. Bangalore)	Professor	Solid State Physics Theoretical	17	4
Dr. S. S. Khatri	M.Sc.(NEHU), Ph.D.(NEHU)	Associate Professor	Laser Physics Experimental	27	3
Dr. A. K. Biswas	M.Sc. (IIT, Kharagpur), Ph.D.(IP, Bhubaneswar)	Associate Professor	High Energy Physics Theoretical	10	-
Dr. S. S. Pohlong	M.Sc.(NEHU), Ph.D.(NEHU)	Assistant Professor	Solid State Physics Theoretical	21	2

Table 3.110: Faculty Profile of the Department of Physics.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
13. Percentage of classes taken by temporary faculty-programme- wise information:
14. Programme-wise Student Teacher Ratio:
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	7	7
LDC/ TA	2	2
MTS/ Lab Asstt.	4	4



16. Research thrust areas recognized by funding agencies: *Experimental Condensed Matter*.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<i>National</i>			
-	Dr. B. M. Jyrwa	BNRS, DAE	₹24.0
-	-	-	-
<i>International</i>			
-	-	-	-

Table 3.111: Ongoing projects in the Department of Physics.

18. Inter-institutional collaborative projects and grants received:  
 (a) All India collaboration:  
 (b) International collaboration:
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.
20. Research facility / center with Recognition : State / National / International: *Laser Raman Spectroscopic Laboratory, high speed computing facility with 8-node cluster, high magnification microscope*.
21. Special research laboratories sponsored by / created by industry or corporate bodies:
22. Publications: (Detailed List of publications to be provided to the visiting team)

	Total	National	International
<i>Number of papers published in peer reviewed journals (national/ international)</i>	42	16	26
<i>Monographs</i>			
<i>Chapters in Books</i>	1	1	
<i>Papers in conference proceedings</i>	43	37	
<i>Edited Books</i>			
<i>Books with ISBN with details of Publishers</i>	1	1	
<i>Number listed in International Database</i>			
<i>Citation Index - range / average</i>			
<i>SNIP</i>			
<i>SJR</i>			
<i>Impact Factor - range / average</i>			
<i>h-index</i>			

Table 3.112: Detailed Publications of the Centre for Distance Education.

23. Details of patents and income generated:



24. Areas of consultancy and income generated:
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies:

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Prof P. Shukla				Mentor for Dr. Soumik Banerjee under the Dr. D. S. Kothari postdoctoral Fellowship awarded by UGC.	
Prof P. N. Pandita	Sir J. C. Bose National Fellowship by DST, New Delhi	Honorary Senior research Fellow by the University of Glasgow, United Kingdom			
<i>Doctoral/ Post Doctoral Fellows</i>					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
Students					

Table 3.113: Awards/recognitions of Faculties of the Department of Physics.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National Conference on Condensed Matter Physics (March 2010)	UGC, DST and ₹2 Lakh	-
<i>International</i>		

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 M.Sc. Ph.D.		24	8		
2010-11 M.Sc. Ph.D.		24	8		
2011-12 M.Sc. Ph.D.		24	8		
2012-13 M.Sc. Ph.D.		19	13		
2013-14 M.Sc. Ph.D.		20	13		

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 M.Sc. Ph.D.				
2010-11				





Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Ph.D.				
2011-12 M.Sc. Ph.D.				
2012-13 M.Sc. Ph.D.				
2013-14 M.Sc. Ph.D.				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	50%	50%	63%	-
From other universities within the State	-	-	-	-
From universities from other States	-	-	25%	-
From universities outside the country	-	-	13%	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Central library
<i>Internet facilities for staff and students</i>	Available
<i>Total number of class rooms</i>	6
<i>Class rooms with ICT facility</i>	3
<i>Students' laboratories</i>	6
<i>Research laboratories</i>	5

39. List of doctoral, post doctoral students and Research Associates:



Year	From the host University	From Other Universities
2009-10	6	
2010-11	1	
2011-12	3	
2012-13	6	
2013-14	2	

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *NA*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Not available.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Not available.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Not available.*

43. List the distinguished alumni of the department (maximum 10):

- (a) Prof. B. M. Jyrwa,
- (b) Prof. P. Nongkynrih,
- (c) Dr. S. S. Khatri,
- (d) Dr. S. S. Pohlong,
- (e) Prof. Ramendu Bhattacharjee, and
- (f) Prof. B. Dey

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Prof. H. C. Verma of IIT, Kanpur(delivered lectures).*

45. List the teaching methods adopted by the faculty for different programmes: *Class room, laboratory and tutorials.*

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Through continuous evaluations.*

47. Highlight the participation of students and faculty in extension activities: *Organised study tours.*

48. Give details of “beyond syllabus scholarly activities” of the department:



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
51. Future plans of the department:
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
  - Strengths:**
    -
  - Weaknesses:**
    -
  - Opportunities:**
    -
  - Challenges:**
    -



### 3.32 Department of Statistics

1. Name of Department : STATISTICS
2. Year of establishment : 2005
3. Is the Department part of a School/ Faculty of the university? : Yes, School Physical Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.Sc, M.Phil, Ph.D and P.G. Diploma
5. Interdisciplinary courses and departments involved : M.Sc: (STA O 206, STA O 207, STA O 208, STA O 306, STA O 307, STA O 308 STA O 309), PG Diploma: (STA O 208) Department involved are: Economics, Commerce, Mathematics, Creative & Cultural Studies, Physics.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : PG. Diploma in Statistics discontinued due to lack of infrastructure.
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. : Department of Zoology, Geography and Law
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	2	1
Associate Professor	2	2
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
G. Das	M.A. (Delhi Univ.), Ph.D. (NEHU).	Professor	Sample Survey	27	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
S. M. Bendre	M.Sc., Ph.D. (University of Pune),	Professor	Statistical Inference	27	Nil
M. K. Das	M.Sc., Ph.D (Dibrugarh Univ.)	Associate Professor	Bayesian Inference	32	Nil
B. K. Gupt	M.A. (Econ.) (Rohilkand Univ). M.Sc(Stat) (AMU), Ph.D. (Gauhati Univ.)	Associate Professor	Survey Sampling	29	Nil
R. Singh	M.Sc, Ph.D., (Patna Univ.).	Associate Professor	Econometrics, Poverty and Human Development, Demography	29	Nil
T. K. Chakrabarty	M.Stat.(Agra Univ.), Ph.D, (Manipur Univ.)	Associate Professor	Statistical Demography	25	4
S. K. Jha	M.Sc., Ph.D. (Patna Univ).	Assistant Professor	Spatial Statistics	18	1 MPhil
C. H. Singh	M.Sc (Manipur Univ) Ph.D (IIPS, Mumbai)	Assistant Professor	Demography and Public Health	1	Nil

Table 3.114: Faculty Profile of the Department of Statistics.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Prof. Alope Goswami, ISI Kolkata.*
13. Percentage of classes taken by temporary faculty-programme- wise information: 3:36
14. Programme-wise Student Teacher Ratio: *M.Sc. 25:3*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	Nil
UDC/ STA	Nil	Nil
LDC/ TA	1	Nil
MTS/ Lab Asstt.	Nil	Nil



16. Research thrust areas recognized by funding agencies: *Survey Sampling, Demography, Econometrics, Spatial Statistics.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	Prof. G. Das	Department of Space, Government of India, in collaboration with NESAC	5.625
-	Dr. S. K. Jha	National Afforestation and Eco-Development Board, MoEF, Gol.	6.25
<b>International</b>			
-	Dr. S.K.Jha	Mott McDonald, Mumbai, India	8.216

Table 3.115: No. of faculty with ongoing projects in the Department of Statistics.

18. Inter-institutional collaborative projects and grants received:
- (a) All India collaboration: Nil
- (b) International: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *DST-FIST Project - ₹30,00,000/-*
20. Research facility / center with Recognition :
- State Recognition: *Nil*
- National Recognition: *Nil*
- International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil.*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	17	3	20
Monographs	-	-	-



	National	International	Total
Chapters in Books/Papers in conference proceedings	2	-	2
Edited Books	-	1	1
Books with ISBN with details of Publishers	3 [2 Nos. ISBN :978-3-659-22757-8/ Publisher: 2 - Lambert Academic Publishing 1 - Publishers: Books and Allied (P) Ltd.]		
Number listed in International Database	-		
Citation Index - range / average	-		
SNIP	-		
SJR	-		
Impact Factor - range / average	-		
h-index	-		

Table 3.116: Detailed Publications of the Department of Statistics.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Dr. T. K. Chakrabarty visited Applied Statistics Unit, Indian Statistical Institute, Kolkata during 20.11.2013 to 12.02.2014 as Fellow for research collaboration.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. G. Das	Member of UGC Committee of experts for "Project Evaluation"
Dr. T. K. Chakrabarty	Non-Official member of a task force to study and map the statistical system in Meghalaya under the Planning Department, Government of Meghalaya
Dr. S. K. Jha	Core Group Member in the Regional Centre, National Afforestation and Eco-Development Board, NEHU of Ministry of Environment and Forest Government of India.
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

Table 3.117: Faculty of the Department of Statistics Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Nil*.
28. Students' Projects:



% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	-

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
Dr. Phrangstone Khongji	-	Ph.D.	-	-	-
Dr. Bijoy Krishna Handique	-	-	Young Scientist Merit Award	Ph.D.	-
<i>Students</i>					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Workshop on Statistical Computing	Indian Statistical Institute (ISI)	-
Workshop on Censusinfo Software and Data Dissemination of Census 2011	Registrar General of India - Ministry of Home Affairs Government of India	-
<i>International</i>		
-	-	-

## 31. Code of ethics for research followed by the Department/ Centre:

## 32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MSc	15	9	3	9	2
MPhil	-	-	-	-	-
PhD	-	-	-	-	-
PG Diploma	15	8	2	4	1
2010-11					
MSc	42	19	6	12	6
MPhil	-	-	-	-	-





Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
PhD	-	-	-	1	-
PG Diploma	24	5	5	-	-
2011-12					
MSc	22	2	5	8	5
MPhil	-	-	-	-	-
PhD	16	1	1	-	-
PG Diploma	11	-	-	2	1
2012-13					
MSc	17	2	9	1	9
MPhil	3	3	-	-	-
PhD	17	1	3	1	-
PG Diploma	11	-	-	-	-
2013-14					
MSc	28	7	8	-	-
MPhil	5	-	-	-	-
PhD	17	1	-	-	-
PG Diploma	8	-	-	-	-

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MSc	30	-	70	-
MPhil	-	-	-	-
PhD	-	-	-	-
PG Diploma	100	-	-	-
2010-11				
MSc	48	-	52	-
MPhil	-	-	-	-
PhD	-	-	-	-
PG Diploma	90	-	10	-
2011-12				
MSc	37.50	-	62.50	-
MPhil	-	-	-	-
PhD	50	-	50	-
PG Diploma	-	-	-	-
2012-13				
MSc	22.20	-	77.80	-
MPhil	90	-	10	-
PhD	50	-	50	-
PG Diploma	-	-	-	-
2013-14				
MSc	60	-	40	-
MPhil	-	-	-	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PhD	100	-	-	-
PG Diploma	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- Ms. Achennaro, student of Department of Statistics, NEHU of 2005 - 2007 batch has successfully cleared Indian Statistical Service Examination conducted by UPSC.
- Mr. R.N. Sorithem, student of Department of Statistics, NEHU, of 2009 - 2011 batch has successfully cleared joint CSIR-UGC Test of Lecturership NET.
- Mr. R. N. Sorithem, student of Department of Statistics, NEHU, of 2009 - 2011 batch has successfully cleared Indian Statistical Service Examination conducted by UPSC.
- Mr. Bijoy Krishna Handique, Research Scholar, Department of Statistics, NEHU, awarded with Young Scientist Merit Award for the year 2008. The award was presented by Honorable President of India at a function on Jan 02, 2012 at Satish Dhawan Space Centre, Sriharikota.
- E. Renbi Jami, Student of Department of Statistics, NEHU of 2007 - 2009 batch has successfully cleared Indian Statistical Service Examination conducted by UPSC.
- Mr. Bijoy Krishna Handique, Research Scholar, Department of Statistics, NEHU, awarded with Young Scientist Merit Award for the year 2008. The award was presented by Honorable President of India at a function on Jan 02, 2012 at Satish Dhawan Space Centre, Sriharikota.
- Ms. Ribahun Sancley and Kymenskhem Khongjoh, Department of Statistics, NEHU, of 2011 - 2013 batch has successfully cleared MPSC Examination 2014.

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-%
PG to M. Phil.	4%
PG/M.Phil. to Ph.D.	5-10%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	-	-	-	-
from other universities within the State	-	-	1	-



from universities from other States	8	8	7	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	-
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	1

39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University		From Other Universities	
2009-10	-	-	-	-
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	Ph.D.	4	Ph.D.	2
2013-14	Ph.D.	1	Ph.D.	1

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
9	20	5	1	7

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Nil*.

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*No.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*No.*

43. List the distinguished alumni of the department (maximum 10): *Nil*.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:



- (a) Lectures on ‘Theory of Markov Chain and its Applications’ on 24th and 29th October, 2009 were given by Prof. Alok Goswami, Indian Statistical Institute, Kolkata, in the Department of Statistics, NEHU.
- (b) Singh, R. organized a ‘Workshop on Statistical Computing & Its Application’ at Department of Statistics, NEHU, Shillong, jointly with Bayesian and Interdisciplinary Research Unit of Indian Statistical Institute Kolkata during Nov 29<sup>th</sup> to Dec 1<sup>st</sup> 2012.
- (c) Dr. T.K. Chakrabarty, organized One day Workshop on Censinfo Software and Data Dissemination of Census 2011, on 7th March, 2014 at the Department of Statistics, North Eastern Hill University in collaboration with the Office of the Director of Census Operation, Meghalaya.
45. List the teaching methods adopted by the faculty for different programmes:
- Lecture method using Black/White Board
  - Power Point Presentations
  - Hands on computer sessions
  - Assignments
  - Projects using field/secondary data
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- Department carries out the task of curricular revision on a regular basis in order to keep pace with the growth of the subject. It uses state of the art computing facilities including latest software's to develop job oriented skills among the students.*
47. Highlight the participation of students and faculty in extension activities:
- Dr. S. K. Jha has participated in the following extension activities:
- Delivered lectures as subject expert in Training Programs on ‘Risk Based Audit Approach with Quantitative Techniques and Statistical Sampling’, at the Regional Training Institute, Indian Audit and Accounts Department, North Eastern Region, Shillong in the years – 2007, 2008, 2009, 2010 and 2011.
  - Engaged a part of the course, ‘Nursing Research’, for the Final Year Students of the College of Nursing, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences (NEIGRIHMS), Shillong, for the year – 2009, 2010 and 2011.
  - Delivered ‘Key note address’ in “Two days State Level Interdepartmental workshop on NAP and other Schemes for JFMC and Field Level Staff”, in Imphal, Manipur, during 16-17 march 2012.
  - Delivered lectures on ‘Basic Statistics: Modern Concepts, Assumptions and Limitations’, in the training programme entitled, “A course on Geochemical Mapping of the Geologists”, organized by the Geological Survey of India, North-Eastern region, during 8-13 August.
  - Exposure visit-cum Travelling Workshop for SHG members and Forest Staffs to ‘The Successful SMFE Areas of Dhalbhum and Saraikela-Kharsawan Forest Division of Jharkhand’, during 18-23, September, 2010.



- (f) Exposure visit-cum Travelling Workshop for Forest Officers of North-Eastern States to ‘Successful Models of Medicinal Plant Gardens in Institute of Ayurveda and Integrative medicines (I-AIM), Bangalore’, during 21-28, February, 2011.
- (g) Exposure Visit-cum Travelling Workshop for Forest Officers of North-Eastern States to Visit to successful eco-tourism sites of Thembang village in West Kameng District and Zimithang village in Tawang district, Arunachal Pradesh during 20-25 April, 2013
48. Give details of “beyond syllabus scholarly activities” of the department: *Organising software training programmes and workshops for research scholars and students.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
51. Future plans of the department:
- (a) Further development of the Department infrastructure through Level II FIST Project to be applied by the Department.
  - (b) Extending the thrust areas of the department to newer challenging areas of the discipline.
  - (c) Holding of advanced level summer/winter schools on statistical and research methodology, etc.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Using the state of the art of teaching and learning methodologies.
- Weaknesses:**
- Unfilled vacancies.
- Opportunities:**
- Preparing students to face more competitive examinations and job interviews.
- Challenges:**
- Expansion of thrust areas to newer challenging areas of the discipline.



## School of Social Sciences

### 3.33 Department of Cultural and Creative Studies

1. Name of Department : CULTURAL AND CREATIVE STUDIES
2. Year of establishment : 2009
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences.
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) :
  - (a) M.A. (Folkloristics),
  - (b) PG Diploma (Painting),
  - (c) PG Diploma (Music), and
  - (d) Ph.D.
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester (Choice Based Credit System)
9. Participation of the department in the courses offered by other departments. : Nil
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1(1 Post: Supernumerary)	1
Associate Professor	3	1
Assistant Professor	3	1

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
S.K. Nanda	Ph.D.	Professor	Sociology	25	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Desmond L. Kharmawphlang	Ph.D.	Professor	English	25	4
Lapynshai Syiem	Ph.D.	Associate Professor	Music	12	-
Bedanta Kalita	M.F.A	Assistant Professor	Painting	10	-

Table 3.118: Faculty Profile of the Department of Cultural and Creative Studies.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*.
13. Percentage of classes taken by temporary faculty-programme- wise information: Till 2014: *Nil*.
14. Programme-wise Student Teacher Ratio: *1:5*.
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	1	Vacant
LDC/ TA	3	2 (Filled) 1 Vacant (Steno)
MTS/ Lab Asstt.	1	1 (Filled)

16. Research thrust areas recognized by funding agencies: *Folkloristics, Visual & Performing Arts*.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
Desmond L. Kharmawphlang, S. K. Nanda, Lapynshai Syiem	Rice Myths of North-East India: Area Study	UGC-UPE Scheme	25 Lakhs
<b>International</b>			
-	-	-	-

Table 3.119: Number of faculty with ongoing projects in the Department of Cultural and Creative Studies.

18. Inter-institutional collaborative projects and grants received:
  - a) All India collaboration -
  - b) International -
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Project: Rice Myths of North-East India: Area Study under UGC-UPE Scheme*.



20. Research facility / center with Recognition: State / National / International: *Nil*.
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	-	-
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	8	1	9
Edited Books	-	-	1
Books with ISBN with details of publishers			
<i>Number listed in International Database</i>			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

Table 3.120: Publications of the Department of Cultural and Creative Studies.

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*.
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Nil*.
28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-





## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	1	-	4	1

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National seminar on Semiotics and Folklore, 27-28 September 2011	ICSSR, Shilong- ₹50,000/- NEHU, Shillong- ₹50,000/-; CIIL, Mysore	Folklorists & experts from different parts of the country
National workshop on Paddy Culture; 9th & 10th April 2012	IGNCA, New Delhi	Folklorists and experts
National seminar on Inter-State Border Cultural Transactions: Exploring the Praxis of Folk Communicative Norms in Northeast India; May 2-3, 2013	ICSSR, Shillong- ₹75,000/-	Folklorists and scholars
NFSC Conference for Tata Fellows in Folklore; 24-26 September 2013	National Folklore Support Centre, Chennai	Tata Fellows
Two-Day national seminar on Diaspora and Folklore: Exploring the Changing Dimensions of Folklore in Tribal Diaspora: 27-28 March 2014.	Maulana Abul Kalam Azad Institute of Asian Studies- ₹2.5lacs	Scholars and folklorists from different parts of the country
<i>International</i>		
Four-Day Interim Conference of the International Society for Folk Narrative Research, in NEHU, Shillong from 22nd to 25th February 2011.	IGNCA, New Delhi-4 lacs ICCR, New Delhi - ₹2.50 lacs; MAKAIAS, Kolkata- ₹2.35lacs; ICSSR, N. Delhi- ₹75,000/- NEHU, Shillong- ₹50,000/-	Over a hundred participants from all over the world and from the country
International Workshop on Genres of Belief from Folkloristic Perspective; 4th to 12th February 2013	NEHU, Shillong	Scholars from countries such as USA, Ireland, Finland, Estonia, Latvia, Russia and from the region and the rest of the country



31. Code of ethics for research followed by the Department/ Centre:
- Statutory provisions under Biodiversity Act, Wildlife Protection Act, and for maintaining professional ethics are strictly followed.
  - Disciplinary Committee at departmental level is in place.
32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA†					
PG Diploma‡		12	1	9	1
PG Diploma§		5	5	5	5
2010-11					
MA†	90	10	20	10	17
PG Diploma‡	28	19	9	6	2
PG Diploma§	10	5	5	5	5
2011-12					
MA†	79	14	13	8	15
PG Diploma‡	19	7	4	6	3
PG Diploma§	12	6	2	5	1
2012-13					
MA†	97	16	14	16	13
PG Diploma‡	27	4	9	3	7
PG Diploma§	16	8	2	4	2
2013-14					
MA†	142	12	13	12	13
PG Diploma‡	NA	-	-	9	1
PG Diploma§	9	3	1	3	1

† MA in Folkloristics,

‡ PG Diploma in Music, and

§ PG Diploma in Painting.

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10				
MA†				
PG Diploma‡				
PG Diploma§				
2010-11				
MA†				
PG Diploma‡				
PG Diploma§				
2011-12				
MA†				



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG Diploma‡ PG Diploma§				
2012-13 MA† PG Diploma‡ PG Diploma§				
2013-14 MA† PG Diploma‡ PG Diploma§				

† MA in Folkloristics,

‡ PG Diploma in Music, and

§ PG Diploma in Painting.

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

*NET*

- i. R.K. Pamri
- ii. Betty Laloo
- iii. Macdonald Lyngdoh Rynthathiang
- iv. Somengam Mawon
- v. Nilly Lepcha Karthak
- vi. Monika Rimaki Kharmawphlang
- vii. Aibiangmame Thangkhiew
- viii. Hargouri Narzary
- ix. Banphira Bahun Wahlang
- x. Ibansara Myllemngap
- xi. Lalfani Durpui
- xii. Ibanylla Myllemngap
- xiii. Karan Gurung
- xiv. Donald V. Thabah
- xv. Freddie Michael Majaw

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	30%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-



<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	2	1	2	-
From other universities within the State	-	-	-	-
From universities from other States	-	2	2	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*Nil.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	1
<i>Internet facilities for staff and students</i>	8
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	-

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
1	-	-	1	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Nil.*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Nil*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?



*Nil*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Nil*

43. List the distinguished alumni of the department (maximum 10): *Nil*.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Workshops and seminars involving experts from folkloristics, music and painting.*
45. List the teaching methods adopted by the faculty for different programmes: *Classroom teaching, practicals, tutorials, audio-visual programmes, etc.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Nil*.
47. Highlight the participation of students and faculty in extension activities: *Field trips, field work and study tours.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Nil*.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Nil*.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Nil*.
51. Future plans of the department: *To open P.G. Programmes in Music, Painting and Theatre.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Diverse courses of study and multi-disciplinary approach and knowledge pertaining to folklore, music and painting.
- Weaknesses:**
- Inadequate faculty strength;
  - Only two faculty members for MA (Folkloristics) course and one each for PG Diploma Music and Painting courses.
- Opportunities:**
- Good opportunities to produce academically proficient manpower to deal with study of folklore, music and painting.
- Challenges:**
- Shortage of faculty members, office staff and technical staff.



### 3.34 Department of History

1. Name of Department : HISTORY
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, M.Phil., Ph.D.
5. Interdisciplinary courses and departments involved : Under CBCS the Department is offering three open/interdisciplinary courses
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. : Yes, Resource persons in Refresher/Orientation Courses and Workshops
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	3	1
Associate Professor	4	4
Assistant Professor	5+1	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
M. Momin	M.A./ M.Phil./ Ph.D. (JNU)	Professor	Ancient Indian History & Early Northeast India	35	6



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
M. Sharma	M.A. (Gau.)/ Ph.D. (NEHU)	Professor	Modern Indian History & Modern Northeast India	35	10
F. A. Qadri	M.A./ M.Phil./ Ph.D. (Aligarh)	Professor	Medieval Indian History & Northeast India	28	6
A. K. Thakur	M.A./ Ph.D. (BU, Muzaffarpur)	Professor	Medieval Indian History & Northeast India	28	8
V. R. Rengsi	M.A./M.Phil./ Ph.D. (NEHU)	Professor	History of Sciences & Non-Indian History	28	6
C. A. Mawlong	M.A (NEHU), PG Dip. in Archaeology- (IoA, Delhi), Ph.D.(NEHU)	Professor	Archaeology & Early Northeast India	28	4
A. N. Passah	M.A./M.Phil. / Ph.D. (NEHU)	Professor	History of South East Asia & Modern Northeast India	28	3
T. Gurung Nag	M M.A. /M.Phil./ Ph.D. (NEHU)	Associate Professor	Modern Indian History & Northeast India	25	4
S.N. Lamare	M.A. /M.Phil./ Ph.D. (NEHU)	Associate Professor	Modern Indian History & Modern Northeast India	20	5
A. Mathur	M.A./Ph.D. (Rohilkhand Univ.)	Associate Professor	Ancient Indian History, Culture & Archaeology	20	2
M. S. N. Rahman	M .A./Ph.D. (Calcutta)	Assistant Professor	Medieval Indian History & Islamic History & Culture	15	3
B. Dutta	M.A./Ph.D. (NEHU)	Assistant Professor	Modern Indian History	8	-

Table 3.121: Faculty Profile of the Department of History.



12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:  
 (a) Prof. B.D.Chattopadhyay  
 (b) Prof. Imdad Hussain  
 (c) Prof. Bhagawan Josh  
 (d) Prof. Sheila Bora
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*
14. Programme-wise Student Teacher Ratio: 12:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	1	1
LDC/ TA	1	1
MTS/ Lab Asstt.	1	1 (Casual basis)

16. Research thrust areas recognized by funding agencies: *SAP-DSA Northeast India*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	Prof. A. K. Thakur	Indian National Science Academy	₹ 5.5 lacs
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:  
 (a) All India collaboration: *Nil*  
 (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

2009 - 10		2010 - 11	
UGC-SAP-DSA	₹ 6,10,000/-	UGC-SAP-DSA	₹ 6,10,000/-
ICSSR	₹ 63,000/-	-	-

20. Research facility / center with Recognition:  
 State Recognition:  
 National Recognition:





□ International Recognition:

21. Special research laboratories sponsored by/created by industry or corporate bodies: *NA*  
 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	62	2	64
Monographs	-	-	7
Chapters in Books/Papers in conference proceedings	-	-	50
Edited Books	-	-	7
Books with ISBN with details of publishers	i. Regency Publications, New Delhi, 2013; ISBN 978-81-89233-86-0; ii. North Eastern Hill University Publication, Shillong, 2012. Annual Proceedings of North East India History Association, Department of History, NEHU, Shillong; ISSN 2349-753X		
Number listed in International Database			
Citation Index range/average	-		
SNIP	-		
SJR	-		
Impact Factor range / average	-		
h-index	-		

Table 3.122: Detailed Publications of the Department of History.

23. Details of patents and income generated: *NA*  
 24. Areas of consultancy and income generated: *NA*  
 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *NA*  
 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. F. A. Qadri	i. Indian Council of Historical Research, New Delhi, ii. National Council for Promotion of Urdu Language, iii. Indian Historical Records Committee, New Delhi.
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Prof. F. A. Qadri	Proceedings of North East India History Association
Prof. A.K. Thakur	i. Editor, Proceedings of North East India History Association, ii. NEHU Journal
<i>Any Other (Please specify)</i>	
-	-

Table 3.123: Faculty of the Deptt. of History Serving in Committees, Editorial Boards etc..



27. Faculty recharging strategies: *Refresher Courses, Seminars and Annual Conferences*

28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Reinterpretation of sources for writing gender history: Creating an alternative narrative from 24-26 March 2014	ICSSR New Delhi ₹ 2 lacs UGC-SAP-DSA ₹ 2 lacs	Prof. Mrinal Miri, Prof. Sujata Miri, Prof. K. N. Panikker, Prof. Soumen Sen, Prof. Kumkum Roy, Prof. Imdad Hussain, Prof. Tilotama Mishra, Prof. Manorama Sharma, Prof. Apurba Kr Baruah, Prof. Mignonette Momin, Prof. F.A. Qadri and large number of faculty members of the Department of History and other Departments of NEHU. Other faculty members and researchers of northeast India and other parts of India.
Towards an Intellectual History of Northeast India: Pre to Post Colonial Periods from 26 <sup>th</sup> to 28 <sup>th</sup> November 2009.	UGC-SAP-DSA ₹ 2 lacs	
Religion and Society in North East India from 18th Century to Contemporary Times from 24-25 November 2010	UGC-SAP-DSA ₹ 2 lacs	
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10					
MA	182	21	29	40	34
MPhil					
PhD					



Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2010-11 MA MPhil PhD	134	21	29	26	50
2011-12 MA MPhil PhD	169	27	23	29	46
2012-13 MA MPhil PhD	220	21	29	28	42
2013-14 MA MPhil PhD	150	24	25	46	40

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
2009-10 MA MPhil PhD	86	-	14	-
2010-11 MA MPhil PhD	76	-	24	-
2011-12 MA MPhil PhD	72	-	28	-
2012-13 MA MPhil PhD	76	-	24	-
2013-14 MA MPhil PhD	70	-	20	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *NET - 5; Others - variable*



## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	2.5
PG/ M.Phil. to Ph.D.	5
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university	-	6	6	-
from other universities within the State	-	-	-	-
from universities from other States	-	6	6	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *Nil*

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Main Library
<i>Internet facilities for staff and students</i>	20
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	-
<i>Research laboratories</i>	1

## 39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University		From Other Universities	
	Doctoral	Post Doc	Doctoral	Post Doc
2009-10	3	-	-	-
2010-11	3	-	1	-
2011-12	2	-	4	-
2012-13	-	-	3	-
2013-14	6	-	1	-

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

All the ST and SC students are getting the financial assistance from their respective state governments.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *NA*



42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes, the suggestions are utilised at the time of curriculum revision.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Yes, the suggestions are utilised at the time of curriculum revision. The feedback on Staff is not taken.*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*Yet to be evolved.*
43. List the distinguished alumni of the department (maximum 10):
- Dr. D. R. Syiemlieh, Member, UPSC, New Delhi,
  - Prof. Manorama Sharam, NEHU, Shillong,
  - Prof. V. R. Rengsi, NEHU, Shillong,
  - Prof. C. A. Mawlong, NEHU, Shillong,
  - Prof. A. N. Passah, NEHU, Shillong,
  - Prof. Sukhendu Debbarma, Tripura University,
  - Prof. Meeta Deka, Gauhati University,
  - Prof. Priyam Goswami, Gauhati University,
  - Shri Benjamin Hounar, IRS, and
  - Prof. N. Venuh, Nagaland University.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Under the UGC-SAP-DSA and UPE programmes special lectures/interactions/seminars/workshops have regularly been organised.*
- Prof. K. N. Panikker
  - Prof. B. D. Chattopadhyay
  - Prof. Udyan Misra
  - Prof. Imdad Hussain
  - Prof. Bhagawan Josh
  - Prof. Shiela Bora
45. List the teaching methods adopted by the faculty for different programmes: *Audio-Visual facilities are utilised alongwith the traditional black/white board methods.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Through regular internal assessments and assignment presentations.*
47. Highlight the participation of students and faculty in extension activities: *Participate in NSS,*



*Versity Week, Blood donation camps, NEHU Students' Union etc.*

48. Give details of "beyond syllabus scholarly activities" of the department:
- Department organises H. K. Barpujari Endowment Lectures and publishes it with regular intervals.
  - Department houses the Headquarters of North East India History Association (NEIHA), which is the premier academic organisation of the region. Besides its annual sessions (35 so far) it also organises annual endowment lectures.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *The faculty has brought the region to the limelight in the world of academia through their researches on various aspects of the political, social, cultural and economic history.*
51. Future plans of the department: *Presently the faculty is working on UGC-SAP-DSA II with thrust area on socio-cultural and intellectual history of the region and focussing on achieving and getting a Centre for Advanced Study (CAS) in regional history of NE India.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department: *Being the premier Central University of the region the teaching and researches on scientific and secular lines have always been a strength and challenge to us.*

**Strengths:**

- *UGC-SAP-DSA-II programme,*
- *Expertise of the senior faculty,*
- *Membership of the faculty of National Bodies,*
- *Annual NEIHA sessions,*
- *Refresher Courses.*

**Weaknesses:**

- *Shortage of space for SAP library,*
- *Shortage of office staff,*
- *No external exchange programme,*
- *No language training for research scholars,*
- *Space for research library and sitting room(s).*

**Opportunities:**

- *Regular foreign exchange programme for the faculty and national for research scholars*

**Challenges:**

- *Keeping pace with the growing trends of historical researches.*



### 3.35 Department of History and Archaeology (Tura Campus)

1. Name of Department : HISTORY AND ARCHAEOLOGY (Tura)
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG (MA in History and Archaeology)
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester and CBCS
9. Participation of the department in the courses offered by other departments. : Nil
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	-
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Amit Kumar Upadhyay	Ph.D.	Assistant Professor and Teacher-In-Charge	Numismatic, Epigraphy and Ancient India Culture	2.6	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Tilok Thakuria	Ph.D.	Assistant Professor	Pre and Proto-historic Archaeology, Cultural Studies and Paleotechnology	2.6	-
Dr. Doneti Sivaji	Ph.D.	Assistant Professor	Business History, Studies on Entrepreneurship, Intellectual History, Studies on Caste	2.6	-

Table 3.124: Faculty Profile of the Department of History and Archaeology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
  - (a) Prof. Alok Tripathi, Assam University, Silchar,
  - (b) Dr. Susmita Basu Majumdar, Calcutta University, Kolkata, and
  - (c) Dr. Dinesh Ojha, Banaras Hindu University, Varanasi.
13. Percentage of classes taken by temporary faculty-programme- wise information: *M.A. 40% of total classes*
14. Programme-wise Student Teacher Ratio:
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	1 (temporary)
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies: *Nil*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
	Dr. Amit Kumar Upadhyay	UGC, New Delhi	11.25





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
	Dr. Tilok Thakuria	ASI, Guwahati Circle	2.00
<b>International</b>			
	Dr. Tilok Thakuria	Infinity Foundation, USA	\$ 4000

Table 3.125: Ongoing projects in the Department of History and Archaeology.

18. Inter-institutional collaborative projects and grants received:
- All India collaboration: *Nil*
  - International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*
20. Research facility / center with Recognition:
- State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/international)	-	-	-
Monographs	-	-	2
Chapters in Books/Papers in conference proceedings	-	-	12
Edited Books	-	-	1
Books with ISBN with details of publishers	-	-	-
Number listed in International Database			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

23. Details of patents and income generated: *Nil*
24. Areas of consultancy and income generated: *Nil*



25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Dr. Amit Kumar Upadhyay	Executive Council Member, Numismatic Society of India, BHU, Varanasi.
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Dr. Amit Kumar Upadhyay	i. Member of Editorial Board, Journal of Numismatic Society of India, Varanasi. ii. Editor, Manaviki- A journal of Humanities and Social Sciences, Varanasi
<i>Any Other (Please specify)</i>	
Dr. Tilok Thakuria	Reviewer for Nagaland University Research Journal

Table 3.126: Faculty of the Deptt. of History and Archaeology Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:
- (a) Participation in Orientation and Refresher Courses,  
(b) Participation in Seminar/Symposia/Workshops/Training courses.
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Situating Tura Town from West Garo Hills	ICSSR, ICHR, NEHU Total Amount= ₹ 4.00 lakhs	30



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Coinage and Economy Continuity and Change in Northeast India	ASI and NEHU Total Amount= ₹ 1.50 lakhs	50
Skill Development Programme on Food Processing(22-27 March 2014)	NIMSME-NIFTEM-NEHU Amount = ₹ 0.65/- lakh	50
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *The department undertakes both teaching and research in the areas of history and archaeology. The department provides both theoretical and practical training to Post Graduate students as part of teaching and training within the stipulated time. The department provides laboratory exposure to students in the areas related to field and conservation archaeology. In addition to these, the department also arranges field trip to archaeological and historical sites for training in documentation of archaeological and historical records along with other field based studies. Beside these, the faculty members often make visit to local historical and archaeological places to gather information on related areas.*
32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA	-	-	-	-	-
2010-11 MA	-	-	-	-	-
2011-12 MA	-	-	-	-	-
2012-13 MA	-	-	-	-	-
2013-14 MA	46	9	14	-	-

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
2009-10 MA	-	-	-	-
2010-11 MA	-	-	-	-
2011-12 MA	-	-	-	-
2012-13 MA	-	-	-	-



2013-14				
MA	96	96	4	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: NA (*First batch is running*)
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph.D.	Others
of the same university	-	-	-	-
from other universities within the State	-	-	-	-
from universities from other States	3	3	3	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 01

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes (Central)
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	-

39. List of doctoral, post-doctoral students and Research Associates:

Year	From the host University		From Other Universities	
	Doctoral	Post Doc	Doctoral	Post Doc
2009-10	-	-	-	-
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-



40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	21

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Opinions were taken from the subject-experts before development of a new programme. Being a subject like history, it was also a question that how we can development our course curriculum to meet out the then challenges, so interdisciplinary approach was also emphasise in the developed programme.*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, suggestions are placed in front of the appropriate body or authorities.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, suggestions are discussed in the departmental meeting accordingly decisions were taken.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*No.*

43. List the distinguished alumni of the department (maximum 10): *Nil*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Special Lecture from the Resource Persons:

(a) Prof. F. A. Qadri, NEHU, Shillong,

(b) Prof. D. K. Medhi, Guwahati University, Assam

45. List the teaching methods adopted by the faculty for different programmes:

(a) Audio-visual,

(b) Outdoor teaching, and

(c) Experimental study.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Department is not in apposition to make any conclusive result on the programmes of the department because it is just started or in pipeline, but participation of students and their interest shows that by the current programmes, we are able to achieve our objectives. In the programmes running department have different method to monitor and produce result by that.*

47. Highlight the participation of students and faculty in extension activities: *Faculty members are participating actively in extension activities such as administrative duties assigned by the university and occasionally by district administration. Students too participating activates like*



*Clean Indian Programme etc.*

48. Give details of "beyond syllabus scholarly activities" of the department:
- Faculty Members are taking Tutorial Classes to guide student on any issue related to their Academic interest as well as social problems.
  - Faculty Member is guiding students to participate in National level exams.
  - Department provides both theoretical and practical training to post-Graduates students.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Nil*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *We can give credit to the department to popularise the study of archaeology in the region as well as for taken steps to make Archaeology as a part of course curriculum in the affiliated colleges. Department also emphasise on study.*
51. Future plans of the department:
- Department is first of its kind in Meghalaya.
  - Faculty members are young, experienced and ready to meet all the challenges.
  - To start a 'Save History Programme' for the region to conserve and preserve the heritage of this region.
  - To build one museum and this can represent the whole northeast in future because of richness of materials etc.
  - To introduce the department in SAP-UGC scheme.
  - To start a Centre of Archaeology.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Department is first of its kind in Meghalaya.
  - Faculty members are young, experienced and ready to meet all the challenges.
- Weaknesses:**
- Working atmosphere is always disturbed by various outside factor related to society.
  - Limited resources.
- Opportunities:**
- This is a challenge for the faculty member to work in the source provided by the system and generate the fund from other sources to achieve their goals.
  - To produce first rate research.
- Challenges:**
- To educate the students which are coming from a marginal community and they don't have background to compete with the other part of students of India.
  - To provide opportunity to students for interaction with the student of other university or to understand the culture of other region and its vice-versa.



### 3.36 Department of Law

1. Name of Department : LAW
2. Year of establishment : 2005
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : B.A.LL.B (Hons) 5 Years Integrated Course
5. Interdisciplinary courses and departments involved : Liberal Papers/ Non-Law Papers like English, Political Sc., Sociology and Economics are Inter Disciplinary Courses and Sister Departments are involved in teaching
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Courses in collaboration with Court room practice and court visit as per the Bar Council of India Rules.
7. Details of programmes / courses discontinued, if any, with reasons : No course have ever been discontinued in the Department
8. Annual/ Semester/Choice Based Credit System : Semester and Choice Based Credit System
9. Participation of the department in the courses offered by other departments. : In Master Degree Course in LL.M there is a syllabus of open choice papers.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	3	2
Assistant Professor	6	6

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. J.J. Mozika	LL.B, LL.M, NET, PH.D	Associate Professor	Commercial	15 years	To be started from this session



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. C. Rout	M.A. (Pol. Sc), LL.B LL.M, NET, PH.D	Associate Professor	Constitutional Law & Commercial Law	21 years	To be started from this session
Dr. R.K. Mishra	LL.B, LL.M, NET, PH.D	Assistant Professor	Commercial	10 years	To be started from this session
Dr. A.K. Singh	LL.B, LL.M, NET, PH.D	Assistant Professor	Commercial	10 years	To be started from this session
Dr. N. Kumar	LL.B, LL.M, NET, PH.D	Assistant Professor	Commercial	10 years	To be started from this session
Dr. R. Sil	LL.B, LL.M, NET, PH.D	Assistant Professor	Commercial	5 years	To be started from this session
Mr. S. Tiwari	LL.B, LL.M, NET, (PH.D Thesis Submitted)	Assistant Professor	Commercial	5 years	To be started from this session
Mrs. P. Gupta	LL.B, LL.M, NET, PH.D	Assistant Professor	Commercial	5 years	To be started from this session

Table 3.127: Faculty Profile of the Department of Law.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
- Prof. B.C. Nirmal,
  - Prof. B.N. Pandey,
  - Prof. Ali Ahmedi,
  - Prof. S.D. Sharma,
  - Prof. J. Kaul and
  - Prof. S. Patnaik
13. Percentage of classes taken by temporary faculty-programme- wise information: 100%
14. Programme-wise Student Teacher Ratio: 40:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	Nil
UDC/ STA	Nil	Nil
LDC/ TA	2	Temporary
MTS/ Lab Asstt.	2	Temporary

16. Research thrust areas recognized by funding agencies:
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:





Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<i>National</i>			
-	-	-	-
<i>International</i>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:  
 (a) All India collaboration: *No*  
 (b) International: *No*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *No*
20. Research facility / center with Recognition : *Yes*  
 State Recognition:  
 National Recognition:  
 International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: *No*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	57	12	69
Monographs	-	-	-
Chapter in Books/ Papers in Conference proceedings	32	-	32
Edited Books	2	-	2
Books with ISBN with details of publishers	i. <i>Personal Liberty and Human Rights</i> , Central Law Publications, Allahabad, ISBN: 978-9382676-515, ii. <i>Judicial Pronouncement and Stifling Prosecution</i> , SSDN Publications and Distributors, New Delhi, ISBN:978-9138357-512-1, iii. <i>Computer Programme – An Intellectual Property: with reference to Protection Challenges before India</i> , LAP – Lambert academic Publishing, Germany, 2012, pp.1-345 (ISBN: 978-3-8484-9138-4), iv. <i>Human Rights &amp; Society University</i> , Published by Hume, Jaipur, v. <i>Corporate Law &amp; Governance</i> , Regal Publication, New Delhi, and vi. <i>Protection of the Outer Space Environment Under International Law</i> , Germany: Lap Lambert Academic Publishing, 2014.		
<b>Number listed in International Database</b>			
Citation Index range/average	5.10		



	National	International	Total
SNIP		-	
SJR		-	
Impact Factor range / average		1.1783 - 3.00 (range)	
h-index		-	

Table 3.128: Detailed Publications of the Department of Law.

23. Details of patents and income generated: *No.*
24. Areas of consultancy and income generated: *No.*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *No.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Dr. C. Rout	Nav Pravah An International Research Journal
Dr. R. Sil	Indian Human Rights Law and Review, P. Cambray & Co. Pvt. Ltd, Kolkata - 13
<i>Any Other (Please specify)</i>	
Dr. A.K. Singh	Members of School Board, BUGS, BOS etc.

Table 3.129: Faculty of the Department of Law Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *No.*
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. C. Rout	-	-	Rashtriya Gaurav Award	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-



30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 LLB	155	21	39	85	95
2010-11 LLB	222	27	33	89	96
2011-12 LLB	202	25	36	90	93
2012-13 LLB	235	23	39	96	95
2013-14 LLB	299	30	30	93	98

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 LLB	-	-	-	-
2010-11 LLB	-	-	-	-
2011-12 LLB	-	-	-	-
2012-13 LLB	-	-	-	-
2013-14 LLB	-	-	-	-

**Note:** The Department runs 5 Year integrated BA LLB(Hons) Course and the students take admission after the completion of 10+2 course and generally they passed out from School Board or Council and not from the University.

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET,



GATE and other competitive examinations? Give details category-wise: *Nil.*

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	83.3%
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university				
from other universities within the State				
from universities from other States	Yes	Yes	Yes	Yes
from universities outside the country				

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 4  
(Four)

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	3323 Books
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	10
<i>Class rooms with ICT facility</i>	5
<i>Students' laboratories</i>	2
<i>Research laboratories</i>	1

39. List of doctoral, post doctoral students and Research Associates:

Year	From the host University		From Other Universities	
2009-10	-	-	-	-
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If



so, highlight the methodology:

42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*The Department takes it positively and try to improve the areas where there are short comings.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*The Department takes it positively and try to improve the areas where there are short comings*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*The Department takes it positively and try to improve the areas where there are short comings.*
43. List the distinguished alumni of the department (maximum 10): *3 have been appointed as Judicial Magistrate in different District Courts in Meghalaya, 2 have been joined as bank Officer in Nationalized Bank, 5 have joined as an Academician in different National Law Schools and many are practising as an Advocates in different course of the country.*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Department engage one Delhi Based Nimansa Consultus for imparting practical training to the students, one Professor S. Patniak came and deliver lectured on International Law in the month of March 2015.*
45. List the teaching methods adopted by the faculty for different programmes: *Lecture method, case study method, Socratic methods and group discussion methods.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *The students succeed in 90 % in their final results.*
47. Highlight the participation of students and faculty in extension activities: *All the teachers and students in the Department involved in different extra-curricular activities and academic activities throughout the year.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Inviting external lecture conducting moot court and debate competitions among the students*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Yes, Bar Council of India.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *The Department generates basic or applied knowledge in the field of Law. The students succeed in their practice in the court of Law contesting and arguing the case with the citation of various judgements from different course of the country.*



51. Future plans of the department: *The Department always trying its best improving the standard of the students by training them with practical moot court classes and discussing different case laws in the class rooms and also sending them for internship to practice with a practicing lawyer in his/her chamber and also attending the trial proceeding in the court room.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**  
-
- Weaknesses:**  
-
- Opportunities:**  
-
- Challenges:**  
- The challenge of the Department is to give legal knowledge to the innocent people of Meghalaya with tribal background feeding them with logic and reasoning to stand against injustice and fight for justice.



### 3.37 Department of Political Science

1. Name of Department : POLITICAL SCIENCE
2. Year of establishment : 1974
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : PG, M.Phil, Ph.D & Post-Doctoral Fellow
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
7. Details of programmes/ courses discontinued, if any, with reasons : None
8. Annual/ Semester/Choice Based Credit System : CBCS
9. Participation of the department in the courses offered by other departments. : Yes. Students opted different Open Courses offered by different departments within the University under CBCS
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	5	3
Associate Professor	5	3
Assistant Professor	5	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
R. Borgohain	M.A., M.Phil. (JNU), & Ph.D (Gauhati University)	Professor	Gender Studies, Indian Government & Politics	39	10



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
L. S. Gassah	M.A., M.Phil & Ph.D (N.E.H.U.)	Professor	Government & Politics in North East India	36	15
K. Debbarma	M.A., M.Phil & Ph.D (N.E.H.U.)	Professor	Human Rights, Development Administration, Migration Politics	24	12
H. Srikanth	M.A. & Ph.D (Hyderabad University)	Professor	Political Theory, Political Economy, Social Movements.	20	7
R. K. Satpathy	M.A.&M.Phil (Sambalpur University) Ph.D (N.E.H.U)	Professor	International Politics, Political Theory and Electoral Politics.	35	6
T. T. Haokip	M.A. & Ph.D (N.E.H.U)	Professor	Foreign Policy, Public Administration, North East India.	18	9
S. Sengupta	M.A., M.Phil & Ph.D (N.E.H.U)	Associate Professor	Indian Politics, w.s.r. to Northeast Politics.	UG - 3; PG - 20	6
M. Majumdar	M.A., M.Phil & Ph.D. (Jawaharlal Nehru University)	Associate Professor	South- East Asia.	27	5
B. Mohapatra	M.A. (Delhi University) M.Phil & Ph.D (JNU)	Assistant Professor	International Politics	17	5
S. Bhattacharjee	M.A., M.Phil & Ph.D(JNU)	Assistant Professor	International Politics	8.5	4

Table 3.130: Faculty Profile of the Department of Political Science.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

- Prof. John Harris of London School of Economics, London,
- Prof. G. Haragopal, formerly Dean, School of Social Sciences, Hyderabad University,





- Prof. S. Jacob George, formerly HoD, Political Science, Hyderabad University,
- Dr. Sashi Tharoor, Union Minister of State for External Affairs.(Distinguished Visitor),
- Prof. Ashwini Kumar Ray, former Professor of JNU, New Delhi,
- Prof. Manoranjan Mohanty, Professor (Retd.) of Delhi University, Delhi,
- Prof. Snehlata Panda, Professor (Retd.), Berhampur University, Orissa,
- Prof. Ashok Kumar Upadhyay, Department of Political Science, Banaras Hindu University, Varanasi,
- Prof. Nirja Jayal Gopal, JNU, New Delhi,
- Beth Payne, University of California, US Consulate General, and
- Dr. Bhagat Oinam, JNU, New Delhi.

13. Percentage of classes taken by temporary faculty-programme- wise information: *None*

14. Programme-wise Student Teacher Ratio: *10:1*

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	1(Steno)	1(Steno)
LDC/ TA	1	1
MTS/ Lab Asstt.	1(MTS)	1

16. Research thrust areas recognized by funding agencies: *Contemporary Issues in Indian Politics and Politics of North East India*

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Prof. R. K. Satpathy	UGC	4.00 approx.
	Prof. R. K. Satpathy	CSDS, Delhi	0.60 approx
<b>International</b>			
	-	-	-

18. Inter-institutional collaborative projects and grants received: *None*

a) All India collaboration:

b) International:

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

DRS-I SAP Project, Political Science Department, and  
Sanctioned ₹ 31,72,156/- and Pending ₹ 10,52,204/-



20. Research facility / centre with *None*
- State Recognition:
  - National Recognition:
  - International Recognition:
21. Special research laboratories sponsored by / created by industry or corporate bodies: *None*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	27	13	40
Monographs	24	-	24
Chapters in Books/Papers in conference proceedings	25	2	27
Edited Books	2	1	3
	2	3	5
Books with ISBN with details of Publishers	National: i. United States and Central America, Mittal Publications, ISBN 81-8324-361-4 ii. Radical Politics in Meghalaya - Problems and Prospects, New Delhi: Kalpaz Publication, 2009. ISBN:978-81-7835-742-3 International: i. Indigenous Peoples in Liberal Democratic States, Bauu Institute, Colorado 978-09820467-4-6 ii. Informatics for Peace & Development in South Asia : Perspectives of SAARC (ISBN 978-3-8473-2303-7) Publisher: LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Bocking-Str. 6-8 66121, Saarbrucken, Germany iii. New Information Technologies, India And The North-South Relations (ISBN 978-3-8473-3045-5) Publisher: LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Bocking-Str. 6-8 66121, Saarbrucken, Germany		
Number listed in International Database	-		
Citation Index - range/ average	-		
SNIP	-		
SJR	-		
Impact Factor - range/ average	-		
h-index	-		

Table 3.131: Detailed Publications of the Department of Political Science.

23. Details of patents and income generated: *NA*
24. Areas of consultancy and income generated: *NA*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*



26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Board</i>	
-	-
<i>Any other (Please specify)</i>	
-	-

27. Faculty recharging strategies:

- (a) Department organizes the Refresher courses and sponsors participation of teachers in the Refresher courses every year for the eligible faculty members.  
 (b) Refresher Course and Orientation Course.

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	100% students complete in house assignments within the dept and around 25 % students complete interdepartmental assignments as part of their open courses opted in those dept
% of students doing projects in collaboration with other universities / industry / institute	Nil

29. Awards / recognitions received at the national and international level by: Nil

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
S. Sengupta, Coordinator: UGC-SAP National Workshop on "Social Forces and Politics of Regionalism in North East India in the Dept. of Political Science, NEHU, Shillong during March 11-12, 2010.	ICSSR-NERC: ₹ 0.60/- Lakhs NEHU: ₹ 0.35/- Lakhs UGC-SAP: ₹ 1.00/- Lakhs	



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
Prof. R. Borgohain, Coordinator: UGC-SAP National Seminar on "Social Forces and Ethnic Politics in North East India" from 10-12 March 2011, Department of Political Science, NEHU, Shillong.	ICSSR-NERC: ₹ 0.50/- Lakhs NEHU: ₹ 0.50/- Lakhs ICSSR, New Delhi: ₹ 0.75/- Lakhs UGC-SAP: ₹ 1.00/- Lakhs	
Prof. K. Debbarma, Coordinator: UGC-SAP National Seminar on "Gender and Politics in North East India" on 20th and 21st March 2012, Department of Political Science, NEHU, Shillong.	ICSSR-NERC: ₹ 0.50/- Lakhs NEHU: ₹ 0.50/- Lakhs UGC-SAP: ₹ 1.00/- Lakhs	
B. K. Mohapatra: Organized National Seminar on Border Haats and Economic Development Of Meghalaya :Emerging Scenarios & Benefits, Date: 29-30th March 2012, Venue : Old Guest House, North-Eastern Hill University Campus , Shillong	Rs.60,000/- (ICSSR NERC)	
Srikanth, H., Coordinator UGC-SAP National Symposium on the theme, "Social Science Research on Northeast India: Practices, Problems and Prospects", organized by the department on 21-22 March, 2014	ICSSR-NERC: ₹ 0.70/- Lakhs NEHU: ₹ 0.50/- Lakhs UGC-SAP: ₹ 1.00/- Lakhs	
Srikanth, H., Coordinator UGC-SAP National Seminar on Socio-Political Dynamics in North-East India organized by the Department of Political Science, NEHU, Shillong at the Conference Hall of ICSSR-NERC, Shillong on March 25-26, 2013	ICSSR-NERC: ₹ 0.50/- Lakhs NEHU: ₹ 0.50/- Lakhs UGC-SAP: ₹ 1.00/- Lakhs	
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *As practised in University*

32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA MPhil PhD Post Doc. Fellow	244	26	26	16	21
2010-11 MA MPhil PhD Post Doc. Fellow	222	19	33	16	27
2011-12 MA MPhil	281	24	28	20	28



Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
PhD Post Doc. Fellow					
2012-13 MA MPhil PhD Post Doc. Fellow	277	20	32	19	26
2013-14 MA MPhil PhD Post Doc. Fellow	286	26	26	22	24

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA MPhil PhD Post Doc. Fellow	46	-	6	-
2010-11 MA/MSc MPhil PhD Post Doc. Fellow	47	-	5	-
2011-12 MA/MSc MPhil PhD Post Doc. Fellow	43	-	9	-
2012-13 MA/MSc MPhil PhD Post Doc. Fellow	38	-	14	-
2013-14 MA/MSc MPhil PhD Post Doc. Fellow	42	-	10	-

## 34. How many students have cleared Civil Services and Defence Services examinations, NET, SET,



GATE and other competitive examinations? Give details category-wise:

NET: JRF 8

Lecturership 41

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M.Phil.	18
PG to Ph.D.	34
Ph.D. to Post Doctoral	1
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	4	4	5	-
From other universities within the State	-	-	-	-
From universities from other States	6	6	5	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 1 (One).

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	SAP Library
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	3
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	1
<i>Research laboratories</i>	1

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	1	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
4	1	2	1	1



41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Yes.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Department regularly obtains feedback from students as per university rules..*
  - Alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Prof. John Harris of London School of Economics, London
  - Prof. G. Haragopal, formerly Dean, School of Social Sciences, Hyderabad University
  - Prof. S. Jacob George, formerly HoD, Political Science, Hyderabad University
  - Dr. Sashi Tharoor, Union Minister of State for External Affairs.(Distinguished Visitor)
  - Prof. Ashwini Kumar Ray, former Professor of JNU, New Delhi
  - Prof. Manoranjan Mohanty, retd. Professor of Delhi University,
  - Prof. Snehlata Panda, Retd Professor, Berhampur University, Orissa
  - Prof. Ashok Kumar Upadhyay, Department of Political Science, Banaras Hindu University, Varanasi
  - Prof. Nirja Jayal Gopal, JNU, New Delhi
  - Beth Payne, University of California, US Consulate General.
  - Dr. Bhagat Oinam, JNU, New Delhi
45. List the teaching methods adopted by the faculty for different programmes: *Teachers use Multimedia facility for teaching in classes and other academic programmes.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Through tutorials, seminars, presentations.*
47. Highlight the participation of students and faculty in extension activities: *Teachers and students do participated in NSS, Academic Curriculum development and Refresher/Orientation Programmes.*
48. Give details of “beyond syllabus scholarly activities” of the department: *The Department organizes lectures, talks, seminars regularly for the benefit of the students and faculties.*



49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *The Department is NAAC accredited.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *The Department regularly discusses the findings of Ph.D. and M.Phil. theses of students in large meetings amongst the student scholars and teachers.*
51. Future plans of the department: *The Department has proposed to open up Centre for Women Studies for encouraging research and teaching on Gender.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Well trained faculty organised Regular Activities, Seminars, Workshops, Lectures by eminent scholars
- Weaknesses:**
- Unfilled vacancy of Faculty positions hampers offering of new and variety of courses.
- Opportunities:**
- Scope for setting up of specialised research centres as we have specialised faculty.
- Challenges:**
- Non sanctioning of faculty positions for new courses to be offered as per UGC Syllabus.





### 3.38 Department of Sociology

1. Name of Department : SOCIOLOGY
2. Year of establishment : 1976
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Social Sciences
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.A., M.Phil. and Ph.D
5. Interdisciplinary courses and departments involved : Open Courses
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : None
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester
9. Participation of the department in the courses offered by other departments. : Yes
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	3	-
Associate Professor	4	1
Assistant Professor	4	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
C. L. Imchen	M.A., M.Phil., Ph. D. (JNU);	Professor	Political Sociology; Polity Formation and Indigenous Peoples		



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Lanu Aier,	M.A., M. Phil., Ph. D. (NEHU);	Professor	Political Sociology; Polity Formation and Indigenous Peoples Political Sociology; Sociology of Religion; Ethnic Relations		
A. K. Nongkynrih,	M.A., M. Phil., Ph. D. (NEHU);	Professor	Sociology of Kinship and Marriage; Sociology of Organisations, Sociology of Rural Development		
D. V. Kumar,	M.A., M. Phil., Ph.D. (JNU);	Professor	Sociology of Modernisation and Ethnicity		
B. Panda.	M.A., M.Phil. (Hyd.), Ph. D. (IIT/ Kanpur);	Associate Professor	Sociology of Development; Voluntary Organisations, NGOs		
Rekha M. Shangpliang, M.A.,	M.A., M. Phil., Ph.D. (NEHU);	Assistant Professor	Sociology of Environment		
Md. Yusuf Khan,	M.A. (AMU), M. Phil. (DU)	Assistant Professor	Family, Kinship & Marriage, Urban Sociology		

Table 3.132: Faculty Profile of the Department of Sociology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: The following Sociologists were brought over to deliver lectures to the MA/PhD students under the SAP-DRS-III Programme:-
- Prof. Avijit Pathak of Jawaharlal Nehru University, New Delhi delivered a talk on *Engaging with Sociological Theory* (September, 2009).
  - Prof. R. K. Jain, Professor Emeritus of Jawaharlal Nehru University, New Delhi delivered a talk on *Diaspora, Trans-Nation and Nation* (September, 2009).
  - Prof. Mita Bhadra of North Bengal University, Siliguri delivered a number of lectures on *Emergence of an Environmental Sociology, Women and Environment and Preference and Gender Bias in Society* (March 25-26, 2010).



- (d) Prof. Anup Dash of Utkal University, Bhubaneswar delivered lectures on the *Social Limit to Development and Environment and Development* (March 25-26, 2010).
- (e) Prof. Ranajit Bhadra of North Bengal University, Siliguri delivered a lecture on *Ethnicity in North-East India* (March 26, 2010).
- (f) Prof. B. K. Pattnaik, IIT Kanpur visited the Department and delivered a lecture on *Contemporary Tribal Resistance Movement in Orissa* (March 4, 2011).
- (g) Prof. N. Jayaram, Tata Institute of Social Sciences, Mumbai visited the Department on March 14, 2010. He delivered a lecture on *Political Sociology of Indian Diaspora*.
- (h) Prof. K. L. Sharma, Vice-Chancellor, Jaipur National University, Jaipur visited the Department during March 14-16, 2011. He delivered lectures on the following dates: March 15, 2011: *Rural Development in India*. March 16, 2011: (i) *Inter Disciplinary Approach in Social Sciences*; (ii) *Social Justice in India*; (iii) *Rural Development in India*.
- (i) Dr. Ananta Kumar Giri of Madras Institute of Development Studies, Chennai visited the Department during March 27-28, 2012 and delivered two lectures on *Sociological Theories and Sociology of Development*.
- (j) Prof. Balgovind Baboo, Utkal University, Bhubaneswar delivered two lectures on *Displacement of Tribal and Marginal Peoples by the Construction of Dams* and also on *A Critique of Development Paradigms* (March 20-21, 2013).
- (k) Prof. Mita Bhadra of North Bengal university delivered three lectures on *Gender Issues* on March 26, 2014.
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil*.
14. Programme-wise Student Teacher Ratio: *123:7*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	1	-
MTS/ Lab Asstt.	1	1

16. Research thrust areas recognized by funding agencies: *Social Change*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-



18. Inter-institutional collaborative projects and grants received:  
 a) All India collaboration: *None*  
 b) International: *None*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *UGC-SAP(DRS) Phase III - (2009-2014) ₹ 30 lacs*
20. Research facility / centre with  
 State Recognition: -  
 National Recognition: -  
 International Recognition: -
21. Special research laboratories sponsored by/ created by industry or corporate bodies:
22. Publications: (Detailed List of publications to be provided to the visiting team) *in Last three years*

	National	International	Total
<b>Number of papers published in peer reviewed journals (national/ international)</b>	10	2	12
<b>Monographs</b>	-	-	-
<b>Chapters in Books/Papers in conference proceedings</b>	11	0	11
<b>Edited Books</b>	02	-	02
<b>Books with ISBN with details of Publishers</b>	-	-	-
<b>Number listed in International Database</b>			
<b>Citation Index - range / average</b>			
<b>SNIP</b>		-	
<b>SJR</b>		-	
<b>Impact Factor - range / average</b>			
<b>h-index</b>			

Table 3.133: Detailed Publications of the Department of Sociology.

23. Details of patents and income generated:
24. Areas of consultancy and income generated:
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Nil*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Board</i>	
-	-



Name of Faculty	Name of Committee
<i>Any other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Refresher Courses, SAP-DSA Projects.*

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	
% of students doing projects in collaboration with other universities / industry / institute	

29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
	-	-	-	-	
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
National seminar on Socio-cultural Dimensions of Ecology: The context of North East India on 14th and 15th October, 2009. The conveners of the seminar were Dr. Rekha M. Shangpliang and Dr. D.V. Kumar	UGC	-
National seminar on Voluntary Sector, Civil Society and Social Transformation in India on 18th - 19th November, 2009. Dr. B. Panda was the convener of the seminar.	UGC	-
National Symposium titled Ethnic Identity and Political Processes in the Context of Change in North East India on 29th March, 2010. Dr. I.L. Aier was the convener of the symposium.	UGC	-
National Seminar on "Development and Ecology: Issues and Perspectives"; 21st and 22nd March, 2011 (Convener: Dr. B. Panda)	UGC	-
Workshop on the "Teaching of Sociology at the Undergraduate Level"; 25th March, 2011 (Coordinator: Dr. I.L. Aier)	UGC	-



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
The Department organised, under the UGC-SAP-DRS Phase-III, National Seminar on Modernity and Ethnic Processes in India on 14th and 15th March, 2012. Convener: Dr.D.V.Kumar	UGC	-
Under the SAP-DRS Programme the Department organized a National Symposium on Marginalization, Communalism and Religion on 15th March, 2013 (Convener: Prof.I.L.Aier) in which Professor Rajni Palriwala, Department of Sociology, University of Delhi and Professor Rowina Robinson of Tata Institute of Social Research, Mumbai were the resource persons.	UGC	-
A symposium on "Social Dimensions of Tribal Development in the North East" was organised on 14th March, 2014. Convener: Prof. A.K. Nongkynrih	UGC	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA MPhil PhD	125	17	33	-	-
2010-11 MA MPhil PhD	124	10	40	-	-
2011-12 MA MPhil PhD	302	14	36	-	-
2012-13 MA MPhil PhD	220	13	33	-	-
2013-14 MA MPhil PhD	274	8	42	-	-

33. Diversity of students:



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA MPhil PhD	-	-	-	-
2010-11 MA MPhil PhD	-	-	-	-
2011-12 MA MPhil PhD	58	56	60	-
2012-13 MA MPhil PhD	60	58	40	-
2013-14 MA MPhil PhD	58	56	60	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: 48.

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG to Ph.D.	5%
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	3	3	3	-
From other universities within the State	-	-	-	-
From universities from other States	4	4	3	
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:



*Nil.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	SAP-DRS Library
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	-
<i>Research laboratories</i>	-

39. List of doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	i. Kuheli Das ii. Letminlun Khongsai iii. Soibam Teinkoo
2010-11	-	-
2011-12	-	i. Ms P.R. Dimchuiliu, ii. Ms Kajal Pradhan, iii. Mr. Mridu Pawan Bania, iv. Ms Hormila G. Zingkhai, v. Ms Vijanti Namchoom
2012-13	i. Mr. Thang Sian Mung, ii. Ms Sanbanielyne Ryndem, iii. Ms Moupali Deb, iv. Ms Sandra Adriana Khonglah, v. Mr. Edilbert Osmond Sohtun	i. Ms Lalmalsawmi Hlondo, ii. Ms Chamgailiu Gonmei.
2013-14	i. Thanggoulen Kipgen, ii. Ms Davina Diengdoh Ropmay, iii. Mr. Anand SV Nengnong	i. Md. Yusuf Khan, ii. Ms Jungam Kamduk,

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *No*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes.*

c. Alumni and employers on the programmes offered and how does the department utilize the





feedback?

*Yes, consider and analyse the feedbacks for future progress.*

43. List the distinguished alumni of the department (maximum 10):
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Seminars, Symposium, Special Lectures and workshops are organised frequently under SAP-DRS Scheme.*
45. List the teaching methods adopted by the faculty for different programmes: *Oral Lectures, Power-point presentations using ICT and using black boards.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*By assessing students through class tests, home assignments, students seminars and semester exams..*
47. Highlight the participation of students and faculty in extension activities: *Participate*
48. Give details of “beyond syllabus scholarly activities” of the department:
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *It has since its inception, contributed to the development in the hill areas and people, as envisaged in the NEHU acts.*
51. Future plans of the department: *It is to make it a sense of development oriented department of society and the region.*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
  - Strengths:**
    - All faculty and staff are competent and efficient and forward looking.
  - Weaknesses:**
    - Request more faculty
  - Opportunities:**
    - To able to induct more P.G. students and Research Scholars
  - Challenges:**
    - To able to induct more P.G. students and Research Scholars



## School of Technology

### 3.39 Department of Architecture

1. Name of Department : ARCHITECTURE
2. Year of establishment : 2013
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : UG
5. Interdisciplinary courses and departments involved : Not yet
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments. : No
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	4	0
Assistant Professor	5	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
B. Swer	M Arch	Asst.Professor	Urban Design	7 years	-
I. B. Tiewsoh	M.Des.	Asst.Professor	Product Design	2 years	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
R Gazi	M.L.Arch	Asst.Professor	Landscape Design	2 years	-

Table 3.134: Faculty Profile of the Department of Architecture.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *No*
13. Percentage of classes taken by temporary faculty-programme- wise information: 10%
14. Programme-wise Student Teacher Ratio: 8:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO		-
UDC/STA		Contractual
LDC/TA		Contractual
MTS/Lab Asstt.		Contractual

16. Research thrust areas recognized by funding agencies: *No*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received
  - (a) All India collaboration: *No*
  - (b) International: *No*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *No*
20. Research facility/center with Recognition: State/National/International:
  - State Recognition: *Nil*
  - National Recognition: *National Aptitude Test In Architecture (N.A.T.A) Test Centre*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by/created by industry or corporate bodies: *No*



## 22. Publications: (Detailed List of publications to be provided to the visiting team)

	Total	National	International
Number of papers published in peer reviewed journals (national/ international)	-	-	-
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	-	-	-
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	-
Number listed in International Database			
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

23. Details of patents and income generated: *NA*24. Areas of consultancy and income generated: *NA*25. Faculty selected nationally/internationally to visit other laboratories in India and abroad: *NA*

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Orientation Courses and Summer programmes.*

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	<i>NA</i>
% of students doing projects in collaboration with other universities / industry / institute	<i>NA</i>

29. Awards / recognitions received at the national and international level by: *NA*



Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: *NA*

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *NA*

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 B.Arch.	-	-	-	-	-
2010-11 B.Arch.	-	-	-	-	-
2011-12 B.Arch.	-	-	-	-	-
2012-13 B.Arch.	-	-	-	-	-
2013-14 B.Arch.	-	-	-	-	-

*Started B.Arch. Programme from 2014 - 15 onwards.*

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 B.Arch.	-	-	-	-
2010-11 B.Arch.	-	-	-	-
2011-12 B.Arch.	-	-	-	-
2012-13				



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Arch.	-	-	-	-
2013-14 B.Arch.	-	-	-	-

*Started B.Arch. Programme from 2014 - 15 onwards.*

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *NA*
35. Student progression: *NA*

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	-	-
From other universities within the State	-	-	-	-
From universities from other States	-	3	-	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D. during the assessment period: *NA*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	5
<i>Research laboratories</i>	-

39. List of doctoral students and Research Associates:

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-



2011-12	-	-
2012-13	-	-
2013-14	-	-

40. Number of post graduate students getting financial assistance from the university: *NA*

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Regular consultation is done for development of new courses in consultation with experts from other universities and institutions. NA*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Feedbacks and observations made by the Inspection Team members from the Council of Architecture has been incorporated both in the teaching-learning process and also in developing the course and infrastructure of the Department.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10): *NA*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Special Lectures*

45. List the teaching methods adopted by the faculty for different programmes:

(a) White Board

(b) Audio Visualization Class

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Review of students sessional works every two weeks and Faculty meeting every month on learning outcomes.*

47. Highlight the participation of students and faculty in extension activities: *Indian Green Building Council Students Chapter.*

48. Give details of "beyond syllabus scholarly activities" of the department: *NA*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give



details: *No*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *NA*

51. Future plans of the department:

*Department Of Architecture: Vision*

The Department of Architecture is a diverse community of practitioners, teachers, and students dedicated to educating future architectural professionals and growing the knowledge base of the profession. Our commitment is to engage architecture in its civic, social, and professional realms for the ultimate benefit of the built environment and those who use it.

The Vision of the University of NORTH EASTERN HILL UNIVERSITY, Department of Architecture fits within the larger VISION of the University. North-Eastern Hill University was set up by an Act of Parliament and notified on 19th July 1973. The objectives of the University, as laid down in the act, are "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the North-eastern region, and in particular, the intellectual, academic and cultural advancement".

The jurisdiction of the University extended originally to the states of Meghalaya and Nagaland and the erstwhile Union Territories of Arunachal Pradesh and Mizoram.

The Department of Architecture views its VISION as part of the University's commitment as a Central University dedicated to public purpose and influence. It shares the vision expressed in the University motto, Rise Up and Build.

The Department of Architecture with its 5 years B. Arch Undergraduate programme which started in the academic session 2014-15 with intake of 40 (forty) students and gradually would increase the intake with the consent of the council of Architecture within the 5yrs Programme. For the first 5 yrs the Department and the Teaching and Non Teaching staff would give full commitment in uplifting the under graduates programme and the Department as a whole, and also with the increase in the Faculty strength, The Department Of Architecture with the blessings of the University and the council would like to start with the Master programme in various specialized discipline such as,

<b>M. Arch. Programme</b>	<b>M.Plan. Programme</b>	<b>Management Programme</b>
<ul style="list-style-type: none"> <li>● Urban Design</li> <li>● Landscape Architecture</li> <li>● Product Design</li> <li>● Conservation</li> <li>● Sustainable Architecture</li> </ul>	<ul style="list-style-type: none"> <li>● Urban Planning</li> <li>● Environmental Planning</li> <li>● Housing Planning</li> <li>● Transport Planning</li> </ul>	<ul style="list-style-type: none"> <li>● Project Management</li> <li>● Construction Management</li> <li>● Disaster Management</li> </ul>

The Department of Architecture in the long run would thus move forward with the objectives of the University ie to disseminate and advance knowledge by providing instructional and research facilities and PhD programmes and live up to the "motto Rise UP and Build".





52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- The First Architecture Department in the North East established by a Central University. Opportunity to all the North East Youth to enhanced their skills and creativity through the Architectural Profession. Bringing out more Future Architects Professional for an organised and better living lifestyle and a develop a liveable place both in the rural and urban India.

**Weaknesses:**

- Need to enhanced more connectivity between mainland India and the North Eastern region and Collaboration with Foreign universities.

**Opportunities:**

- Exchange programmes with other Indian and Foreign Universities.

**Challenges:**

- Achieving the Aims and Goals of the Department and the University.



### 3.40 Department of Basic Sciences and Social Sciences

1. Name of Department : Basic Sciences and Social Sciences
2. Year of establishment : 2006
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : Ph.D.
5. Interdisciplinary courses and departments involved : No full-fledged programme/course leading to a degree by the Department. However, the teachers of the Department are teaching Engineering Physics, Engineering Chemistry, Engineering Mathematics, Elements of Environmental Science, Fundamentals of Biotechnology, Statistics, Commerce and Communication Skills appearing in the B. Tech. Curricula of the Department of ECE, IT, BME and EN, School of Technology at the moment.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Nil
9. Participation of the department in the courses offered by other departments. : Yes. Participating in the Ph. D. Programmes under the BPGSs's of related/parent departments of other Schools
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):
 

Designation	Sanctioned	Filled
<b>Professor</b>	Nil	1 (Transferred fromUSIC)
<b>Associate Professor</b>	Nil	3 (Transferred from Mizoram)
<b>Assistant Professor</b>	11	12 (1 Transferred from Mizoram)
11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Prof. P. V. Koparkar	M. Sc., Ph. D. (N.U.)	Professor	Physics (Instrumentation/ Atmospheric Sciences/Nano-materials)	17	2
Dr. A. K. Das	M.Sc. (IIT, Kgp), Ph.D. (CU)	Associate Professor	Physics (Theoretical Physics, Environmental Radioactivity)	29	Nil
Dr. M. M. Singh	M.Sc. (BhU), Ph.D. (PU)	Associate Professor	Mathematics (Number Theory, Algebraic Number Theory, Numerical Analysis, Discrete Mathematics)	23	2
Dr. A. Sinha	M.Sc. (LU), Ph.D. (NEHU)	Associate Professor	Chemistry (Physical)	23	Nil
Dr. M. D. Kushwaha	M.A. (BHU), Ph.D. (BHU)	Assistant Professor	Mathematics	31	Nil
Dr. Hiranjit Choudhury	M.Sc. (NEHU), Ph.D. (NEHU)	Assistant Professor	Botany (Plant Biotechnology)	12	1
Dr. Regenel S. Kharwanlang	M.Sc. (NEHU), Ph. D. (NEHU)	Assistant Professor	Physics (Theoretical Physics)	12	Nil
Dr. Phrangstone Khongjee	M.Sc. (NEHU), Ph. D. (NEHU)	Assistant Professor	. Statistics (Sampling Theory and Demography)	13	Nil
Dr. Krishna Upadhaya	M.Sc. (NEHU), Ph.D. (NEHU)	Assistant Professor	Botany (Plant Ecology)	7	4
Dr. (Mrs.) Jyoti Narayan	M.Sc. (KU), M. Phil. (KU), Ph.D. (KU)	Assistant Professor	Chemistry (Analytical/ Nanoscience and Nanomaterials.)	7	2



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D/ M. Phil. students guided for the last 4 years
Dr. Jibitesh Dutta	M.Sc. (NEHU), Ph. D. (NEHU)	Assistant Professor	Mathematics	12	2
Shri Sainkumar M. N. Mawiong	M.Sc.; M. Phil. (NEHU)	Assistant Professor	Mathematics	9	Nil
Smt. Evapynhun Giri	M.A. (NEHU), M. Phil. (EFLU)	Assistant Professor	English	7	Nil
Dr. R. S. Singh	M.Sc. (Jadavpur University), Ph.D (CSIR-IICT, Osmania University)	Assistant Professor	Chemistry (Organic/Bio-organic/ Soft materials)	2	Nil
Dr. M. Mahato	M. Sc. (Burdwan University), Ph. D. (Calcutta University)	Assistant Professor	Physics (Thin film/ Molecular Spectroscopy/ Nanobiotechnology)	2	Nil
Dr. Munshi Ram	M.Com(VBSPU), Ph.D. (BHU)	Assistant Professor	Commerce-HRM (Human Resource Management)	2	Nil

Table 3.135: Faculty Profile of the Department of Basic Sciences and Social Sciences (BSSS).

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Prof. P. V. Koparkar, Head, USIC was an adjunct Professor in this Department from 2009-2012.*
13. Percentage of classes taken by temporary faculty-programme- wise information: *Nil.*
14. Programme-wise Student Teacher Ratio: *Not Applicable*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	Nil
UDC/ STA	Nil	2 (contractual)
LDC/ TA	Nil	1/1 (contractual)
MTS/ Lab Asstt.	Nil	1 (contractual)

16. Research thrust areas recognized by funding agencies: *Environmental Radioactivity, Analytical Chemistry, Biotechnology, Environmental sciences.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received



project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
<b>National</b>			
Measurements of radionuclides and trace elemental concentrations and their transfer factors in environmental matrices around the proposed uranium mining, milling and tailing pond site at K.P Mawthabah (Domiasiat), West Khasi Hills, Meghalaya	Dr. A. K. Das (as Co-PI) Dr. J. Narayan (as Co-PI)	DAE, GOI	69.17
Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools	Dr. H. Choudhury (as Co-PI)	DBT, GOI	103.2985
Phytochemical profiling, molecular characterization and conservation of <i>Flemingia vestita</i> : Endemic medicinally important plant of Northeast India	Dr. H. Choudhury (as Co-PI)	DBT, GOI	30.39
Micropropagation of <i>Nardostachys grandiflora</i> and <i>Malaxis wallichii</i> , two threatened medicinal plants of Northeast India	Dr. H. Choudhury (as Co-PI)	DBT, GOI	28.05
Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools	Dr. K. Upadhaya (as Co-PI)	DBT, GOI	82.578
<b>International</b>			
-	-	-	-

Table 3.136: No. of faculty with ongoing projects in the Department of BSSS.

18. Inter-institutional collaborative projects and grants received:
  - (a) All India collaboration: *Nil*
  - (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Not applicable so far as the Department do not have teaching programme of its own.*
20. Research facility / center with Recognition :
  - State Recognition: *Not at the moment.*
  - National Recognition: *Not at the moment.*
  - International Recognition: *Not at the moment.*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil.*
22. Publications: (Detailed List of publications to be provided to the visiting team)



	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	10	22	32
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	4	-	4
Edited Books	-	2	2
Books with ISBN with details of Publishers	-		
Number listed in International Database	-		
Citation Index - range / average	-		
SNIP	-		
SJR	-		
Impact Factor - range / average	0.04 to 3.041		
h-index	-		

Table 3.137: Detailed Publications of the Department of BSSS.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Dr. (Mrs.) Jyoti Narayan under DST Faculty Upgradation Programme to JNU, New Delhi, India from 14<sup>th</sup> January to 13<sup>th</sup> February 2009.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. P. V. Koparkar	Executive member, Instrumentation Society of India, National Committee on Instrumentation (2010-2012)
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
Dr. Hiranjit Choudhury	Academic Journals Online (AJO)
<i>Any Other (Please specify)</i>	
Dr. Krishna Upadhaya	State Biodiversity Board, Meghalaya

Table 3.138: Faculty of the Department of BSSS Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies: *Nil*.
28. Students' Projects:

% of students who have done in-house projects including inter-departmental projects	-
-------------------------------------------------------------------------------------	---



% of students doing projects in collaboration with other universities / industry / institute	-
----------------------------------------------------------------------------------------------	---

29. Awards / recognitions received at the national and international level by: *Nil*

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any: *Nil*

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *As normally followed*

32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MA/MSc PhD	-	-	-	-	-
2010-11 MA/MSc PhD	-	-	-	-	-
2011-12 MA/MSc PhD	-	-	-	-	-
2012-13 MA/MSc PhD	†	1	-	-	-
2013-14 MA/MSc PhD	†	2	-	-	-

† Applications are received at parent Departments.



## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MA/MSc PhD	-	-	-	-
2010-11 MA/MSc PhD	-	-	-	-
2011-12 MA/MSc PhD	-	-	-	-
2012-13 MA/MSc PhD	-	-	100	-
2013-14 MA/MSc PhD	-	-	100	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Nil*35. Student progression: *Nil*

Student progression from - to -	Percentage against enrolled
UG to PG	
PG to M. Phil.	
PG/M.Phil. to Ph.D.	
Ph.D. to Post Doctoral	
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	
<input type="checkbox"/> Others	
Entrepreneurs	

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university		44	38	50 (M. Phil)
from other universities within the State				
from universities from other States		56	50	50 (M. Phil)
from universities outside the country				

## 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 4





38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Central Library
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	2
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	4 (Engg. Physics, Basic Electronics, Basic Mechanical, Engg. Chemistry)
<i>Research laboratories</i>	9

39. List of doctoral, post-doctoral students and Research Associates

Year	From the host University			From Other Universities		
	Doc.	Post Doc.	RA	Doc.	Post Doc.	RA
2009-10	-	-	-	-	-	-
2010-11	-	-	-	-	-	-
2011-12	-	-	-	-	-	-
2012-13	-	-	-	1	-	-
2013-14	-	-	-	2	-	-

Note: *Doc.* - Doctoral Students, *Post Doc.* - Post Doctoral Students, and *RA* - Research Associates.

40. Number of post graduate students getting financial assistance from the university: *Nil*

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Nil*

42. Does the department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
- Alumni and employers on the programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10): *Nil*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Not Applicable*

45. List the teaching methods adopted by the faculty for different programmes: *White board, Over-head Projector, Power point with LCD projection system and handouts.*



46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

*Through mid-term test and assignments.*

47. Highlight the participation of students and faculty in extension activities: *Faculties are involved in facilitating extension activities like DST-INSPIRE etc.:-*

- (a) One of the faculties Prof. P.V. Koporkar has been coordinating University/UGC/ Programmes such as Remedial Coaching Schemes for SC/ST/OBC/minority students since March 2010. Coordinator for EDUSAT Programme on behalf of the University. Coordinator for Basic Facilities for Women 2010 to 2012 (XI Plan Merged Scheme).
- (b) The Department organized one week training programme for the Coordinators from different parts of North eastern region in collaboration with National Consortium on Education, New Delhi in September 2012 and October 2013.
- (c) The Department conducted one Workshop in collaboration with WRIC, Mumbai, in September 2013 to train technical staff from affiliated colleges of NEHU.

48. Give details of “beyond syllabus scholarly activities” of the department: *Research activities in various areas are carried out by the faculty of the Department.*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *Not Applicable*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Faculties are actively involved in their respective subjects/fields of research.*

51. Future plans of the department: *The Department would like to have its own courses by offering multidisciplinary Course to the students in the region and grow as any other Department in the University where besides generating skilled men power in the subject such as Material Science which is very applications oriented course. The students of this course will have better job opportunity in the market.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- One of the largest Departments in the University in terms of Faculty strength,
- Heterogeneous group of faculties belonging to the multiple subjects,
- High diversity in the Academic Specialization of the Faculty, and
- Potential for multi- and inter-disciplinary collaborative researches

**Weaknesses:**

- The Department as such do not offer any course leading to any Academic Degree,
- No students of its own despite being a full-fledged Department in the University,
- No Academic start up/seed money for new faculty,
- No higher faculty positions given in the last two plans, and



- No permanent office and technical staffs.

**Opportunities:**

- Each subject can grow as a full-fledged stream/department for the Academic and Research excellence.

**Challenges:**

- Offering courses in the respective subjects under the ambit of the Department leading to Post Graduate Degrees,
- Strengthening of core subject teaching and research programmes in the constituent disciplines of the Department, and
- Starting an interdisciplinary PG course involving all the faculties of the Department.



### 3.41 Department of Biomedical Engineering

1. Name of Department : Biomedical Engineering
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : UG (Bachelor of Technology in Biomedical Engineering)
5. Interdisciplinary courses and departments involved : Department of Basic Sciences and Social Sciences (SOT, NEHU, Shillong) takes care of basic courses of the department in first year. Faculties from Electronics and IT, SOT take few interdisciplinary courses in the Department during the 4 year B.Tech program.
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments. : Yes, faculties are teaching specialized subjects in other departments of the University.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	4	1
Assistant Professor	5	5

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Dinesh Bhatia	PDF (USA); Ph.D. (Biomedical Engg.); M.E.,B.E. (Biomedical Engg.), M.B.A. (Dual Spl.)	Associate Professor & Head	Biomechanics and Rehabilitation Engineering, Biomedical devices and signal processing	11	02 (in progress)
Mr. Nitin Sahai	M.Tech. (Biomedical Engg.); B.Tech. (Biotechnology)	Assistant Professor	Biomechanics & Biomaterials	3	Nil
Mr. SudipPaul	Ph.D* (Biomedical Engg.); M.Tech. (Biomedical Engg.); B.Tech (Biomedical Engg.)	Assistant Professor	Electrophysiology, Biomedical Instrumentation, Artificial Organ and Rehabilitation system	2	Nil
Dr. Manashjit Gogoi	PhD (Biomedical Engg.); M.Tech. (Bioelectronics); B.E. (Chemical Engg.)	Assistant Professor	Bio nanotechnology, Nano medicine, Cancer drug delivery and hyperthermia, Biomaterials	3	Nil
Mr. Gajendra Kumar Mourya	Pursuing Ph.D (CSIR-CSIO Chandigarh); M. Tech (Biomedical Engg.); B.E. (Biomedical Engg., SATI Vidisha)	Assistant Professor	Medical Image and signal Processing	2	Nil



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mr. Shyamal Mandal	Pursuing Ph.D. in IIT-Kharagpur M-Tech (Medical Imaging and Image Analysis); B.Tech. (Biomedical Engg.)	Assistant Professor	Medical image processing, Nanotechnology, Biomaterials	2	Nil

Table 3.139: Faculty Profile of the Department of Biomedical Engineering.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:
  - (a) Prof. D. N. Tibarewala, Jadavpur University, Kolkatta, WB
  - (b) Prof. S. Dandapat, IIT, Guwahati
  - (c) Prof. A. R. Ray, IIT-BHU, Varanasi, UP.
13. Percentage of classes taken by temporary faculty-programme- wise information: *20% classes of B. Tech (Biomedical Engineering) are taken by temporary guest faculty. 80% are taken by regular University faculty.*
14. Programme-wise Student Teacher Ratio: *20:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA	0	0
LDC/ TA	0	0
MTS/ Lab Asstt.	0	0

16. Research thrust areas recognized by funding agencies: *Medical Electronics, Biomedical signal processing, Prosthetic, Bionanotechnology, Nanomedicine, Nano Biosensor design, Medical Image Processing.*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
National			



Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Rs. Lakh)
	Dr. Dinesh Bhatia	DST, Ministry of Science and Technology, Govt. of India	₹ 42.91 /- lakhs
	Dr. Dinesh Bhatia	SEED Division, DST, Ministry of Science and Technology, Govt. of India.	₹ 48.50 /- lakhs
	Mr. Nitin Sahai, Mr. Sudip Paul, Dr. Dinesh Bhatia	DBT, Ministry of Science and Technology, Govt. of India.	₹ 32.78/- lakhs
	Dr. Dinesh Bhatia	ACNE-14, NBRC & DBT, Ministry of Science and Technology, Govt. of India.	₹ 5.00 lakhs
<b>International</b>			
-	-	-	-

Table 3.140: Ongoing projects in the Department of Biomedical Engineering.

## 18. Inter-institutional collaborative projects and grants received:

## (a) All India collaboration:

DCRUST Murthal, Haryana,  
AIIMS, New Delhi,  
IIT, Delhi,  
NEIGHRIMS, Shillong, and  
NGO Udaan for disabled

## (b) International: Nil

## 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

Name of the project	Funding Agency	Total Grants (in lakh ₹)
---------------------	----------------	--------------------------



Dr. Dinesh Bhatia	DST, Ministry of Science and Technology, Govt. of India	42.91
Dr. Dinesh Bhatia	SEED Division, DST, Ministry of Science and Technology, Govt. of India	48.5
Mr. Nitin Sahai, Mr. Sudip Paul, Dr. Dinesh Bhatia	DBT, Ministry of Science and Technology, Govt. of India	32.78
<b>Total</b>		124.19

20. Research facility / center with Recognition: *Nil*

- State Recognition:
- National Recognition:
- International Recognition:

21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil*

22. Publications: (Detailed List of publications to be provided to the visiting team)

	Total	National	International
<b>Number of papers published in peer reviewed journals (national/ international)</b>	-	-	3
<b>Monographs</b>	3	-	-
<b>Chapters in Books/Papers in conference proceedings</b>	35	-	-
<b>Edited Books</b>	Nil	-	-
<b>Books with ISBN with details of Publishers</b>	01 (under publication) PHI, India		
<b>Number listed in International Database</b>	Nil		
<b>Citation Index - range / average</b>	10		
<b>SNIP</b>	-		
<b>SJR</b>	-		
<b>Impact Factor - range / average</b>	3-5		
<b>h-index</b>	3		

Table 3.141: Detailed Publications of the Department of Biomedical Engineering.

23. Details of patents and income generated: *Nil*

24. Areas of consultancy and income generated: *Nil*

25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:





*Dr. Dinesh Bhatia:* IIT Delhi, FIU USA, University of Glasgow, Scotland, IISC Bangalore, AIIMS New Delhi, NEIGHRIMS-Shillong, DCRUST Murthal, NIT-Meghalaya, IIT-Roorkee, Jamia Millia Islamia University, MNNIT, Allahabad

*Mr. Sudip Paul:* University of Starsburge, University of Capetown, CDRI-Lucknow, IIT-Bombay, Jadavpur University, IIT-BHU, IMS-BHU, IIT-Kharagpur, IIT-Guwahati

*Dr. Manashjit Gogoi:* IIT-Bombay, IIT-Guwahati, CFTRI-Mysore, NEIST-Jorhat, Tezpur University, CGCRI-Kolkata, IISc-Bangalore, MIT-Manipal, NEIGRHMS-Shillong

*Mr. Shyamal Mondal:* NEIGRHMS-Shillong, IIT- Guwahati, IIT-BHU Varanasi, MNNIT-Allahabad, Jadavpur University Kolkata, BARC, IIT- Kharagpur, IIT-Bombay, IIT-Roorkee.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies:

- Workshops are arranged in the subject area by the Department regularly.
- Staff attending refresher and orientation courses at UGC Academic Staff College in NEHU, Shillong and other parts of the country.
- Faculty encouraged and promoted to attend conferences, seminars, workshops at different forums nationally and internationally to stay abreast with latest in the field.
- Experts lectures from renowned faculty, industries and researchers organized by the Department on regular basis.
- Huge number of journals and high quality books are available in the Department and NEHU central library.
- Recently purchased E-learning software in biomedical engineering and related field in the department for the benefit of faculty and students.

28. Students' Projects:



% of students who have done in-house projects including inter-departmental projects	Nil
% of students doing projects in collaboration with other universities / industry / institute	Nil

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. Dinesh Bhatia			02 (INAE & Boyscast)		01 (ICMR)
Dr. M. Gogoi	01	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
"ADVANCES IN COMPUTATIONAL NEUROSCIENCE" Initiatives on Neuro-informatics and Computational Neuroscience Education (INCNE),	DBT, Government of India in collaboration with National Brain Research Centre (NBRC), Gurgaon, Manesar, Haryana	30
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *Ethics followed for animal & human studies and others followed by standard research laboratories globally*32. Student profile course-wise: *NA*

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 B.Tech.					
2010-11 B.Tech.					
2011-12 B.Tech.					
2012-13 B.Tech.					



Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2013-14 B.Tech.					

33. Diversity of students: *NA*

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 B.Tech	-	-	-	-
2010-11 B.Tech	-	-	-	-
2011-12 B.Tech	-	-	-	-
2012-13 B.Tech	-	-	-	-
2013-14 B.Tech	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Nil; as B.Tech. program is currently on going in 2nd year.*

35. Student progression: *NA*

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	Nil	Nil	Nil	
from other universities within the State	Nil	Nil	Nil	
from universities from other States	6	6	2	
from universities outside the country	-	-	-	1(PDF)

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: *02*



(PhD)

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Central Library facility, all latest edition course books are available as well as access of reputed journals, science magazine.
<i>Internet facilities for staff and students</i>	NKN broadband facility supported by BSNL to all faculty and 04 Department laboratories and 04 classrooms.
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	2
<i>Students' laboratories</i>	4
<i>Research laboratories</i>	2

39. List of doctoral, post doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	3 (RA & JRF)

40. Number of post graduate students getting financial assistance from the university: *NA*

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes, the same was undertaken by the University in consultation with UGC and MHRD. The need for starting a new course, manpower and resource availability studies, infrastructure availability were done in 2011-12 prior to commencing of the new program in SOT.

Facility available and infrastructure, source of funding, need for the course, Curriculum designed as per the latest industrial requirements.

There exist 17 faculty & office rooms, 04 B.Tech laboratories, 02 Research Laboratories, 07 classrooms all with requisite infrastructure and internet connectivity. Source of funding is from UGC and other funding bodies of the Govt. of India. Curriculum is designed in consultation with experts and University Academic council based on market scenario and industry requirements.

Multidisciplinary subject are incorporated in the curriculum such as Electronics, computer science, humanities, IPR etc.

42. Does the department obtain feedback from:



- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*We discuss these feedbacks in the departmental meeting.*
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?  
*Collect and evaluate the feedbacks from each student with respect to individual subject teachers and try to improve if required.*
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?  
*B.Tech. Program started in 2012, so we don't have alumni as yet till first batch passes out in 2016.*
43. List the distinguished alumni of the department (maximum 10): *Nil, B.Tech. Program started in 2012, so we don't have alumni.*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- The department organises seminars, workshops and special lecture series on regular basis for providing exposure and benefit of students and faculty.
- Organization of one week National Workshop in collaboration with Computer Centre, NEHU Shillong sponsored by NBRC, DBT, Govt of India from 24-29th March, 2014.
- Organized lecture by Dr. Ratan Saha, Scientist, Saha Institute of Nuclear Physics on 25.4.14 in the Department.
- One day visit of B.Tech Ist year students to NEIGRIHMS, Shillong on 15.5.14.
45. List the teaching methods adopted by the faculty for different programmes: *Digital Media, Online notes, E-learning software, Classroom teaching, tutorial classes, laboratory practicals etc.*
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?  
*Feedback from student and industry, outside experts, visiting faculty and faculty from interdisciplinary departments.*
47. Highlight the participation of students and faculty in extension activities: *Apart from teaching, visits to different medical colleges, industry and hospitals are arranged on regular basis.*
48. Give details of “beyond syllabus scholarly activities” of the department: *Projects, Internships, Field trainings, Seminars, Expert lectures are arranged from time to time.*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No as first batch is under progress.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or



applied:

51. Future plans of the department: *The Department is planning for starting Ph.D. and M. Tech. courses in near future. It plans to collaborate with several institutes in the country to strengthen its ongoing programs. It also intends to collaborate and seek support from the industry.*

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Department has dedicated, competent, young and dynamic faculties.
- For research and development work, department is developing sound laboratories.
- Sophisticated Analytical Instruments Facility (SAIF) exists in NEHU.

**Weaknesses:**

- Lack of adequate & timely release of funds from the Govt.
- Lack of expertise in the region.
- Infrastructural difficulties.
- Lack of non-technical manpower.
- Lack of review meetings by concerned agencies for discussions and solutions to problems.

**Opportunities:**

- This is one of the latest department in NEHU, the department can be shaped and course curriculum can be developed as per requirement of the Biomedical industries.
- This is the only department in entire North-Eastern India, offering B. Tech. degree in Biomedical Engineering. It can possibly cater to the needs of people of NE region by initiating Master's and PhD level programs in near future.

**Challenges:**

- At present, India lacks manufacturing aspect in the biomedical industries available in the country. So, placement of 1st few batches of students will be a challenge. But, this will encourage students' for higher study or alternatively improve their skills.
- Faculty needs to be motivated by providing opportunities through different means like starting PG programs, putting up research grants to funding agencies, provide exposure through attending several programs in the field in academic institutes and industries.



### 3.42 Department of Computer Applications (Tura)

1. Name of Department : COMPUTER APPLICATIONS (Tura Campus)
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : MCA (PG)
5. Interdisciplinary courses and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester
9. Participation of the department in the courses offered by other departments. : Nil
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	-
Associate Professor	2	-
Assistant Professor	3	3

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mr. Ansuman Kumar	M.Tech. (IT)	Assistant Professor	Web Services, Networking	2.6	-
Dr. Anindya Halder	Ph.D.(CSE)	Assistant Professor	Pattern Recognition, Soft Computing	2.6	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mr. Rubul Kumar Bania	M.Tech. (IT)	Assistant Professor	Data Mining	1.8	-

Table 3.142: Faculty Profile of the Department of Computer Applications.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *1 Visiting faculty.*
13. Percentage of classes taken by temporary faculty-programme- wise information: *40%.*
14. Programme-wise Student Teacher Ratio: *10:1*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA	-	-
LDC/ TA	-	1 (Temporary)
MTS/ Lab Asstt.	-	-

16. Research thrust areas recognized by funding agencies: *Nil*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
-	-	-	-
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
  - a) All India collaboration: -
  - b) International: -
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. *Nil*
20. Research facility / centre with
  - State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*
21. Special research laboratories sponsored by / created by industry or corporate bodies: *Nil.*





## 22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
<b>Number of papers published in peer reviewed journals (national/ international)</b>	-	-	-
<b>Monographs</b>	-	2	2
<b>Chapters in Books/Papers in conference proceedings</b>	2	1	3
<b>Edited Books</b>	1	-	-
<b>Books with ISBN with details of Publishers</b>	-	-	-
<b>Number listed in International Database</b>		3	
<b>Citation Index - range / average</b>		100	
<b>SNIP</b>		-	
<b>SJR</b>		-	
<b>Impact Factor - range / average</b>		3.219	
<b>h-index</b>		-	

Table 3.143: Detailed Publications of the Department of Computer Applications.

23. Details of patents and income generated: *Nil*24. Areas of consultancy and income generated: *Nil*25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *1*

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
Dr. Anindya Halder	i. Member, International Association of Engineers, Hong Kong. Membership No: 141351. ii. Member, Computer Science Teachers Association (CSTA), New York, founded by Association for Computing Machinery (ACM). Membership No: 1343757. iii. Program Committee Member in 5th international conference on Pattern Recognition and Machine Intelligence (PReMI'13) organized by Machine Intelligence Unit (MIU), Indian Statistical Institute, Kolkata.
Mr. Ansuman Kumar	i. Member, International Association of Engineers, Hong Kong. Membership No: 145000. ii. Member, Computer Science Teachers Association (CSTA), New York, founded by Association for Computing Machinery (ACM). Membership No: 9691771.
<i>Editorial Board</i>	
-	-
<i>Any other (Please specify)</i>	
-	-

Table 3.144: Faculty of the Department of Computer Applications Serving in Committees, Editorial Boards etc..



## 27. Faculty recharging strategies:

- (a) Participation in Orientation and Refresher Courses, and
- (b) Participation in Seminar/Symposia/Workshops/Training courses.

## 28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	NA
% of students doing projects in collaboration with other universities / industry / institute	NA

## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Mr. Ansuman Kumar	-	-	-	-	Won 3 <sup>rd</sup> best paper award National Workshop on Advances in Communication and Computing (WACC), organized by Assam Engineering College, Assam during 26-27 September, 2014.



Dr. Anindya Halder	(i) Awarded Young Scientist grant for international travel support by DST, in 2010. (ii) Awarded best innovative paper award in the World Congress on Nature and Biologically Inspired Computing (NaBIC09) organized by Machine Intelligence Research Lab ( <a href="http://www.mirlabs.org/index.php">http://www.mirlabs.org/index.php</a> ) held at Coimbatore, India in December 9-11, 2009.	-	-	-	Won 3 <sup>rd</sup> best paper award National Workshop on Advances in Communication and Computing (WACC), organized by Assam Engineering College, Assam during 26-27 September, 2014.
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: *Nil*

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre:



## 32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 MCA	-	-	-	-	-
2010-11 MCA	-	-	-	-	-
2011-12 MCA	-	-	-	-	-
2012-13 MCA	-	-	-	-	-
2013-14 MCA	28	13	5	NA	NA

## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 MCA	-	-	-	-
2010-11 MCA	-	-	-	-
2011-12 MCA	-	-	-	-
2012-13 MCA	-	-	-	-
2013-14 MCA	38	24	38	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *Not applicable.*

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	NA
<input type="checkbox"/> Others	NA
Entrepreneurs	NA



36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	-	-
From other universities within the State	-	-	-	-
From universities from other States	3	3	1	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 1 (One).

38. Present details of infrastructure facilities with regard to:

Library	Yes
Internet facilities for staff and students	Yes
Total number of class rooms	3
Class rooms with ICT facility	2
Students' laboratories	2
Research laboratories	1

39. List of doctoral students and Research Associates: Nil

Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	-

40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	5

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Not applicable.*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, Feedbacks are placed in front of the appropriate body or authorities, for future improvements.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, Feedbacks are discussed in departmental meeting, for future improvements.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?



*Not applicable.*

43. List the distinguished alumni of the department (maximum 10): *Nil*
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- Special Lecture from the resource persons:
- (a) Dr. Dinabandhu Bhandari, Department of Information Technology, Heritage Institute of Technology, Kolkata, and
  - (b) Dr. Y. Jayanta Singh, Department of Computer Science & Engineering and Information Technology, Assam Don Bosco University, Silchar.
45. List the teaching methods adopted by the faculty for different programmes:
- (a) Lecture
  - (b) Presentation
  - (c) Demonstration
  - (d) Assignments
  - (e) Audio-visual
  - (f) Group-Discussion
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Participation of the students and their interest shows that, we are able to achieve our objectives and learning outcomes are monitored by regular class test & question-answer session.*
47. Highlight the participation of students and faculty in extension activities: *Faculty members are participating actively in administrative duties assigned by the university and election duties occasionally assigned by the district administration. Students too participating actively like Clean Indian Programme etc..*
48. Give details of “beyond syllabus scholarly activities” of the department: *Faculty Member is guiding students to participate in UGC-NET and GATE exams..*
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
51. Future plans of the department: introduce new methods of teaching and conducting practicals and sending students to reputed institutes in India for project work.
- (a) The Department is planning to offer Ph.D. programme in future.
  - (b) Planning to apply for funded/collaborative projects at national/international level.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Unity in the Departmental faculty and Staffs,



- Dedicated and punctual students,
- Faculty members are young, experienced and ready to meet all the challenges,
- Library facilities, and
- Computer Laboratory facilities.

**Weaknesses:**

- Limited Infrastructure,
- Limited Manpower, and
- Working environment effected by the outside society.

**Opportunities:**

- Partnership with other departments or organisation to evaluate students, and
- Opportunities for the Faculty member to work in the source provided by the authorities and generate the fund from other sources to achieve their goals.

**Challenges:**

- To produce good quality of students,
- Running the department smoothly with less number of manpower, and
- To provide good job placement to the students.



### 3.43 Electronics and Communication Engineering

1. Name of Department : Electronics and Communication Engineering
2. Year of establishment : 2006
3. Is the Department part of a School/ Faculty of the University? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : (a) UG (B.Tech.),  
(b) PG (M.Tech.), and  
(c) Ph.D.in ECE.
5. Interdisciplinary courses and departments involved : Basic Electronics (Theory and Laboratory, Department involved: IT, Bio-Medical Engineering (BME), Electrical Engineering (EE)), Digital Electronics (Theory and Laboratory, Department involved IT ), Signal and System (Theory, Department involved: IT, BME), Microprocessor (Theory and Laboratory, Department involved: IT) Mobile Communication (Theory, Department involved: IT)
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester
9. Participation of the department in the courses offered by other departments. : Ph.D Course work, Professional and Communication Skills HU-101, Engineering Mathematics MA-102, Engineering Physics PH-103, Engineering Mechanics ME-104, Basic Electrical EE-105, Elements of Environmental Science ES-201, Engineering Mathematics-II MA-202, Engineering Chemistry CH-203, Computer System and Programming IT-204, Engineering Mathematics-III MA-301, Data Structures and Algorithms IT-305, Statistics and Random Process MA-401,





: Industrial Economics and Management HU-501,  
Professional Ethics and IPR- HU-701, MA-901-  
Advanced Engineering Mathematics.

10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	4	4
Assistant Professor	7	7

11. Faculty profile with name, qualification, designation and specialization (D. Sc./D. Litt./Ph. D./M. Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./M. Phil. students guided for the last 4 years
Dr. L. J. Singh	B. Tech. (NERIST), M. Tech. (Tezpur University), Ph. D. (Jadavpur University)	Associate Professor	Semiconductor Devices; Signal Processing	13	Guiding 3 (Three)
Mr. S. K. Dutta	B. E. (Dibrugarh University), M. Tech. (Manipal University)	Associate Professor	Digital Electronics & Advanced Communication	12	Nil
Dr. S. C. Arya	B. Tech. (G.G.S.I.P.U.), Ph. D. (ISM Dhanbad)	Associate Professor	Optical Fibre Communication	8	Guiding 1 (One)
Dr. R. Subadar	B. E. (Dibrugarh University), M. Tech. (Tezpur University), Ph. D. (IIT Guwahati)	Associate Professor	Theory of wireless communication	14	Guiding 2 (Two)
Mr. J. Binong	B.E. (M. K. Bhavnagar University) M.Sc (IT)	Assistant Professor	Communication Engineering	7	Nil



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Mr. R. Mudoï	B. E. (Dibrugarh University), M. Tech. (Tezpur University)	Assistant Professor	Electronic Design and Technology	10	Nil
Ms. F. Pyrtuh	B. Tech. (VTU), M. Tech. (IIT Allahbad)	Assistant Professor	Robotics	4	Nil
Mr. J. Swarnakar	B. Tech. (Kalyani University), M. E. (Jadavpur University)	Assistant Professor	Control System	8	Nil
Mr. A. Ahmed	B. Tech. (Kalyani University), M. Tech. (NIT Durgapur)	Assistant Professor	Mixed Signal CAD tool Development	10	Nil
Mr. P. Sarkar	B. Tech. (Jalpaiguri Govt. Engg. College), M. Tech. (Burdwan University)	Assistant Professor	Microwave Engineering	3	Nil
Mr. N. Bora	M. Sc. (Tezpur University), M. Tech. (Tezpur University)	Assistant Professor	VLSI Design	3	Nil

Table 3.145: Faculty Profile of the Department of Electronics and Comm. Engg.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*.
13. Percentage of classes taken by temporary faculty-programme- wise information:  
 Till 2014 Nil  
 During 2014-15 10% (Guest faculty)
14. Programme-wise Student Teacher Ratio: B.Tech. 23.45:1;  
 M.Tech. 7:1; and  
 Ph. D. 2:1



15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	0	0
UDC/ STA/Steno	0	0
LDC/ TA	0	0
MTS/ Lab. Asstt.	0	0

16. Research thrust areas recognized by funding agencies: Signal processing

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
Development of Prosodically Guided Phonetic Engine for Searching Speech Databases in Indian Languages	L. J. Singh (PI) S. K. Dutta (Co-PI)	DeitY	30.015
Development and Deployment of Speech based Multi-Level Person Authentication System	L. J. Singh (PI) Fidalizia Pyrtuh (Co-PI)	DeitY	57.03
<b>International</b>			
-	-	-	-

Table 3.146: Number of faculty with ongoing projects in the Department of ECE.

18. Inter-institutional collaborative projects and grants received

(a) All India collaboration:

Name of Faculty	Funding Agency	Total Grants (in lakh ₹)
L.J.Singh (All India Coordinator)	DeitY	30.015
L.J.Singh (All India Coordinator)	DeitY	57.03

(b) International: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc. total grants received.

i) DeitY : Grants received - ₹ 87.045/- Lakhs,

ii) ADA : NPMASS programme to establish NPMASS MEMS Design Centre (National Centre)

Sponsoring Agency: ADA, Bangalore through IISc.[National coordinator], Bangalore.  
Total Grant: NA as the purchase of software(s) is done by IISc being national coordinator.

Duration: August 2009 to January 2015.

Coordinator at NEHU: Dr. L. Joyprakash Singh



20. Research facility / centre with
- State Recognition : *Nil*.
  - National Recognition :
    - (i) NPMASS MEMS Design Centre (National Centre),
  - International : *Nil*.
21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	0	28	28
Monographs	-	-	-
Chapters in Books/Papers in conference proceedings	22	32	54
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	-
<b>Number listed in International Database</b>			
Citation Index range/average	102; 1 to 10/Average 3.64		
SNIP	-		
SJR	-		
Impact Factor range / average	28; 0.352 - 3.672/Average 0.957		
h-index	13		

Table 3.147: Detailed Publications of the Department of ECE.

23. Details of patents and income generated: *Nil*.
24. Areas of consultancy and income generated: *Nil*.
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:
- (a) L. J. Singh visited the Speech and Vision Laboratory at IIITH many a times to participate workshops, learn and to get trained in speech data processing, prosody marking, tonal features etc.; IIT Guwahati; IIT Kharagpur; IIT Hyderabad; DA-IICT Gujarat; Thapar University, Punjab.
  - (b) S. K. Dutta visited the Speech and Vision Laboratory at IIITH Hyderabad couple of times to participate workshops, learn and to get trained in speech data processing, prosody marking, tonal features etc.
  - (c) Fidalizia Pyrtuh visited the Speech and Vision Laboratory at IIITH Hyderabad couple of times to participate workshops;
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):



Name of the Faculty	Name of Committee
<i>National Committees</i>	
L. J. Singh	<ul style="list-style-type: none"> <li>i. Member of Working Group constituted for framing the State Education Policy, Education Department, Government of Meghalaya,</li> <li>ii. Member of Expert Committee constituted by the Chairman, UGC in March 2009 to assess the academic and physical infrastructure of the Sikkim Manipal University of Health, Medical and Technological Sciences, Sikkim,</li> <li>iii. Member, Governing Body of the Regional Institute of Science &amp; Technology (RIST), Baridua, Ri-Bhoi District, Meghalaya,</li> <li>iv. Member (Alumni), Board of Management (BoM), North-Eastern Regional Institute of Science &amp; Technology (NERIST), Nirjuli, Arunachal Pradesh,</li> <li>v. Member, Doctoral Committee of ECE Department, NIT, Nagaland,</li> <li>vi. Executive Member, ISCA 2011-12,</li> <li>vii. Life member of the Computer Society of India (CSI), Mumbai,</li> <li>viii. Regular Member, IEEE,</li> <li>ix. Member, Association for Computing Machinery (ACM),</li> <li>x. Life Member, Indian Science Congress Association (ISCA), Kolkata,</li> <li>xi. Various selection committees at St. Edmunds' College, Shillong College, St. Mary's College, NIT Meghalaya etc.</li> </ul>
S. C. Arya	<ul style="list-style-type: none"> <li>i. Served as Chairman for the Recruitment of JRF in NESAC, Meghalaya,</li> <li>ii. Served as External Expert Member for the Recruitment of Research Scientist in NESAC,</li> <li>iii. Served as a Member, College Affiliation Committee for RIST,</li> <li>iv. Served as a Member, Shillong Polytechnic, Planning Committee (AICTE approved Project)</li> <li>v. Served as Member DRC and RC in NIT Meghalaya,</li> <li>vi. Life Member of Optical Society of India.</li> </ul>
R. Subadar	<ul style="list-style-type: none"> <li>i. Life member of Indian Society for Technical Education (ISTE),</li> <li>ii. Served as External Expert Member for the Recruitment of Technical Assistant at NIT, Meghalaya,</li> <li>iii. Served as Expert member for evaluation M. Tech project work at NERIST, Itanagar,</li> <li>iv. Served as selection committee member for the Recruitment of JRF in Dept. of IT, NEHU, Meghalaya,</li> <li>v. Served as external examiner for B. Tech 8th sem examination, in Dibrugarh University,</li> <li>vi. Invited as an expert member to the TEQIP Faculty development program on "Advances in Electronics and Communication", held in the department of ECE, NERIST 22nd to 26th July 2013,</li> <li>vii. Participated in the Panel Discussion Session of the 2014 edition of the National Workshop on Advances in Communication and Computing (WACC) held at Assam Engineering College, Guwahati, as an Expert on September 27, 2014.</li> </ul>
<i>International Committees</i>	



Name of Faculty	Name of Committee
-	-
<i>Editorial Board</i>	
-	-
<i>Any other (Please specify)</i>	
-	-

Table 3.148: Faculty of the Department of ECE Serving in Committees, Editorial Boards etc..

27. Faculty recharging strategies:

- Participation in Refresher Courses as Resource persons as well as participant,
- Participation in Seminars,
- Allowing faculties for higher studies as per norms of the University,
- Extramural project formulation and presentation to different funding agencies, and
- Visit to other National Laboratories/ Institutions.

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	70%
% of students doing projects in collaboration with other universities / industry / institute	30%

29. Awards / recognitions received at the national and international level by:

Faculty					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-	-
Doctoral/ Post Doctoral Fellows					
-	-	-	-	-	-
Students					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
<i>Microsystems Technology, March 25-27, 2010</i>	NPMASS, IISc., Bangalore, & North-East Space Application Centre (NESAC), Meghalaya	120
<i>Multi-level Person Authentication Systems, September 28, 2013</i>	DeitY, GoI	45
<i>RF &amp; Microwave Technology for Modern Systems Design, October 08 - 10, 2014</i>	SAMEER, Mumbai	60
<i>International</i>		



Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
IEEE EDS MINI-COLLOQUIUM: WINMACT 23, April 5, 2010	IEEE Electron Device Chapter of IEEE Calcutta Section	50

31. Code of ethics for research followed by the Department/ Centre:
- Statutory provisions for maintaining professional ethics are strictly followed.
  - Disciplinary Committee at departmental level is in place.
32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 B.Tech.	†	46	13	100	100
2010-11 B.Tech.	†	50	10	95.24	100
2011-12 B.Tech.	†	40+4*	20+1*	92.86	100
2012-13 B.Tech.	†	54+1*	6+5*	82.22	100
2013-14 B.Tech.	†	43+3*	14	64.71	90
M.Tech.‡	204	12	6	NA	NA
Ph.D.‡	18	3	1	NA	NA

Note:

† Applications for the vertical B.Tech. admission are received at the school level in favour of the Chairman, Centralized B. Tech. Admission Committee for all engineering courses offered in the School, NEHU, Shillong. After centralized admission takes place, the list of admitted students has been forwarded to each Department by the Chairman, Admission Committee. However, lateral entry admission\* is done by respective Head of the Department.

‡ M. Tech. and Ph.D. programmes in the Department started from the year 2013.

33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 B.Tech.	NA	NA	NA	-
2010-11 B.Tech.	NA	NA	NA	-
2010-11 B.Tech.	NA	NA	NA	-
2011-12 B.Tech.	NA	NA	NA	-



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2013-14				
B.Tech.	NA	NA	NA	-
M.Tech.	60	-	40	-
Ph.D.	-	-	100	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

- GATE 2011
- Mr. Anupam Singha
  - Mr. Prasenjit Dhar
  - Ms. Pampee Das
  - Mr. Ranjan Bordoloi
- 2012
- Mr. Debanjan Sarkar
  - Ms. Pampee Das
  - Mr. Raubin Kumar
  - Mr. Tridip Das
  - Mr. Varun Kumar
  - Mr. Vikash Prasad
- 2013
- Mr. Imdadul Islam
  - Mr. Pankaj Mazumder
  - Mr. Rekib Uddin Ahmed
  - Mr. Tenzing Sherpa
- 2014
- Mr. Biswajit Kalita
  - Mr. Mandeep Fouzdar
  - Mr. Pankaj Appun Pegu
  - Mr. Rajiv Biswas
  - Ms. Sheba Diamond Thabah
  - Mr. Vipin Kumar

35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	About 60%
PG to M. Phil.	NA
PG/ M.Phil. to Ph.D.	0
Ph.D. to Post Doctoral	NA
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	5%
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
-----------------------------------------	----	----	--------	--------





Of the same university	-	-	-	-
From other universities within the State	-	-	-	-
From universities from other States	100%	90%	100%	0
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*Nil.*

38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No departmental library is maintained other than the ones in research laboratory.
<i>Internet facilities for staff and students</i>	Yes, Wi-Fi, LAN
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	4
<i>Students' laboratories</i>	8
<i>Research laboratories</i>	2

39. List of doctoral, post-doctoral students and Research Associates: *Nil*

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	-

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
NA	NA	NA	NA	7

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Yes, Departmental Meeting and students survey.*

42. Does the department obtain feedback from:

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes, Feedback was circulated among faculty members in the meeting.*

b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes, improved through advisory notes.*

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*No.*



43. List the distinguished alumni of the department (maximum 10):
- Samsud Zoha [Class of 2010] - Sr. Associate at SAFRAN Morpho,
  - Tanmay Sarkar [Class of 2010] - Infosys Ltd.,
  - Rohan Kumar Das [Class of 2010] - Research Scholar at IIT Guwahati,
  - Purva Bhatnagar [Class of 2011] - Research Scholar at Cincinnati University, Ohio,
  - Soumitra Vikram [Class of 2011] - Mindtree Ltd.,
  - Anamika Das [Class of 2011] - TCS,
  - Dhiraj Deka [Class of 2011] - Accenture,
  - Chaitanya Jha [Class of 2011] - KU Leuven, Belgium
  - Sudeep Goshwami [Class of 2011] - Indian Overseas Bank
  - Raubin Kumar [Class of 2012] - IBM India Pvt Ltd.
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- National Workshop *Microsystems Technology*; March 25-27, 2010  
Speakers:
    - Prof. V. K. Attre, Chairman, B-SMART, ISSS, Former Director General of DRDO, Bangalore
    - Dr. K. Vijayaraju, Aeronautical Development Agency (ADA), Bangalore
    - Prof. Hiranmay Saha, Jadavpur Unievrity, Kolkata
    - Dr. Navakanta Bhat, IISc., Bangalore,
    - Dr. M. M. Nayak, Department of Space, Chandigarh
    - Prof. Roy Paily, IIT Guwahati, Assam,
    - Prof. S. Gopalakrishnan, IISc., Bangalore,
    - Dr. Soumen Das, IIT Kharagpur, West Bengal,
    - Dr. T. K. Bhattacharya, IIT Kharagpur, West Bengal,
  - International Workshop *IEEE EDS MINI-COLLOQUIUM: WINMACT 23*; April 5, 2010  
Speakers:
    - Prof. Hiroshi Iwai, Tokyo Institute of Technology, Japan,
    - Prof. S. K. Saha, University of Colorado at Colorado Springs, USA,
    - Dr. Xing Zhou, Nanyang Technological University, Singapore,
    - Prof. M. K. Radhakrishnan, NonoRel, Bangalore,
    - Prof. V. R. Rao, IIT Bombay, Maharashtra, and
    - Prof. C. K. Sarkar, Jadavpur University, West Bengal.
  - National Workshop *Multi-level Person Authentication Systems*; September 28, 2013  
Speakers:
    - Prof. B. Yegnanarayana, IIIT Hyderabad,
    - Prof. S. Umesh, IIT Madras,
    - Dr. K. Samudravijaya, TIFR Mumbai,
    - Dr. Rohit Sinha, IIT Guwahati, and
    - Prof. S. R. M. Prasanna, IIT Guwahati.



- (d) National Workshop *RF & Microwave Technology for Modern Systems Design*, October 08 - 10, 2014
- Speakers:
- i. Dr. K. P. Ray, SAMEER Mumbai,
  - ii. Dr. A. Agarwal, SAMEER Mumbai,
  - iii. Dr. Sulabha Ranade, SAMEER Mumbai, and
  - iv. Dr. A. Bhatnagar, SAMEER Mumbai,
45. List the teaching methods adopted by the faculty for different programmes:
- (a) Lectures using Audio-Visual Aids,
  - (b) Seminars and assignments, and
  - (c) Other innovative teaching methods.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Continuous assessment is done in the form of class tests, general proficiency test/viva-voce and seminars*
47. Highlight the participation of students and faculty in extension activities:
- i. NSS,
  - ii. Celebrations of important days such as Engineers Day, etc.
48. Give details of "beyond syllabus scholarly activities" of the department:
- (a) Students participate in national and international seminars as oral and poster presenters.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *Nil*.
51. Future plans of the department: *To accelerate research activities in frontier areas of Electronics and Communication Engineering*.
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Active Faculty,
  - Efficient teaching and learning methods,
  - Diverse curriculum,
  - Good Infrastructure.
- Weaknesses:**
- Only two supporting staffs (a peon, and an LDC; both are daily wage staffs);
  - *No sanctioned technical position/staff since inception till date;*
  - Less number of sanctioned position for teaching as compared to the student intake capacity [11 teachers :: 60+3x66(UG)+2x18(PG)+PhD Scholars];
  - No support on interdisciplinary basic papers like EE, CE, and ME as these departments are yet to start in the University,



- Lack of technical journal/ebook subscriptions;
- Lack of funds;
- Locational disadvantage like high cost of leaving for research scholar/project staff when they do not get accommodation in the campus;
- Non participation of central counselling for B.Tech. admission;
- No AICTE approval of the courses.

**Opportunities:**

- Student/teacher Diversity.

**Challenges:**

- Upliftment of the Department with limited resources/supporting staffs/faculty;



### 3.44 Department of Energy Engineering

1. Name of Department : ENERGY ENGINEERING
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : B.Tech (Energy Engineering)
5. Interdisciplinary courses and departments involved :
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
7. Details of programmes / courses discontinued, if any, with reasons : Nil
8. Annual/ Semester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments. : NA
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	4	0
Assistant Professor	5	4

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Samrat Paul	PhD. M.Tech	Assistant Professor	Organic Solar Cell	2 Year 8month	-
Mammit Sakia	M. Tech	Assistant Professor	Bio Energy	2 Year	-



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Sanat Das	M. Tech	Assistant Professor	Propulsion	2 Year	-
Samar Jyoti Hazarika	M. Tech	Assistant Professor	Energy Management	1.5 Year	-

Table 3.149: Faculty Profile of the Energy Engineering.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *Nil*
13. Percentage of classes taken by temporary faculty-programme- wise information: *B. Tech: 30%*
14. Programme-wise Student Teacher Ratio: *B. Tech: 30:1 at present*
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	Nil	Nil
UDC/ STA	Nil	Nil
LDC/ TA	Nil	Nil
MTS/ Lab Asstt.	Nil	Nil

16. Research thrust areas recognized by funding agencies: *Organic Solar Cells*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Dr. Samrat Paul	DST	21.2 Lakhs
<b>International</b>			
-	-	-	-

18. Inter-institutional collaborative projects and grants received:
  - (a) All India collaboration: *Nil*.
  - (b) International collaboration: *Nil*.
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *Nil*
20. Research facility/center with Recognition: State/National/International:
  - State Recognition: *Nil*
  - National Recognition: *Nil*
  - International Recognition: *Nil*



21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*

22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	-	-
Monographs	1	-	1
Chapters in Books/Papers in conference proceedings	1	-	1
Edited Books	-	-	-
Books with ISBN with details of publishers		-	
Number listed in International Database		-	
Citation Index range/average		-	
SNIP		-	
SJR		-	
Impact Factor range / average		-	
h-index		-	

23. Details of patents and income generated:

24. Areas of consultancy and income generated:

25. Faculty selected nationally/internationally to visit other laboratories in India and abroad: *Nil*

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Nil*

28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	-
% of students doing projects in collaboration with other universities / industry / institute	-



## 29. Awards / recognitions received at the national and international level by:

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
Dr. S. Paul	-	National Academy of Sciences, India - Swarna Jayanti Puruskar	-	Indian Science Congress Association - Young Scientist	-
<i>Doctoral/ Post Doctoral Fellows</i>					
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Nil

Title of Seminar/ Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

## 31. Code of ethics for research followed by the Department/ Centre:

## 32. Student profile course-wise:

Name and Batch of the Course	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 B.Tech.	-	-	-	-	-
2010-11 B.Tech.	-	-	-	-	-
2011-12 B.Tech.	-	-	-	-	-
2012-13 B.Tech.	-	-	-	-	-
2013-14 B.Tech/M.Sc.	674	51	7	80	20

*Started B.Tech. Programme from 2013 - 14 onwards.*





## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 B.Tech.	-	-	-	-
2010-11 B.Tech.	-	-	-	-
2011-12 B.Tech.	-	-	-	-
2012-13 B.Tech.	-	-	-	-
2013-14 B.Tech.	-	-	-	-

*Started B.Tech. Programme from 2013 - 14 onwards.*

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/ M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	-	-
From other universities within the State	-	-	-	-
From universities from other States	-	4	1	-
From universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:  
*Nil.*

## 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	No
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	4



<i>Class rooms with ICT facility</i>	1
<i>Students' laboratories</i>	6
<i>Research laboratories</i>	1

## 39. List of doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	3
2013-14	-	1

## 40. Number of post graduate students getting financial assistance from the university:

2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-

## 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

## 42. Does the department obtain feedback from:

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

*Yes*

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?

*Yes*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*The department analyses the report and take necessary steps if required*

43. List the distinguished alumni of the department (maximum 10): *NA*44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *NA*45. List the teaching methods adopted by the faculty for different programmes: *Distribution of handouts, slides, Audio/Visual system*

## 46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

## 47. Highlight the participation of students and faculty in extension activities:

## 48. Give details of "beyond syllabus scholarly activities" of the department:

## 49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give



details:

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
51. Future plans of the department:
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Being a new department with 2 years of existence the department has started B. Tech Program and is going to start PhD program from August 2015.
- The department is the only department among all the Central Universities to offer B. Tech program in Energy Engineering.
- The department has initiated research in the Area of Polymer Solar Cell, and it has received external funding from DST.

**Weaknesses:**

- Student : Teacher ratio in the department (out of 10 sanctioned positions the department has only 04 posts field up)

**Opportunities:**

- The highly demanding area of Energy has lots of opportunities for the student, faculties and researchers in the Department like
  - (a) External Funding for research and development,
  - (b) Placement of the students after B.Tech., and
  - (c) Extension activity in the area of solar energy and energy accounting and management.

**Challenges:**

- Financial grant received by the department was not adequate for the developments



### 3.45 Department of Information Technology

1. Name of Department : Information Technology
2. Year of establishment : 2006
3. Is the Department part of a School/ Faculty of the University? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : (a) UG (B.Tech.),  
(b) PG (M.Tech.), and  
(c) Ph.D.in IT.
5. Interdisciplinary courses and departments involved : NA
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : CBCS
9. Participation of the department in the courses offered by other departments. : Participated in teaching few subjects of other departments of university on the basis of feasibility and requirement.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	4	4
Assistant Professor	7	7

11. Faculty profile with name, qualification, designation and specialization (D. Sc./D. Litt./Ph. D./M. Phil., etc.) :



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Goutam Saha	B.E. (Electrical Engg.), M.E.(E & TCE), Ph.D. (IIT, Kharagpur), Post Doctoral Research Experience from IIT, Kharagpur and Ben-Gurion University, Israel.	Professor	Bioinformatics and Low-Power VLSI	25+	Guiding five (5) students three in Calcutta University and two in NEHU
Md. Iftexhar Hussain	B.E. (Computer Science and Engg), M.Tech.(IT)	Associate Professor	Wireless Networks, Low Cost Networks for Rural Areas	14+	NA
Dr. Bubu Bhuyan	M.Tech (IT); Ph.D.(Engg)	Associate Professor	Information Security	18+	Guiding 4 (Four) PhD students
Dr. Hemanta Kumar Kalita	B.E. (Computer Science and Engg), M.Tech(IT), Ph.D in Engineering (Computer Science & Engg Dept, Jadavpur University, Kolkata)	Associate Professor	Big data analysis, Ad Hoc Network Security, Performance Engineering, Spatial Data Mining, AI	16+	Guiding 4(Four) PhD students



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
Dr. Debdatta Kandar	M.Tech.(IT); Ph.D.(Engg.)	Associate Professor	Wireless Communication, Soft Computing, Artificial Intelligence, Radar Imaging	12+	Guiding 4 (Four) PhD students
Dr. Swarup Roy	MTech (IT); PhD (CSE)	Assistant Professor	Data mining, Computational Biology	10	Guiding 2 (Two) PhD students
Arnab Kumar Maji	B.E (IT); M.Tech(IT)	Assistant Professor	Image Processing, E-Commerce	10+	NA
Sangita Neog	B.E. (Computer Science and Engg); M.Tech(IT)	Assistant Professor	Cryptography	13+	NA
Sufal Das	B.Tech.(CSE); M.Tech.(IT)	Assistant Professor	Big Data Analysis, Data mining, Soft Computing	6+	NA
Subhas Chandra Sahana	B.Tech (CSE); M.Tech(IT)	Assistant Professor	Cryptography and Network Security	6+	NA
Amitabha Nath	M.Tech.(IT)	Assistant Professor	Network security	3	NA
Khwairakpam Amitab	M.Tech.(CSE)	Assistant Professor	Soft Computing, Image Processing	3	NA

Table 3.150: Faculty Profile of the Department of Information Technology.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:

- (a) Prof. Ashis Ghosh, ISI Kolkata
- (b) Prof. Shankar Pal, Ex-director, ISI Kolkata
- (c) Prof. Rajat Kumar Pal, University of Calcutta, Kolkata
- (d) Prof. C. T. Bhunia, Director, NIT, Arunachal Pradesh
- (e) Prof. Atal Chowdhury, Jadavpur University, Kolkata
- (f) Prof. Subhamoy Maitra, ISI Kolkata



- (g) Prof. C.A. Murthy, ISI, Kolkata
- (h) Prof. Dipti Prasad Mukherjee, ISI, Kolkata
- (i) Prof. Sanghamitra Bandyopadhyay, ISI Kolkata
- (j) Prof. Aditya Bagchi, ISI, Kolkata
- (k) Prof. D.K. Saikia, Director, NIT, Meghalaya
- (l) Prof. D.K. Bhattacharya, Dean, School of Engg., Tezpur University, Assam
- (m) Prof. S.M. Hazarika, Tezpur University, Assam
- (n) Prof. Utpal Sharma, Tezpur University, Assam
- (o) Prof. S. Nandi, Deputy Director, IIT, Guwahati, Assam
- (p) Dr. J. K. Deka, Associate Professor, IIT Guwahati, Assam
- (q) Prof. Ujjwal K. Saha, IIT Guwahati, Assam
- (r) Dr. Pradeep Kumar Sinha, Director, CDAC, Pune, Maharashtra
- (s) Prof. L.M. Patnaik, IISc, Bangalore, Karnataka
- (t) Dr. S Sudhakar, Director, North Eastern Space Applications Centre, Meghalaya
- (u) Prof. Nityananda Sarma, Tezpur University, Assam

13. Percentage of classes taken by temporary faculty-programme- wise information:

B.Tech.(IT)	8%
M.Tech.(IT)	Nil
Ph.D.(IT)	Nil

14. Programme-wise Student Teacher Ratio:
- |             |                                                                                       |
|-------------|---------------------------------------------------------------------------------------|
| B.Tech.(IT) | 20:1                                                                                  |
| M.Tech(IT)  | 12: 1                                                                                 |
| Ph.D.(IT)   | 4:1 for assistant professor,<br>6:1 for associate professor, and<br>8:1 for professor |

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
SO	-	-
UDC/ STA/Steno	2 (STA - Contractual)	-
LDC/ TA	1 (LDC - Daily wage)	1 (LDC - Daily wage)
	1 (TA - attached)	1 (TA - attached)
	2 (TA - Contractual)	2 (TA - Contractual)
MTS/ Lab. Asstt.	1	1

16. Research thrust areas recognized by funding agencies:

- (a) Security,
- (b) Wireless communication



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Md. Iftekhar Hussain	DeitY	67.08
	Dr. B. Bhuyan	DeitY	23.784
<b>International</b>			
-	-	-	-

Table 3.151: Number of faculty with ongoing projects in the Department of IT.

18. Inter-institutional collaborative projects and grants received  
 (a) All India collaboration: *Nil*  
 (b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc. total grants received: ₹ 90.864/- Lakhs
20. Research facility / centre with  
 State Recognition : *Nil*.  
 National Recognition :  
 (i) NPMAS MEMS Design Centre (National Centre),  
 International : *Nil*.
21. Special research laboratories sponsored by/created by industry or corporate bodies: *Nil*.
22. Publications: (Detailed List of publications to be provided to the visiting team)

	National	International	Total
Number of papers published in peer reviewed journals (national/ international)	-	1	1
Monographs	-	1	1
Chapters in Books/Papers in conference proceedings	9	51	60
Edited Books	-	-	-
Books with ISBN with details of publishers	-	-	-
<b>Number listed in International Database</b>	35		
Citation Index range/average	63 - 105		
SNIP	1.868 - 5.54		
SJR	1.647		
Impact Factor range / average	0.33 - 4.058		
h-index	4		

Table 3.152: Detailed Publications of the Department of IT.

23. Details of patents and income generated: *A Method of Secure Multiple Joining for a Device*





to join Wireless System Network and a Wireless Device Thereof ; Inventors: Ravish Kumar, Apala Ray, Mallikarjun Kande, Venkateswaran Narayanan, Hemanta K Kalita; Publication date: 2011/10/7; Patent office: WO; Patent number: 2011121388.

24. Areas of consultancy and income generated: *Facility agreement with TATA Consultancy Services Ltd for conduction of various online examinations during weekend.*
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad: *Prof. G. Saha visited different laboratories of engineering colleges across India as an expert of AICTE visiting team.*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
Prof. Goutam Saha	i. Member of the Sixth Reconstituted Task Force Committee on Bioinformatics, Computational and System Biology (BCSB) of DBT, Govt. of India, ii. Empaneled as an experts for AICTE.
Dr. Swarup Roy	Technical Comm. of conferences: CSCITA' 14, ICCIDM' 14, WACC' 14
<i>International Committees</i>	
Dr. Hemanta Kumar Kalita	i. International Journal of Network Security (Reviewer) ii. National Conference on Trends in Machine Intelligence, Tezpur, 23-25 March, 2011 (Member, Programme Committee) iii. Third International Conference on Advances in Computer Engineering – ACE 2012, June 07-08, 2012, Amsterdam, Netherlands (Member, Programme Committee) iv. IJCEAS' 13 (Member, National Advisory Committee) v. National Conference on Emerging Global Trends in Engineering and Technology, 7-8 March 2014 (Member, National Advisory Committee) vi. National Workshop on Advances in Communication and Computing (WACC), 26-27 Sept 2014 (Member, Technical Committee) vii. International Conference on Electronic Design, Computer Networks & Automated Verification, 29-30th January 2015 (Member, Technical Programme Committee) viii. IJCE 2014 (Member, National Advisory Committee)
Dr. Debdatta Kandar	Reviewer of International Journal Progress In Electromagnetics Research
Dr Swarup Roy	Technical Comm. of Intl. Journals : i. IEEE/ACM Trans. CBB, ii. Computer Methods & Prog. Biomed. (Elsevier), iii. Network Modeling Analysis in Health Informatics and Bioinformatics (Springer)
Arnab Kumar Maji	i. Reviewer of OMICS Group of International Journal on Physical Mathematics ( E-ISSN: 2090-0902, P-ISSN: 2090-0899), ii. Reviewer of Songklanakarin Journal of Science and Technology(ISSN 0125-3395), Security and Communication Networks, Wiley(ISSN:1939-0122)
<i>Editorial Board</i>	



Name of Faculty	Name of Committee
Md. Iftekhar Hussain	i. Review committee member of 3rd National Conference in Emerging Trends and Applications in Computer Science (NCETACS-2012), ii. Programme Committee Member of National Conference on Trends in Machine Intelligence, Tezpur, 23-25 March 2011
Dr. Bubu Bhuyan	i. Member of Board of Studies , Computer Science & Engineering , Member, Board of Research Studies and Member , Finance Committee of National Institute of Technology(NIT), Arunachal Pradesh ii. Nominated as an invitee to the Academic Council Meetings of Tezpur University, Tezpur for a period of 3 years.
Arnab Kumar Maji	ISST Journal of Mathematics and Computer Science (ISSN 0976 – 9048)
<i>Any other (Please specify)</i>	
-	-

Table 3.153: Faculty of the Department of IT Serving in Committees, Editorial Boards etc..

### 27. Faculty recharging strategies:

Sl. No.	Faculty Name	No of orientation programme, refresher course, seminar, workshop, conference participated during 2009-2014 (as participant and as resource person)
1	Dr. Gautam Saha	Orientation programme 1 Refresher course 1 Seminar 3 Workshop 4 Conference 2
2	Md. Iftekhar Hussain	Orientation programme - Refresher course 2 Seminar 3 Workshop 2 Conference 5
3	Dr. Bubu Bhuyan	Orientation programme 2 Refresher course 1 Seminar 2 Workshop 4 Conference 1
4	Dr. Hemanta Kumar Kalita	Orientation programme - Refresher course 2 Seminar - Workshop 3 Conference 7
5	Dr. Debdatta Kandar	Orientation programme - Refresher course 1 Seminar - Workshop 1 Conference 3



Sl. No.	Faculty Name	No of orientation programme, refresher course, seminar, workshop, conference participated during 2009-2014 (as participant and as resource person)
6	Dr. Swarup Roy	Orientation programme - Refresher course 1 Seminar - Workshop 4 Conference 3
7	Mr. Arnab K. Maji	Orientation programme 1 Refresher course 1 Seminar 2 Workshop 4 Conference 6
8	Ms. Sangita Neog	Orientation programme 1 Refresher course - Seminar - Workshop 6 Conference -
9	Mr. Sufal Das	Orientation programme 1 Refresher course 1 Seminar 1 Workshop 5 Conference 2
10	Mr. Subhas Sahana	Orientation programme 1 Refresher course - Seminar 1 Workshop 4 Conference -
11	Mr. Amitabh Nath	Orientation programme - Refresher course - Seminar - Workshop 3 Conference -
12	Mr. K. Amitabh	Orientation programme 1 Refresher course - Seminar - Workshop 3 Conference -

## 28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	100%
% of students doing projects in collaboration with other universities / industry / institute	-



## 29. Awards / recognitions received at the national and international level by:

Faculty					
Name	2009-10	2010-11	2011-12	2012-13	2013-14
Dr. Swarup Roy	-	-	-	-	1
Doctoral/ Post Doctoral Fellows					
-	-	-	-	-	-
Students					
-	-	-	-	-	-

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
Winter School on <i>Soft Computing, Pattern Recognition And Image Processing</i> during October 20 – 24, 2011	Indian Statistical Institute, Kolkata Amount: Around ₹ 2.5 Lakhs	23
Workshop on <i>Computational Information Processing</i> during December 3-6, 2013	Indian Statistical Institute, Kolkata Amount: Around ₹ 2.5 Lakhs	39
Refresher Course in <i>Information Technology</i> , July 1 -21, 2013	UGC	16
Workshop on <i>Applications of Wireless Sensor networks and SCADA</i> on September 4, 2014	CDAC, Pune	35
<i>International</i>		
-	-	-

## 31. Code of ethics for research followed by the Department/ Centre:

- Honesty:** Strive for honesty in all scientific communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data. Do not deceive colleagues, granting agencies, or the public.
- Objectivity:** Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception. Disclose personal or financial interests that may affect research.
- Integrity:** Keep promises and agreements; act with sincerity; strive for consistency of thought and action.
- Carefulness:** Avoid careless errors and negligence; carefully and critically examine own work and the work of the peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.
- Openness:** Share data, results, ideas, tools, resources. Be open to criticism and new ideas.
- Respect for Intellectual Property:** Honor patents, copyrights, and other forms of intellectual



property. Do not use unpublished data, methods, or results without permission. Give credit where credit is due. Give proper acknowledgement or credit for all contributions to research. Never plagiarize.

- (g) Confidentiality: Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.
- (h) Responsible Publication: Publish in order to advance research and scholarship, not to advance just own career. Avoid wasteful and duplicative publication.
- (i) Responsible Mentoring: Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.
- (j) Respect for colleagues: Respect colleagues and treat them fairly.
- (k) Social Responsibility: Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.
- (l) Non-Discrimination: Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors that are not related to their scientific competence and integrity.
- (m) Competence: Maintain and improve own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.
- (n) Legality: Know and obey relevant laws and institutional and governmental policies.

### 32. Student profile course-wise:

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 B.Tech.	Applications invited at School level	41	14	NA	NA
2010-11 B.Tech.	-do-	47	13	88.89	100
2011-12 B.Tech.	-do-	48	10	100	100
2012-13 B.Tech.	-do-	31	18	65	76.93
2013-14 B.Tech.	-do-	51	9	76.92	71.43
M.Tech.	180	14	4	NA	NA
Ph.D.	60	4	-	NA	NA



## 33. Diversity of students:

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 B.Tech.	-	-	-	-
2010-11 B.Tech.	-	-	-	-
2010-11 B.Tech.	-	-	-	-
2011-12 B.Tech.	-	-	-	-
2013-14 B.Tech. M.Tech. Ph.D.	- 33.33 25	- - -	- 66.66 75	- - -

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Examination	SC/ST	GEN
GATE	4	6
NET	-	1

## 35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	3%
PG to M. Phil.	NA
PG/ M.Phil. to Ph.D.	NA
Ph.D. to Post Doctoral	NA
<i>Employed: Majority of the pass out students are now employed. Names of few are included in Point no 43.</i>	
<input type="checkbox"/> Campus Selection	5%
<input type="checkbox"/> Others	-
Entrepreneurs	-

\*This data shows enrolment of its B.Tech students to University's M.Tech programme.

## 36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
Of the same university	-	-	-	-
From other universities within the State	-	-	-	-
From universities from other States	12	12	5	0
From universities outside the country	-	-	-	1†

† Postdoctoral Research Experience



37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 3.  
 38. Present details of infrastructure facilities with regard to:

<i>Library</i>	A Centralized library with facilities of digital access to multiples journals and a Departmental library.
<i>Internet facilities for staff and students</i>	1Gbps NKN
<i>Total number of class rooms</i>	5
<i>Class rooms with ICT facility</i>	5
<i>Students' laboratories</i>	5
<i>Research laboratories</i>	2

39. List of doctoral, post-doctoral students and Research Associates:

<b>Year</b>	<b>From the host University</b>	<b>From Other Universities</b>
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	i. Mr. Sufal Das ii. Mr. Subhas Sahana iii. Mr. Rupam Kumar Sharma iv. Mr. Achinta Kumar Gogoi	-

40. Number of post graduate students getting financial assistance from the University:

2009-10	2010-11	2011-12	2012-13	2013-14
NA	NA	NA	NA	11

41. Was any need assessment exercise undertaken before the development of new programme(s)?  
 If so, highlight the methodology: *Department of Information Technology started two new programmes, namely M.Tech.(IT) and Ph.D.(IT). For this a detail need assessment were carried out. Highlights of them are as follows:*
- Assessed the number of students awarded B.Tech degrees by different institutions in North-East India per year*
  - Compared seats for PG and Doctoral studies in Information Technology in North-East India with national average*
  - Assesses the gap between job opportunities available for PG and doctoral students in the area of Information Technology and degrees awarded*
  - Promotion of research in Information Technology for the development of North East India*
42. Does the department obtain feedback from:
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?  
*Department meeting, accordingly syllabus is revised after every four year.*
  - Students on staff, curriculum and teaching-learning-evaluation and how does the Depart-



ment utilize the feedback?

*Taken by individual faculty for his own upliftment.*

- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

*Through various contacts/email.*

43. List the distinguished alumni of the department (maximum 10):
- (a) Andolina Datta (System Engineer at Deloitte)
  - (b) Anant Swaroop (Manager, Information Technology, Punjab National Bank)
  - (c) Abhishek Thakur (SAP Consultant, HCL Technologies)
  - (d) Rajdeep Gogoi (Application Developer at Fujitsu Consulting India)
  - (e) Ameet Bora (Software Developer Analyst at Dell)
  - (f) Hrishikesh Bora (SAP BW/BI and IP Consultant at Accenture)
  - (g) Bhargab Bora (MS student at Europa University Viadrina, Frankfurt )
  - (h) Aditya Bora (Assistant Manager at SYNDICATE BANK)
  - (i) Anjan Borah (NEEPCO Ltd)
  - (j) Munmi Upadhyay (IBM, Noida)
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- (a) Special lectures by
    - i. Prof L M Patnaik, IISc Bangalore
    - ii. Prof Pradeep K Sinha, IEEE Fellow, C-DAC Pune
    - iii. Prof. Ashis Ghosh, ISI Kolkata
  - (b) Workshop on
    - i. Robotics
    - ii. Network management
    - iii. Microsoft, Adobe and Apple's software
    - iv. Others (as listed in point no 30 above)
45. List the teaching methods adopted by the faculty for different programmes:
- (a) Class lectures through blackboard and e-presentation mode
  - (b) Special tutorial classes
  - (c) Seminar on advanced topics
  - (d) General Proficiency test
  - (e) Practical Assignments
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
- (a) The students are evaluated through both continuous assessments and end term examinations conducted at the end of semesters. The continuous assessments are done through various modes of assessments namely class tests/mid term test, quizzes, assignments that spreads evenly over the whole semester.





- (b) There is a general proficiency course introduced in the syllabi through which department constantly evaluate the students' performance four times, spread across four years course of B.Tech.(IT). Students are evaluated through grand viva, seminars, viva voce etc.
  - (c) To monitor learning outcomes, students' projects are evaluated with the help of senior academicians from various reputed institutes of India.
  - (d) Students are encouraged to participate in real life R&D problems and write research papers to publish in various journals and proceedings.
  - (e) A number of students are already able to qualify GATE and NET examinations which shows our students' success in achieving above mentioned goals.
47. Highlight the participation of students and faculty in extension activities: *Students are encouraged to visit industry and research institutes to carry their industrial training, which is a part of their curriculum. Besides, students having a techno forum, "CIPHER" for conduction of various techno-cultural activities. "ANAKALAPSY" is a yearly techno-cultural events organized by the students along with other students of School of Technology. Soft Skill programs are also conducted to make the students ready for on/off campus drives. Faculty members are also taking part in various conferences, workshops and seminars to enhance their knowledge base in their respective areas.*
48. Give details of "beyond syllabus scholarly activities" of the department:
- (a) Yearly workshop for the 1<sup>st</sup> year students on C Programming by the senior students
  - (b) Publishing of wall magazine, "PALATE" by the students
  - (c) Workshop on Robotics
  - (d) Interactive sessions by the eminent persons from the research institutes
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No.*
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: *The faculties of the department so far have published number of articles in areas of*
- (a) *Data mining*
  - (b) *Computational Biology*
  - (c) *Long distance Wi-Fi and*
  - (d) *Computer & Network security*
51. Future plans of the department: *Department is planning to*
- (a) *Construct four advance research lab namely: Computational Biology Lab, Computer and Network Security Lab, Network Lab, Computer Graphics Lab.*
  - (b) *Setup North-East centre for Computational Language Processing.*
  - (c) *Collaborate with industry and other government organization such as DRDO*
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:
- Strengths:**
- Experience: Faculties of the department are well experienced



- Qualified Faculty: Five faculties are Ph.D holders, two are about to complete their Ph.D and rests have enrolled for their Ph.D
- Well equipped laboratory: Housing 240 nos. of high-end computers spread across 05 different labs. All the labs are connected using fiber optics cable and under the backup of 50 KVA UPS. IBM Blade Center E with 4 Blades ( 2 nos. Power6 JS 12 & 2 nos. Xeon Quadcore HS 21) 8 GB RAM, 3 TB of SAN storage. HP Proliant ML350G4p: Intel Xeon 3.0 GHz HT, 2 MB level 2 Cache, Intel E7520 Chipset, 1 GB SD RAM, 2x72GB HDD. Sun Fire X2200 M2 Server with 2x Dual Core AMD Opteron 2218 Processors, 8GB DDR, 2x500 GB SATA HDD, Solaris 10 64 Bit OS
- State-of-the-art classroom: Each classroom is equipped with high resolution projection system, white-board. Modern furnitures have been provided in each room for better sitting arrangements.

**Weaknesses:**

- Location: Being in N-E India, it is always disadvantage to be deprived of IT exposure.

**Opportunities:**

- Research and Development: The department has the potential to be centre of excellence for IT education and research in Northeast India.

**Challenges:**

- Mixed ability groups in the classes
- First generation learners with little exposure to English



### 3.46 Department of Nanotechnology

1. Name of Department : NANOTECHNOLOGY
2. Year of establishment : 2012
3. Is the Department part of a School/ Faculty of the university? : Yes, School of Technology
4. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters/Ph.D., etc.) : M.Tech. and Ph.D.
5. Interdisciplinary courses and departments involved : Yes, the course is multidisciplinary
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Not yet
7. Details of programmes / courses discontinued, if any, with reasons : NA
8. Annual/ Semester/Choice Based Credit System : Semester System
9. Participation of the department in the courses offered by other departments. : Yes
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors) :

Designation	Sanctioned	Filled
Professor	1	0
Associate Professor	1	0
Assistant Professor	2	2

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D./ M. Phil. students guided for the last 4 years
L.R. Singh	Ph.D.	Asst.Professor	Nanomaterials and CNT	8 years	3
D.Pyngrope	M.Tech.	Asst.Professor	Nanoelectronics	4 years	-

Table 3.154: Faculty Profile of the Department of Nanotechnology.



12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: *No*
13. Percentage of classes taken by temporary faculty-programme- wise information: *No*
14. Programme-wise Student Teacher Ratio: 18:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Designation	Sanctioned	Filled
UDC/ STA		Contractual
LDC/ TA		Contractual
MTS/ Lab Asstt.		Contractual

16. Research thrust areas recognized by funding agencies: *No*
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Title of the Project	Name of the Faculty	Funding Agency	Total Grants (Lakh ₹)
<b>National</b>			
	Dr. L.Robindro Singh	i. UGC, New Delhi ii. DST FTP, New Delhi iii. BRNS, Mumbai	6.00 23.00 25.00
<b>International</b>			
-	-	-	-

Table 3.155: Number of faculty with ongoing projects in the Department of Nanotechnology.

18. Inter-institutional collaborative projects and grants received
- a) All India collaboration: *Nil*
- b) International: *Nil*
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received: *No*
20. Research facility/center with Recognition: State/National/International:
- State Recognition: Yes
- National Recognition: *Nil*
- International Recognition: *Nil*
21. Special research laboratories sponsored by/created by industry or corporate bodies: *No*
22. Publications: (Detailed List of publications to be provided to the visiting team)

	Total	National	International
Number of papers published in peer reviewed journals (national/ international)	4	-	4
Monographs	-	-	-



	Total	National	International
Chapters in Books/Papers in conference proceedings	-	-	-
Edited Books	-	-	-
Books with ISBN with details of Publishers		-	
Number listed in International Database		-	
Citation Index - range / average		-	
SNIP		-	
SJR		-	
Impact Factor - range / average		-	
h-index		-	

23. Details of patents and income generated: *NA*
24. Areas of consultancy and income generated: *NA*
25. Faculty selected nationally/internationally to visit other laboratories in India and abroad: *1 Indian*
26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of the Faculty	Name of Committee
<i>National Committees</i>	
-	-
<i>International Committees</i>	
-	-
<i>Editorial Boards</i>	
-	-
<i>Any Other (Please specify)</i>	
-	-

27. Faculty recharging strategies: *Orientation Course and Summer Programme*
28. Students' Projects

% of students who have done in-house projects including inter-departmental projects	NA
% of students doing projects in collaboration with other universities / industry / institute	80%

29. Awards / recognitions received at the national and international level by: *NA*

Name	2009-10	2010-11	2011-12	2012-13	2013-14
<i>Faculty</i>					
-	-	-	-	-	-
<i>Doctoral/ Post Doctoral Fellows</i>					



Name	2009-10	2010-11	2011-12	2012-13	2013-14
-	-	-	-	-	-
<i>Students</i>					
-	-	-	-	-	-

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: *NA*

Title of Seminar/Conference	Funding Agency and Amount	Outstanding Participant(s)
<i>National</i>		
-	-	-
<i>International</i>		
-	-	-

31. Code of ethics for research followed by the Department/ Centre: *NA*

32. Student profile course-wise: *NA*

Name and Batch of the Course	Applica-tions received	Selected		Pass Percentage	
		Male	Female	Male	Female
2009-10 M.Tech. Ph.D.					
2010-11 M.Tech. Ph.D.					
2011-12 M.Tech. Ph.D.					
2012-13 M.Tech. Ph.D.					
2013-14 M.Tech. Ph.D.					

33. Diversity of students: *NA*

Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10 M.Tech. Ph.D.				
2010-11 M.Tech. Ph.D.				



Name and Batch of the Course	% of students from the same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2011-12 M.Tech. Ph.D.	-	-	-	-
2012-13 M.Tech. Ph.D.	-	-	-	-
2013-14 M.Tech. Ph.D.	-	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: *NA*
35. Student progression:

Student progression from - to -	Percentage against enrolled
UG to PG	-
PG to M. Phil.	-
PG/M.Phil. to Ph.D.	-
Ph.D. to Post Doctoral	-
<i>Employed</i>	
<input type="checkbox"/> Campus Selection	-
<input type="checkbox"/> Others	-
Entrepreneurs	-

36. Diversity of staff: (Please provide numbers)

Percentage of faculty who are graduates	UG	PG	Ph. D.	Others
of the same university	3	-	-	-
from other universities within the State	-	-	-	-
from universities from other States	-	-	-	-
from universities outside the country	-	-	-	-

37. Number of faculty who were awarded Ph.D. during the assessment period: *NA*
38. Present details of infrastructure facilities with regard to:

<i>Library</i>	Yes
<i>Internet facilities for staff and students</i>	Yes
<i>Total number of class rooms</i>	4
<i>Class rooms with ICT facility</i>	1
<i>Students' laboratories</i>	4
<i>Research laboratories</i>	1

39. List of doctoral students and Research Associates:



Year	From the host University	From Other Universities
2009-10	-	-
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	3

40. Number of post graduate students getting financial assistance from the university: *NA*

2009-10	2010-11	2011-12	2012-13	2013-14

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: *Regular consultation is done for development of new courses in consultation with experts from other universities and institutions. NA.*

42. Does the department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- Students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback?
- Alumni and employers on the programmes offered and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10): *NA*

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: *Special Lectures*

45. List the teaching methods adopted by the faculty for different programmes:

- Black Board,
- Visualization Class

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? *Every two month observations*

47. Highlight the participation of students and faculty in extension activities: *NA*

48. Give details of "beyond syllabus scholarly activities" of the department: *NA*

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details: *No*

50. Briefly highlight the contributions of the department in generating new knowledge, basic or





applied: NA

51. Future plans of the department:

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

**Strengths:**

- Need staff who are experienced from different fields

**Weaknesses:**

- Full laboratories could not established with lack of funds.

**Opportunities:**

- The course offered is multidisciplinary and will give impact.

**Challenges:**

- Since the course is multidisciplinary a lot of collaboration is needed.



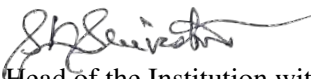
## 4. Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the Institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Shillong  
Date: July 04, 2016

  
Signature of the Head of the Institution with Seal  
कुलपते/Vice-Chancellor  
पूर्वात्तर पर्यतीय विश्वविद्यालय  
North Eastern Hill University  
शिल्लॉंग/Shillong