

**ANNUAL QUALITY ASSURANCE REPORT  
NORTH-EASTERN HILL UNIVERSITY  
SHILLONG – 793 022**

**2007 - 2008**

**NAME OF THE INSTITUTION: NORTH-EASTERN HILL UNIVERSITY**

**YEAR OF REPORT: 2007-2008**

**PART – A**

**The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year:**

The IQAC has been entrusted for preparation of the Self-Study Report 2008 to be submitted to the NAAC and it has been successful in doing it by the end of the year.

**PART – B**

**1. Activities reflecting the goals and objectives of the institution:**

The university is located in a region predominantly inhabited by the socially and economically deprived sections of the population to which the institution is committed to serve as per the objectives of the university. The university strives to serve these sections of the society and has created unique traditions keeping in perspective the needs, aspirations, culture of the people by suitably orienting its academic, curricular as well as co-curricular and extra-curricular programmes. The goals and objectives of the university as enshrined in the NEHU Act have been made available to various stakeholders including public at large by posting it on the NEHU website

**2. New academic programmes initiated (UG and PG):**

B.Sc. (Honours) Microbiology, B.Sc (Environmental Science), M.Sc. (Environmental Science) and M.Sc. (Biotechnology) courses are introduced in the last few years.

**3. Innovations in curricular design and transaction:**

The University follows the model curricula of national bodies such as UGC, and AICTE as well as other Centres of advanced learning in the country and abroad. The curricula of all the courses are revised on the basis of recent trends in the respective disciplines. Revision of Syllabus is made on the basis of UGC NET syllabus and other guidelines of the UGC. As far as possible, latest development in the subject from job point of view is also taken care of while framing the syllabus. The feedback on curriculum is obtained by the academic bodies of the university. The most notable measure is the introduction of Choice Based Credit System in the University which has several quality sustenance and quality enhancement measures.

**4. Inter-disciplinary programmes started:**

Management is inter-disciplinary offering 32 courses

**5. Examination reforms implemented:**

Choice Based Credit System has been introduced.

**6. Candidates qualified: NET/ SLET/ GATE etc.:**

	2007	2008
NET	140	101

## **7. Initiative towards faculty development programme:**

The university encourages the teachers to avail faculty development programmes by liberally providing study leave, sabbatical leave as well as by deputing to national/ international conferences/ seminars and by organizing national/ international conferences etc. During the last 5 years as many as 83 teachers have participated in Refresher courses whereas 38 of them have attended Orientation course. Almost all the senior faculty members have served as Resource Persons in Workshops/ Seminars/ Conferences during the last five years. The University has an Academic Staff College which organizes Summer Schools, refresher and orientation courses for college and university teachers.

## **8. Total number of seminars/ workshops conducted: 48**

## **9. Research projects:**

a) Newly implemented: 36, b) Completed: 13

## **10. Patents generated, if any:**

Dr. Basu Bual: Indian Patent No. 199990 dated 17<sup>th</sup> Nov, 2006. *Title: A Process of preparing Diethyl Dichloro(n-2-Pyridyl Methylene-4 Toluedine) Tin IV*

Prof. R.N Sharan: Indian Patent No. IPR/4.18.2/08044

## **11. New collaborative research programmes:**

### **Economics**

**Academic/ Professional Collaboration :** Dr. S. Umdor and Dr. B. Panda prepared a background paper entitled 'Participation of People in Development (2007)' prepared in connection with the State Human Development Report of Meghalaya. The report is being prepared by the Govt. of Meghalaya in collaboration with Planning Commission and UNDP.

### **Centre for Adult and Continuing Education**

#### **Academic/Professional Collaboration:**

CACE established a network and collaboration with the regional, state and local bodies at the regional level, CACE has collaborated with the North East Council of Social Science Research, at the state level with State Institute of Rural Development (SIRD), and affiliated colleges in organizing awareness programmes, seminars on career guidance/counseling etc. At the district level it has its network with the District Institute of Educational Training (DIET). At the local level the Centre and its staff have established contacts with Frank Finn Institute, NGOs and other development agencies to share their expertise and other resources.

### **Geography**

#### **Academic/Professional Collaboration:**

Indo- Polish Collaborative Research Program under DST (New Delhi)-and KBN (Warsaw, Poland) to investigate Run off, Rainfall and Soil Loss in Cherrapunji Area, Meghalaya Plateau ( III Phase)

Collaborative Research with NESAC, Shillong under MoU for Preparation of Maps/digital data under NRC-LULC-50K

## **Rural Development and Agricultural Production**

**Academic/ Professional Collaboration :** The Department has undertaken professional collaboration with NIRD, Regional Centre, Guwahati and NIRD, Headquarters, Hyderabad, CAPART& IAMR, New Delhi, SIRD, Guwahati, ICAR Research Complex for NEH Region, Barapani for improvement of techniques relating to Rural Development and Agricultural Production. The Department has also developed networking with the local level NGOs where the third and fourth semester students as resource persons and interacting directly with the villagers.

## **Centre for Environmental Studies**

### **Academic/Professional Collaborations:**

Prof. L. K. Jha was accepted to work as member of the Editorial Board and Reviewer of Two Journals entitled (i) Journal of Environmental Science and Technology and (ii) Journal of Environmental Sciences published by Academic Journals, New York, USA.

Professor Tiwari has a collaborative research programme with the Center for International Forestry Research, Bogor, Indonesia on the topic of Forest Product Marketing, Livelihoods and Linkages with Poverty.

Dr. D. Walia collaborated with BARC, IIG, Navi Mumbai, and NGRI, Hyderabad.

## **Botany**

### **Academic collaboration:**

The faculty members of the Department have been collaborating with the following organizations:

(i)University of Ljubljana, Slovenia (ii) CIFOR, Bogor, Indonesia (iii) ICIMOD, Kathmandu, Nepal (iv) TERI, New Delhi (v) Indian Institute of Science, Bangalore (vi) University of Agricultural Sciences, GKVK, Bangalore (vii) Indian Institute of Remote Sensing, Dehradun (viii) Tea Research Association, Toklai (ix) North-Eastern Regional Institute of Science and Technology, Nirjuli, Itanagar (x) ICAR Research Complex for N. E. Hill Region, Barapani, Shillong (xi) Botanical Survey of India, Shillong (xii) Meghalaya Pollution Control Board, Shillong (xiii) NBPGR, Regional Centre, Shillong (xiv) Forest Department, Government of Meghalaya, Shillong (xv) (xvi) ICIMOD, Kathmandu.

## **Zoology**

### **Academic/Professional Collaboration:**

Prof. B. K. Sharma undertook work on Biodiversity of Zooplankton in floodplain lakes of Assam in collaboration with Zoological Survey of India, Kolkata/Shillong.

Prof. B. B. P. Gupta worked in collaboration with HSD. R. Spessert, Department of Cell Biology and Anatomy, J. G.-University of Mainz, Mainz, Germany on photoperiodic regulation of clock genes in the rat pineal.

Prof. N. Saha is collaborating research with Prof. D. Häussinger, Director, Department of Gastroenterology, Hepatology and Infectious Disease, Heinrich-Heine University of Düsseldorf, Düsseldorf, Germany in the field of molecular mechanism of bile acid excretion and hepatic encephalopathy.

## **Biotechnology and Bioinformatics**

### **Academic/Professional collaborations:**

A collaborative research work in the field of Molecular Genetics (precisely on DNA repair) was carried out under the Educational & Scientific Exchanges between A. Chatterjee, N.E.H.U. and Prof. F. Palitti, University of Tuscia, Italy.

A collaborative research work in the field of Molecular Genetics (role of glutathione on cellular radio sensitivity) is going on with Dr. S Chandna of Institute of Medicine and Allied Sciences, Ministry of Defence, New Delhi.

## **Chemistry**

### **Academic/Professional Collaborations:**

Prof. K. M. Rao has academic collaboration with Dr. Therrien Bruno, Institut de Chimie, Université de Neuchâtel, Switzerland. Prof. R.H. Duncan Lyngdoh is in collaboration with Prof. H.F. Schaefer, Director, Centre for Computational Chemistry, University of Georgia, USA, and has worked on a review of high level quantum chemical studies on radical ion constituents of DNA. Dr. A.K. Chandra has research collaboration with the Computational Chemistry Group of the University of Leuven, Belgium. Dr. S. Mitra has research collaboration with Prof. N. Tamai (Kwansei Gakuin University, Japan), Prof. S. Mukherjee, (IACS, Kolkata) and Dr. S. Kar (ChemGen Pharma International, Kolkata). Dr. A. Lemtur has research collaboration with the Department of Science and Technology, Government of Nagaland. Dr. M. K. Sahoo is collaborating with Dr. D. B. Naik of the Radiation and Photochemistry Division, BARC and with the National Centre for Free Radical Research, Pune University.

## **Physics**

### **Academic/Professional Collaboration:**

Prof. P. Shukla has initiated research collaboration on the modeling of magnetic materials with Prof. P.M. Duxbury and his research group at the Department of Physics and Astronomy, Michigan State University, USA.

Prof. P. Shukla is engaged in research collaboration with Prof. T.J. Sluckin of the School of Mathematics, University of Southampton, U.K., on random field methods in physics and biology. The research is supported by a grant from the Royal Society of London.

Prof. S. Kumar has research collaboration with (i) Dr. P.K. Patra of Centre for Science Education, NEHU, Shillong and (ii) Dr. L. J. Singh of Department of Electronics and Communication Engineering, NEHU, Shillong on the mechanical properties of multiwalled carbon nanotubes.

Prof. P. Nongkynrih has collaborative research with Dr. V. D. Puranik, Head and other Scientists of EAD, BARC, Trombay related to radiological impact assessment at Uranium Mining sites in Meghalaya.

Dr. M.C. Mahato has collaborative research with Prof. A. M. Jayannavar, Institute of Physics, Bhubaneswar as the Principal Collaborator in the research project "Study of particle motion in noisy environment".

Dr. A. Saxena has collaborative research with (i) Dr. D. Walia, CES, NEHU, Shillong, (ii) Dr. B. K. Sahoo, Dr. Y. S. Mayya, EAD, BARC, (iii) Dr. P. K. Wattal, and Dr. A. Acharya, BETDD, BARC, Mumbai.

### **Basic Science and Social Sciences**

#### **Academic/Professional Collaboration:**

Dr. A.K. Das and Dr. Jyoti Narayan have collaborative research works with Prof. B. Kharbuli of Department of Zoology, NEHU, Shillong and Dr. S. K. Jha of BARC, Trombay on study of Radionuclides and Trace Elements' concentrations in the Environmental Matrix around the Uranium mining sites at Domiasiat in Meghalaya.

Mr. S.K. Mawiong and Ms. Eva Giri have collaborative studies with Prof. B. Kharbuli of Department of Zoology, NEHU, Shillong and Prof. B.S. Mipun and Prof. D. K. Nayak of the Department of Geography, NEHU, S. S. Chaturvedi of Centre for Environmental Studies, NEHU and Mr. A. K. Maji of the Department of Information Technology, NEHU, Shillong and Dr. Mohan Chougaongar of BARC, Trombay on health status and demographic pattern of population around Domiasiat area, West Khasi Hills, Meghalaya.

### **Sophisticated Analytical Instrument Facility**

#### **Academic/Professional Collaborations:**

Dr. S. Dey has research collaboration with Central Muga & Eri Research & Training Center, Jorhat, Assam, and Northeast Institute of Science & Technology (CSIR), Jorhat.

#### **12. Research grants received from various agencies:**

<b>Funding Agency</b>	<b>Total Funding (Rs. In Lacs)</b>
Ministry of Tribal Affairs	0.75
ICSSR, New Delhi	1.80
ICSSR, NERC	0.645
MHRD, New Delhi	21.9
UGC	441.75
DST	173.82
DAE	171.583
DRDO	21.464
SAP – DSA	9.87
DBT	103.00
CAS	4.26
CIFOR	13.34
MoEF	36.34
Ministry of Culture, Govt. of India	2.50
NEECOL	0.40
NEC	0.25
Indian Council of Philosophical Research	1.75
DEC, IGNOU, New Delhi	8.75
Meghalaya Urban Development Agency	1.50
DRDA, Tura	25.00
WAPCOS	3.55
IFAD	4.50

MoHFW	10.59
NMPB	7.06
CSIR	3.35
ICHR	0.25
IAWS	0.50
INSA	1.50

### 13. Details of research scholars:

Commerce:	17
Economics:	5
Library and Information Science:	8
Management:	7
Education:	10
Education (Tura):	1
English:	2
Garó:	1
Hindi:	1
Khasi:	4
Linguistics:	7
Philosophy:	4
Adult and Continuing Education:	2
Anthropology:	24
Geography:	5
Rural Development and Agricultural Production:	3
Environmental Studies:	9
Bio-Chemistry:	9
Botany:	17
Zoology:	11
Chemistry:	9
Mathematics:	3
Physics:	10
History:	15
Political Science:	5
Sociology:	9
Cultural and Creative Studies:	5
<b>TOTAL</b>	<b>203</b>

### 14. Citation index of faculty members and impact factor:

Sl. No.	Department	Citation Index	Impact Factor
1.	Botany	750	0.8 – 4.004
2.	Information Technology		0.391

## 15. Honors/ Awards to the faculty:

### Commerce

**Honours/Awards/Recognition:** Dr. A.P. Pati got the Best Business Academic Year Award, 2007 (Silver Medal) by Indian Commerce Association during the 60<sup>th</sup> Annual Conference held at Osmania University, Hyderabad 27-29 December 2007.

Dr. V. K. Shrotryia conferred Fellow of the Indian Commerce Association, during the 60<sup>th</sup> Annual Conference held at Osmania University, Hyderabad, 27-29 December 2007.

### Management

**Honours/Awards/Recognition:** Dr. K. Mishra was awarded the Commonwealth Foundation Fellowship to visit Singapore to attend 16<sup>th</sup> AMIC International Conference on Media Issues and Challenges.

### Garo

**Honours/Awards/Recognition:** Ms. Mirabella G. Sangma a student of 4<sup>th</sup> Semester 2008 was awarded Grant of Outstanding student on 25.3.08 approved by the Vice-Chancellor, NEHU, Permanent Campus, Shillong.

Dr. F.K. Marak has been awarded the Degree of Doctor of Philosophy (Ph.D) on the 16<sup>th</sup> April 2008.

### Philosophy

**Honours/Awards/Recognition:** Dr. Prasenjit Biswas selected under ICPR , New Delhi “Indo-French Cultural Exchange Programme” to participate at Joint Colloquium at Maison des Sciences Homme at Paris.

Dr. E.R.Tongper served as Professor and Dean of the Faculty of Theology for two years (2005-2007) in Allahabad Agricultural Institute-Deemed University (AAIDU) Allahabad.(Ref.No.F.19-242/Estt.II-927, dated 16.3.2005).

Dr.Basil Pohlong selected for Indo-Thai Fellowship (ICSSR).

### Centre for Distance Education

**Honours/ Awards/ Recognition:** Dr. R. N. Rai: (i) Nominated as the Council Member of Indian Academy of Applied Psychology from March, 2008. (ii) Nominated as the Member of National Memory Council (NMC) from October 2007. (iii) Nominated as a Member of the North Eastern Zonal Coordination Committee (NEXCC) of the Rehabilitation Council of India, New Delhi.

Prof. Debjani Roy: Lions Club Florentine conferred the recognition as the ‘Evolved Women of the Year – 2007’ in the field of Academic and Social contributions.

### Geography

**Honours/Awards/Recognition:** Prof. D. K. Nayak appointed as member, Joint National Committee of International Union of Geology & Geodesy and International Geographical Union for a period of four years w.e.f. January, 2008.

Prof. D. K. Nayak appointed National Correspondent, International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) for a period of four years w.e.f. January, 2008.

### **Centre for Environmental Studies**

**Honours/Awards/Recognition:** Dr. S.S. Chaturvedi was awarded Prof. E. P. Odum Memorial Gold Medal for the year 2007 by the International Society for Ecological Communication, India.

### **Biochemistry**

**Honours/Awards/Recognition:** (i) Prof. R. N. Sharan a Member of PRC, ICMR, New Delhi. (ii) Dr. Arvind Kumar Singh has been awarded the prestigious Marie Curie Fellowship in the School of Civil Engineering and Geosciences, Newcastle University, Newcastle upon Tyne, UK.

### **Botany**

**Honours/Awards/Recognition:** Professor Tandon was appointed the Member of the following committees/boards etc.:

(i) Member, Scientific Advisory Committee to the Cabinet, Government of India (ii) Member, Board of Governors, National Institute of Technology, Srinagar, J&K (iii) Member, Himalayan Biodiversity Centre for Excellence, Himachal Pradesh University, Simla (iv) Chairman, Research Advisory Committee, National Research Centre for Orchids, Pakyong, Sikkim (v) Member, Research Council, North East Institute of Science and Technology, Jorhat

Professor Tandon was elected the Sectional President of the Biological Sciences of the 77<sup>th</sup> Annual Session of the National Academy of Sciences, India and delivered the Presidential Address on 'Plant Diversity of India – Time to Move Ahead' at Central Food Technological Research Institute, Mysore during December 6-8, 2007.

Prof. A. K. Misra was nominated as Chairman of Technical session at the 2<sup>nd</sup> International Conference on Trends in Cellular and Molecular Biology, held at Jawaharlal Nehru University, New Delhi on January 5-7, 2008. He was appointed as a member of evaluation team for selecting best poster at the 2<sup>nd</sup> International Conference on Trends in cellular and Molecular Biology held at Jawaharlal Nehru University, New Delhi, held on 5-7 January, 2008.

Dr H. Kayang was nominated as one of the Members in the Research Advisory Committee (RAC) of Central Muga Eri Research & Training Institute, Central Silk Board, Ministry of Textiles: Govt of India, Lahdoigarh, Jorhat, Assam for a period of 3 years from 2007 – 2010.

Panna Das (Supervisor: H. Kayang) was awarded the Best Posters presentation entitled "Stamp pad ink, an effective stain for observing arbuscular mycorrhizal structure in roots" at the 77 Annual Session and Symposium, on novel Approaches for food and nutritional Security of The National Academy of Sciences, India held during December 06 -08, 2007 at Central Food Technological Research Institute, Mysore.

Prof. S. K. Barik was appointed as a Member of the Policy Sub-Group of Shifting Cultivation Task Force, constituted by Ministry of Environment and Forest, Government of India. He was appointed as Chairman of the Study Steering Committee of TIFAC (Technology Information and Forecasting Council), Department of Science and Technology, Government of India. Was also appointed by Ministry of Environment and Forests, Government of India as a Member of the State Expert Appraisal Committee under Environmental Protection Act, 1986.

## Zoology

**Honours/Awards/Recognition:** Prof. V. Tandon was awarded E. K. Janaki Ammal National Award for Taxonomy, 2006: Animal Sciences from Ministry of Environment & Forests, GOI. She was nominated as member of Third World Organization for Women in Science (TWOS), 2007. Pramod Kumar Prasad (Supervisor V. Tandon). Prof. M.B. Mirza Medal for the best publications of research work done in India; C. Malsawmtluangi (Supervisor) Best poster award. L.M. Goswami ((JRF, DBT project of VT) - Best paper presentation award at the “National Symposium on Advances in Zoology: Faunal Diversity and Ecophysiology” organized by and held at Department of Zoology, NEHU, March 13-14, 2008.

Prof. B. K. Sharma was conferred the award of “Eminent Scientist of the year 2007” by National Environmental Science Academy, New Delhi.

Prof. B. B. P. Gupta was felicitated by the Indian Society for Comparative Endocrinology in the inaugural session of the “National Symposium on Comparative Endocrinology & Reproductive Physiology: Insights and Challenges” held at Visva Bharati, Santiniketan, November 26-28, 2007 for his significant contribution to the fields of Comparative Endocrinology and Reproductive Physiology.

Ms. Saipari Sailo, Research Scholar (supervisor: Prof.R.N.K.Hooroo) received the Best Participant Award during the 1<sup>st</sup> SERC School in Herpetology, Department of Zoology, North Orissa University, Baripada, December 27, 2007 to January 8, 2008. Ms. Saipari Sailo Research Scholar (Supervisor: Prof.R.N.K.Hooroo) received the second best oral presentation award for the paper entitled “Amphibian Diversity in Mizoram” at the National Symposium on “Advances in Zoology: Faunal Diversity and Ecophysiology” March 13-14, 2008. Department of Zoology, NEHU, Shillong.

Dr. S. Datta, Research Scholar (supervisor: Prof. N. Saha) received the “Swarna Jayanti Puroskar” by the National Academy of Sciences India in the year 2007.

## History

**Honours/Awards/Recognition:** Professor F. A. Qadri has been nominated Member of the National Council For Promotion of Urdu Language, New Delhi by the Ministry of the HRD, Government of India [vide Letter No.F.No.1-18/2007 D-111 (L) dated 3<sup>rd</sup> March, 2008].

### 16. Internal resources generated:

Data not available.

### 17. Details of departments getting SAP, COSIST (ASSIST), DST, FIST, etc., assistance/ recognition:

Seven departments are supported by the UGC’s Special Assistance Programme (Botany, Biochemistry, Chemistry, History, Sociology, Geography and Zoology). The department of Botany has been upgraded to the level of Centre of Advanced Studies. Three departments (Botany, Zoology and Chemistry) are funded under Committee on Strengthening of Infrastructure for Science and Technology (COSIST). Six departments continue to receive funds for research from the DST under Fund for Improvement for Science and Technology Infrastructure (Biochemistry, Botany, Zoology, Chemistry, Physics and Geography).

## **18. Community services:**

Data not available.

## **19. Teachers and officers newly recruited:**

### **Teachers recruited during 2007-08:**

1. Dr. Bela Keshan, Reader, Department of Botany.
2. Dr. Moon Moon Mazumdar, Reader, Department of Pol.Sc.
3. Ms. N Chaturvedi, Lecturer, Department of English, Retired.
4. Dr. M.J Warsi, Reader, Department of Linguistics, Terminated.
5. Dr. S Goel, Reader, Department of Botany, Retired.

### **Non-Teaching Officers recruited during 2007-08:**

1. Dr. T. D. Ch. Momin, Medical Officer, Tura.
2. Dr. C.A.R Diengdoh, College Development Council.
3. Shri. D.K Biswal, Information Officer, Department of Biotechnology and Bioinformatics.
4. Prof. D.R Syiemlieh, Controller of Examinations.
5. Dr. S.K Prasad, Scientific Officer, RSIC/ SAIF.
6. Shri. J.M Sohtun, Scientific Officer, RSIC/ SAIF.

## **20. Teaching – Non-teaching staff ratio:**

1:2.5.

## **21. Improvements in the library services:**

The university has a well-equipped library with Infflibnet facilities that makes it possible for both teachers and students to have much wider access to quality academic materials. Both housekeeping works and readers service are computerized. At present the NEHU library occupies the 37<sup>th</sup> position in usage among 230 member universities of the UGC-Infonet.

## **22. New books/ journals subscribed and their costs:**

- 1) Books Rs.82, 95,000/- (Non-Plan) Rs. 1, 06, 60,000/- (Plan)
- 2) Journals Rs. 41, 71, 50,000 /-

## **23. Courses in which student assessment of teachers is introduced and action taken on student feedback:**

The university has recently introduced evaluation of teachers by the students. The University is currently formalizing the system of analysis of the feedback and using the same for the improvement of teaching and learning.

## **24. Unit cost of education:**

Unit cost = total annual expenditure budget **Rs 3.75 Lakhs**  
(actuals) divided by the number of students enrolled.

## **25. Computerization of administration and the process of admissions and examination results, issue of certificates:**

Data not available.

**26. Increase in the infrastructural facilities:**

A large number of buildings have been constructed during past five years. These include: Girls Hostels 2 Nos., Boys Hostels 4 Nos., Gymnasium, Community Hall, 42 Residences for Non Teaching Staff, and 3 residences for Teachers, School of Technology, Department of Law, Academic Staff College, Central Library, Department of Economics, Department of Education, Department of Commerce, Department of Library and Information science, Department of Linguistics, Department of Geography, Department of Anthropology, Centre for Environmental Studies, Department of Khasi, Department of Hindi, Department of Biotechnology Buildings.

**27. Technology upgradation:**

Data not available.

**28. Computer and internet access and training to teachers and students:**

The University has a computer Centre where a number of computers are installed for use of all university fraternity. The Central Library has a computer room accessible to all the students and faculty. Almost all the Departments have a common computer room. All the faculty members have been provided computer and internet access at their work desk. Thus any body can access computer and internet any time in the university campus. Almost all faculty members have computer desk top or lap top. The faculty staying at campus have also been provided with internet and telephone connectivity through NEHU VSAT-NDVN. The University has a Central Computing Facility which is open during working hours to all the students and faculty. The university does not charge any fee for this.

**29. Financial aid to students:**

Yes. The university provides financial assistance to deserving students under NEHU Postgraduate Scholarships. Further, the Students' Aid Fund is also made available to poor and deserving students for meeting their expenses towards tuition fees, examination fee, purchase of books and stationeries, hostel charges, etc. All eligible students are supported every year. During 2007-08, a sum of about Rs.100 lacs was distributed by a committee constituted for the purpose to the needy and deserving students as stipends/scholarships.

**30. Support from the Alumni Association and its activities:**

Yes, the university has an Alumni Association, which has been established recently, the students are yet to get its benefit and activities listed are yet to take shape.

**31. Support from Parents-Teachers Association and its activities:**

Parent-Teacher Association is yet to be established.

**32. Health services:**

The University Health Centre has five Medical Officers, several qualified nurses, technicians and other supporting staff. The University has three ambulances in Shillong and one in Tura Campus. The pathological laboratory is equipped with all equipments.

### **33. Performance in sports activities:**

University students regularly participate in games organized by AIU in different universities as a national event. Our students participate mostly in basketball and football. Though their performances are highly appreciated but during last five years they have not won any medals.

### **34. Incentives to outstanding sportspersons:**

The students who are proficient in sports i.e. participated in national levels events are given weightage for admission. They are financially assisted for participation in Inter University competitions held in different parts of the country. The university also provides them necessary support to practice and participate in such events through competent coaches.

### **35. Student achievements and awards:**

I. NEHU UGC Non-NET Fellowship: Total – 130

a) Fresh (First Year):

Ph.D.: 57 (Male – 37 + Female – 32); M.Phil.: 15 (Male – 7 + Female – 8)

b) Renewal (Second Year):

Ph.D.: 73 (Male – 37 + Female – 36)

II. NEHU Post-Graduate Merit Scholarship: Total – 96

Rs. 3 lacs is the budget outlaid for the purpose, i.e. 100 students @ Rs. 250 p.m or Rs. 3000/- per student per annum.

a) Fresh (First Year) – 62 (Male – 21 + Female – 41)

b) Renewal (Second Year) – 34 (Male – 16 + Female – 18)

III. Student Aid Fund 2007-2008: Total – 24

IV.

### **36. Activities of the Guidance and Counseling cell:**

Data not available.

### **37. Placement services provided to students:**

A Placement Cell has been established recently and a counselor has been appointed, besides this the need is largely fulfilled by their teachers who suggest what their students should do, where they should apply, and how they should prepare. Most students of this university are employed in teaching and related jobs. Some are also self-employed after completing their masters and research. The university gives a course on Entrepreneurship through distance mode in order to fill this gap. The students are placed as teachers, extension educators and field level workers in NGO's and also as State Project Officer under United Nation Development Programme (UNDP).

### **38. Development programmes for non-teaching staff:**

The university regularly conducts training programmes for non-teaching staff to upgrade their knowledge/expertise with the functioning of the official procedures including computer uses.

The university conducts faculty development programmes including refresher courses for teaching and non-teaching staff. Also it sponsors them for such programmes conducted by other university/institutions in the country.

### 39. Best practices of the institution:

University develops new programmes through a participative interaction in various Boards of Studies and Academic Council. University has recently upgraded its classrooms by providing better furniture and computer aided lecture facilities. Ready accessibility of Faculty encourages students in learning process.

### 40. Linkages developed with National/ International, academic/ research bodies:

Department	Collaborating Agencies
Economics	Govt. of Meghalaya, Planning Commission and UNDP in connection with preparation of State Human Development Report of Meghalaya.
Centre for Adult and Continuing Education	North East India Council of Social Science Research (NEICSSR) Shillong; State Institute of Rural Development (SIRD); District Institute of Educational Training (DIET); Frank Finn Institute, NGOs and other development agencies to share their expertise and other resources.
Geography	KBN (Warsaw, Poland); NESAC, Shillong.
Rural Development and Agricultural Production	National Institute of Rural Development (NIRD), Regional Centre, Guwahati and NIRD, Headquarters, Hyderabad; CAPART & IAMR, New Delhi; SIRD, Guwahati and ICAR Research Complex for NEH Region, Barapani. The Department has also developed networking with the local level NGOs.
Centre for Environmental Studies	Centre for International Forestry Research, Bogor, Indonesia; BARC, IIG, Navi Mumbai; NGRI, Hyderabad; Department Statistics and Programme Implementation, Government of India, New Delhi
Biochemistry	University of Konstanz, FRG; University of Dundee, UK; Uppsala University, Sweden; University of California; Institute of Enzyme Research, Japan; Toho University, Japan; Research Center Juelich, FRG; Osaka University, Japan; University of Cambridge, UK; JNU, New Delhi; BHU, Varanasi
Botany	Oregon State University, Corvallis, USA, University of Ljubiana, Slovenia; CIFOR, Bogor, Indonesia; ICIMOD, Kathmandu, Nepal; TERI, New Delhi; Indian Institute of Science, Bangalore; University of Agricultural Sciences, GKVK, Bangalore; Indian Institute of Remote Sensing, Dehra Dun; Tea Research Association, Toklai; North-Eastern Regional Institute of Science and Technology, Nirjuli, Itanagar; ICAR Research Complex for N. E. Hill Region, Barapani, Shillong; Botanical

	Survey of India, Shillong; Meghalaya Pollution Control Board, Shillong; NBPGR, Regional Centre, Shillong; Forest Department, Government of Meghalaya, Shillong.
Zoology	Zoological Survey of India, Kolkata/Shillong; Department of Cell Biology and Anatomy, J. G.-University of Mainz, Mainz, Germany; Department of Gastroenterology, Hepatology and Infectious Disease, Heinrich-Heine University of Düsseldorf, Düsseldorf, Germany.
Biotechnology and Bioinformatics	University of Tuscia, Italy; Institute of Medicine and Allied Sciences, Ministry of Defence, New Delhi.
Chemistry	Institut de Chimie, Université de Neuchâtel, Switzerland; Centre for Computational Chemistry, University of Georgia, USA; Computational Chemistry Group, University of Leuven, Belgium; Kwansai Gakuin University, Japan; IACS, Kolkata; ChemGen Pharma International, Kolkata; Department of Science and Technology, Government of Nagaland; Radiation and Photochemistry Division, BARC; National Centre for Free Radical Research, Pune University.
Physics	Department of Physics and Astronomy, Michigan State University, USA; School of Mathematics, University of Southampton, U.K.; Centre for Science Education, NEHU, Shillong; Department of Electronics and Communication Engineering, NEHU, Shillong; EAD, BARC, Trombay; Institute of Physics, Bhubaneswar; CES, NEHU, Shillong; EAD, BARC; BETDD, BARC, Mumbai.
Basic Science and Social Sciences	Department of Zoology, NEHU; BARC, Trombay; Department of Zoology, NEHU; Department of Geography, NEHU; Centre for Environmental Studies, NEHU; Department of Information Technology, NEHU; BARC, Trombay.
Sophisticated Analytical Instrument Facility	Central Muga & Eri Research & Training Centre, Jorhat, Assam; Northeast Institute of Science & Technology (CSIR), Jorhat.

**41. Any other relevant information:**

**PART – C**

**Detail plans of the institution for the next year:**

There is no specific plan of the University for the particular year 2008-09. However, the University has made Planning for the entire XI<sup>th</sup> Plan Period starting from 2007 to 2012.

Initially, the University has submitted a Plan Proposal for the XI<sup>th</sup> Plan (Phase-I) amounting to Rs. 51,722.00 lacs i.e. (1) General Development Grant Rs. 48,816.00 lacs (2) Merged Schemes Rs.

2906.00 lacs. As against the Plan Proposals submitted, UGC approved Rs. 12,380.00 lacs for General Development Grant, Rs. 517.50 lacs for Merged Schemes and Rs. 800.00 lacs towards Fellowship for doing M.Phil./ Ph.D. Hence, the total allocation comes to Rs. 13,69.50 lacs.

During the XIth Plan period the University has also proposed to upgrade the three Centres of Studies viz. Centre for Adult & Continuing Education, Centre for Cultural and Creative Studies and Centre for Environmental Studies to Academic Departments without any financial implications.

**Prof. B.K Tiwari**  
**Coordinator**  
**Internal Quality Assurance Cell**

**Prof. P Tandon**  
**Chairperson**  
**Internal Quality Assurance Cell**