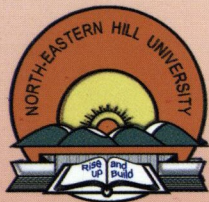
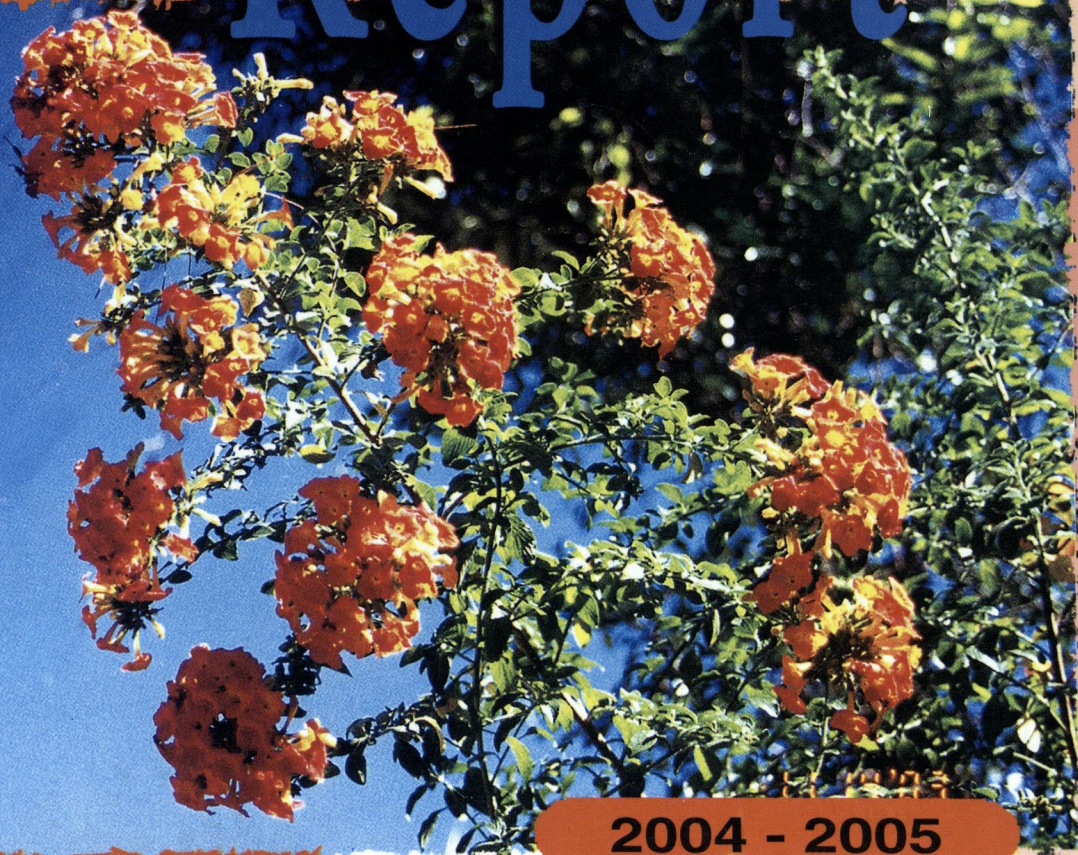


North-Eastern Hill University



Thirty-first
Annual
Report



2004 - 2005

North-Eastern Hill University

Visitor	: Dr. A.P.J. Abdul Kalam The President of India
Chancellor	: Professor André Béteille
Chief Rector	: Shri M.M. Jacob The Governor of Meghalaya
Vice-Chancellor	: Professor Mrinal Miri
Pro-Vice-Chancellor Tura Campus	: Professor S.S. Khare
Registrar	: Professor D.T. Khathing
Finance Officer	: Shri J. Lungdim
Controller of Examinations	: Dr. A. Patton
Librarian	: Smt. I. Majaw
Deans of Schools:	
School of Humanities and Education	: Professor (Mrs.) Temsula Ao
School of Life Sciences	: Professor R. Lalthantluanga
School of Physical Sciences	: Professor M.K. Mahanti
School of Social Sciences	: Professor C. Nunthara
School of Economics, Management and Information Sciences	: Professor Eugene D. Thomas
School of Human and Environmental Sciences	: Professor Surendra Singh

Website: www.nehu.ac.in

North-Eastern Hill University

Shillong

Thirty-first Annual Report



2004-2005

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From the Vice-Chancellor's Desk

It is a pleasure to write this foreword to the Annual Report of the university for the year 2004-05, which was one of the most fruitful years I know of. The university faculty not only organized a record number of refresher courses, seminars, conferences, and workshops, but also produced an impressive list of publications both in terms of quantity and quality. The extension and consultation activities of the university faculty, particularly those working in the centres of studies, are also very impressive. Their achievements with regard to bringing funds for research, infrastructure building, and seminars/conferences etc. have also been commendable. It appears that, although only about three decades old, an academic synergy has begun. It is no wonder that more than a dozen of our faculty members received various national awards, honours and recognitions. I think it is also for the first time in the history of any Indian university that both the chancellor (Professor André Béteille) and the vice-chancellor (Professor Mrinal Miri) were awarded one of the highest civilian awards of the



country, viz., Padma Bhushan, during the year under report.

The achievements of the university in the fields of examination, sports, national social service, promotion of the national language, protection of the rights of the weaker sections of society like women, Scheduled Castes and Scheduled Tribes, and implementation of the Right to Information Act has been commendable, and I wish to give due credit to Professor Mrinal Miri, the former vice-chancellor of this university for steering it to a height that is not easy to sustain. He made very serious efforts during the year under report to bring all departments and centres of studies to the main campus and provide not just physical infrastructure but also Voice and Data Network for

every faculty member and research laboratory. With the support of university faculty, officers and students I hope to be able to successfully complete the other good works that my predecessor had started in the long-term interest of our university.

I think the most important message this report gives is that North-

Eastern Hill University is a thriving and highly vibrant university. I wish to convey such a message to the honourable members of our parliament and to fellow universities year after year.

Pramod Tandon

Campus Bloom at Bijni



Cover photograph by
Dr. Kynpham Sing Nongkynrih

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NEHU at a Glance

North-Eastern Hill University (NEHU) 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 North-East Region, and, in particular their intellectual, academic and cultural advancement”.

Originally the university had four campuses: Shillong (Meghalaya), Medziphema & Kohima (Nagaland) and Aizawl (Mizoram). With the establishment of Nagaland and Mizoram universities NEHU now has the Shillong Campus and a newly established Tura Campus, both in Meghalaya. Currently the university has 24 departments of studies and six centres of studies. Seven departments (Botany, Zoology, Chemistry, History, Sociology, Philosophy, and Geography) are supported by SAP, three (Botany, Chemistry, Zoology) by COSIST and six departments (Bio-chemistry, Botany, Zoology, Chemistry, Physics, and Geography) have received special funds from DST under FIST. The university has a University Science Instrumentation Centre and Sophisticated Analytical Instrumentation Facility to facilitate research and a Campus Development Department and a Planning Department for physical and academic planning of the university.

The university's main campus is located in a reserve forest area of 1025 acres covered with lush green pine trees. The master plan includes a shopping complex and a deer park on the campus.

There are 54 affiliated colleges. The syllabi for various Under-Graduate courses and their examinations are developed and conducted by NEHU. Quality is monitored by regular visiting teams whose reports are placed in the Academic Council, the highest body of the university for taking academic decisions. The College Development Council of the university co-ordinates all matters related to affiliated colleges. Admission to various courses is based on a combination of merit, test and interviews. Reservation for SC/ST is provided.

The university functions according to the Act, Statutes, Ordinances, Regulations and Rules, which are amended from time to time to address the changing needs of the university community and with due approval of the concerned authorities like the Ministry of Human Resource Development and the Visitor, the Presi-

dent of India. There is a standing committee to suggest and draft amendments as and when such a need arises for academic and administrative efficiency.

Considering the fact that North-East India is a biodiversity hot-spot and encompasses a range of zoological, botanical, cultural, social, historical and language diversities, NEHU is in a unique position to undertake studies on these aspects. The university has made a beginning by establishing the North-Eastern Biodiversity Research Cell (NEBRC), funded by North Eastern Council, and the State Resource Centre funded by the Central government. The departments of Law, Statistics and Biotechnology have started in the Shillong Campus.

For greater interaction and a vibrant academic life on the campus the university has accommodated NCSM, IGNOU, ICSSR, Sports Authority of India, and CIEFL in its Permanent Campus in Shillong.

Through special efforts during the past five years, the university procured funds from Department of North-Eastern Region and has completed the buildings for the Central School, the Central Library and eight academic departments.

Academic programmes are closely monitored through boards of studies, school boards, board of research studies and the Academic Council. Internal assessments by teachers regularly monitor the course-wise progress of students. Teaching, conduct of examinations and declaration of results have always been on time and as per the university calendar. A standing committee has also been set up to deal with urgent examination matters. Computerisation of the examination section is underway. The university is discussing details and negotiating for computerisation and networking of the departments of administration, finance, personnel, and other departments.

The university has set up an SC-ST Cell, a Grievance Cell, a Hindi Cell, a Statistics Cell, an Accreditation Cell, a Women's Cell, a Vigilance Office, and a Public Information Cell.

The university organizes refresher courses for teachers of universities and colleges, and encourages participation of young teachers in national and international symposia/seminars/conferences, it also encourages collaborations with labs/institutions of national and international repute. The syllabi are revised regularly.

A Voice-Data Network exists on the university Permanent Campus. It affords faculty and students Internet access as well as to UGC Infonet and Inflibnet.

The university has set up various committees to discuss, evolve and put up to the Academic Council inter/multi-disciplinary academic programmes, including a flexible time-frame matching the students' convenience to enable them to take up one skill-oriented course simultaneously with their regular degree courses. The university is also on the threshold of starting credit-based courses at the post-graduate level to enable its students to take some credit courses elsewhere, as well as to facilitate some students from Europe and America to take some credit courses here. The university has set up a Central Admission Committee for the admission of foreign students.

Towards modernising management the university has initiated an Administrative Staff Programme for developing skills and knowledge of rules for group B and C staff. For the purpose the university is planning to acquire a University Management System Software.

SCHOOL OF ECONOMICS, MANAGEMENT AND INFORMATION SCIENCES

The school comprises three departments, namely Commerce, Economics, and Library and Information Science. It admits students to both the Masters and Doctoral programmes.

One scholar each from the departments of Economics and Library & Information Science has been awarded doctoral degree during the year under consideration.

The faculty members of the school have produced a large number of research papers in professional journals, and contributed chapters to a number of books. They have also presented papers in a number of regional, national and international seminars and conferences held abroad and within India. A number of faculty members have been invited as Resource Persons as well as to chair sessions in seminars, workshops and Refresher Courses within and outside NEHU. A faculty member of the Department of Economics authored one book, while another edited two books.

Two research projects have been completed in the Department of Economics. One major research project entitled "Financial Sustainability of Micro Lending Through SHG-Bank Linkage Programme: A Study of Meghalaya" sponsored by the ICSSR is under execution in the Department of Commerce. Two major projects, "Human Development in Meghalaya" sponsored by UGC and "State Specific Strategy in Development of STs in North-Eastern States" sponsored by the Ministry of Tribal Affairs, Govt. of India are under execution in the Department of Economics.

The Department of Economics organised the following programmes during the year: (a) A two-day workshop on "Farmer's Rights and Livelihood of North-East Himalayan Farmers" in collaboration with the Consumer Unity and Trust Society (CUTS), Kolkata, and (b) A one-day consultative workshop for drafting a course curriculum on Human Development for under-graduate and post-graduate students

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in Indian universities and colleges sponsored by UNDP, Planning Commission and the Institute of Human Development, New Delhi. The Department of Library and Information Science organised the following programmes: (a) A three-day workshop on "Library Database System: Design and Development" in collaboration with the Directorate of Art & Culture, Govt. of Meghalaya and sponsored by Raja Rammohun Roy Foundation, and (b) A five-day workshop on "Bibliographic Database Designing in Libraries" in collaboration with ICSSR-NERC.

A Professor in the Department of Economics continued as a Member of the Meghalaya State Planning Board and MHRD Nominee to the Sikkim Government State Level Grants-in-Aid Committee (Elementary Education & Literacy).

DEPARTMENT OF COMMERCE

Telephone No. **0364-2723161 (O)**
 0364-2551938 (R)
Email ***nagaripanda@yahoo.com***

Thrust Area of Research: The following are the thrust areas of research in the department:

1. Accounting
2. Finance and Control
3. Management and Small Business

Brief Statement of Academic Activities: There are five teachers against the sanctioned strength of eight. Currently the department has 78 students on roll at M.Com level. The new M.Com syllabus has been adopted from the academic session 2003-04. The new syllabus follows closely the UGC model-syllabus with the addition of a new area of specialization, i.e., Small Business and Entrepreneurship. The courses have been organized around the thrust areas of the department. The department in addition to regular teaching conducts weekly seminars for the students with the following twin objectives:

- (a) To enable them enhance their presentation skills.
- (b) To share the outcome of their project/field work.

School of Economics, Management and Information Sciences

Head: Dr. N.M. Panda

Faculty:

Readers N.M. Panda, M.Com.(Utkal), Ph.D. (M.U), FDPM (IIMA)
A.P. Pati, M.Com./Ph.D. (Utkal)
V.K. Shrotryia, M.Com./Ph.D. (Rohilkhand)

Lecturers R.A.J. Syngkon, M.A./M.Com. (NEHU)
A. Dash, M.Com./Ph.D. (Utkal)

Visiting Professors/Fellows: Prof. K. Ramakrishnan joined the department as a visiting faculty for a period of one year with effect from 17th March 2005. He has been the Director of the School of Management, Bharathiar University, Coimbatore, Tamilnadu.

Student Intake:

a. Enrolment capacity :	45					
b. Actual admission :	SC/ST	Genl.	Male/Female	Total		
	M.Com.	27	18	28	17	45
	Ph.D.	2	4	4	2	6

Degrees Awarded:	SC/ST	Genl.	Male/Female	Total		
	M.Com.	23	9	19	13	32

Courses Conducted: Business Policy, Statistical Analysis, Business Economics, Financial Management, Principles of Marketing, Indian Financial System, Management of Small Business, Financial Management II, Agricultural Marketing, Advanced Commercial Banking, Advanced Financial Accounting, Cost and Management Accounting, Corporate Reporting, Organisational Behaviour.

Study Tour/Field Trips of Students: The department conducted a study tour of 21 days to Jaipur and Delhi during January 2005 under the leadership of Dr. A. Dash.

Seminars/Workshops:

Attended:

Dr. N.M. Panda. (i) Presented a paper entitled "Industrialization in North-East

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India – What Hampers the Most?” at the regional seminar on “Industrial Scenario in the North Eastern States” organized by Shillong Commerce College at Shillong on 4-5 March 2005 and chaired the 3rd Technical Session. (ii) Participated in a national workshop organized by the National Institute of Public Corporation and Child Development on 16-17 February 2005 at Bhubhaneswar, Orissa.

Dr. V.K. Shrotryia (i) Sixth International Conference of the International Society for Quality of Life Studies (ISQOLS) held at the University of Pennsylvania, Philadelphia on 10-14 November 2004 (presented a paper entitled ‘Gross National Happiness – Learning lessons from a tiny Kingdom (Bhutan)’ on 11.11.04. (ii) 27th National Accounting Conference of Indian Accounting Association held at Bhubaneswar, organized by the Department of Commerce & Finance & Control, Utkal University, Bhubaneswar, Orissa on December 18-19, 2004. (Presented a paper entitled ‘Accounting, human behaviour and organizational happiness: reconstructing the relationship’ at the international seminar session on Accounting Education and Research) (iii) 57th All India Commerce Conference of All India Commerce Association held at Gujrati Samaj Kanya Mahavidhyalaya, Indore (MP) co-hosted by Devi Ahilyabai University, Indore on 26-28 December 2004 (presented a paper entitled ‘Business Education or Business of Education : Some Issues’). (iv) Participated in a regional seminar organized by Shillong Commerce College, Shillong, Meghalaya on the theme ‘Industrial Scenario in the North Eastern States’ held on 4-5 March 2005 (Presented a paper, co-authored with Ms. Priya Juviang Dkhar, entitled ‘Inflow of Tourists in Meghalaya – A Study for the Period 1997-2004’).

Dr. A. Dash. (i) “Intellectual Monopoly – Does it Matter for Economic Development?”, presented at the national seminar on Intellectual Property Rights, St. Anthony’s College, Shillong, September 2004. (ii) “Mergers & Acquisitions – A Theoretical Perspective”, presented at the 27th All India Accounting Conference, Utkal University, Bhubaneswar, December 2004. (iii) “Socio-Ecologic Accounting and Civil Society”, presented at the International Conference on Business and Finance, ICFAI Business School, December 2004.

Publications:

Published in India

Dash, A. 2004. “Value Creation through Mergers-The Myth and Reality”. *Applied Finance*, 10 (10): 43-54.

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- Dash, A. 2005. "The Post Merger Profitability Puzzle: An Indian Experience". *Accounting Research*, IV (1): 40-61.
- Panda, N.M. 2004. "An Approach to Implementation of ABC System in India". *The Business Review*, 10 (2): 115-120.
- Pati, A.P. 2004. "A Study on the Viability of RRBs as Rural Financial Institutions in the Liberalised Environment". In *Globalisation and Development Dilemma*. (Ed) M.C. Behara. New Delhi: Mittal Publication, 247-264.
- Pati, A.P. and Shrotryia, V.K. 2005. "Corporate Governance in Public Sector Banks – Issues and Challenges". *The Journal of Accounting and Finance*, 19(1): 54-66.
- Shrotryia, V.K. 2004. "Historical Cost Vs Replacement Cost – Accounting for Human Potential". *Business Analyst*, 25 (2): 37-46.

Funds Received from Agencies other than NEHU: Rs. 3.4 lakhs towards a Major Project from ICSSR on "Financial Sustainability of Micro Lending Through SHG-Bank Linkage Programme: A Study on Meghalaya".

Infrastructure Facilities: The department has developed a small computer lab and a Learning Resources Centre for the students.

Research Projects Ongoing: Dr. A.P. Pati undertook a Major Project from ICSSR on "Financial Sustainability of Micro Lending through SHG-Bank Linkage Programme: A Study on Meghalaya". Amount of fund sanctioned for the project is Rs. 3.4 lakhs.

Other Activities:

Dr. N.M. Panda (i) Acted as a Resource Person at a one-day seminar on Rural Employment organized by SRC, NEHU in collaboration with KVIC on 27th August 2004 at Shillong and delivered a lecture on "Contribution of Entrepreneurs towards Community Development Process. (ii) Acted as a Resource Person in a training programme conducted by RTI, Shillong on 1-7 September 2004. (iii) Audit Risk, and Statistical Sampling in Audit. (iv) Audit of Inventory and Material Management. (v) Participated as a Resource Person in a training programme on "Customer Relationship Management" organized by Sub-Zonal Training Institute, Shillong (Unit of NATRSS), Employees' Provident Fund Organisation on 28-30 October 2004 and delivered talks covering identifying prospects. Creation of Loyal Customer, Measurement of Customer Satisfaction and Benchmarking Customer Delight, etc. (vi) Participated as a Resource Person in a workshop organized by Rajiv Gandhi

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National Institute of Youth Development at NEHU, Shillong, delivered a talk on "Enterprise Management-marketing and Finance" on 20.11.04.

Dr. V. K. Shrotryia (i) Participated in a national workshop on the 'Trends in Accounting Research' held on 30th April – 3rd May 2004, organized by Invertis Institute of Management Studies, Bareilly (UP) India. (ii) Participated in a Faculty Development Programme at Hyderabad on 17-21 May 2004 organised by the Institute of Chartered Financial Analyst of India (ICFAI) Hyderabad, India. (iii) Participated in a workshop organized by the Institute of Human Development, New Delhi in association with the Department of Economics, NEHU for drafting syllabi for under-graduate and post-graduate level studies in Human Development, held on 4th October 2004 at NEHU Guest House.

Mr. R.A.J. Syngkon (i) Participated in the four-day workshop on 'Economic Reforms and Indian Agriculture with special reference to North-East India' organized by the Sociological Research Unit, ISI, Kolkata in collaboration with North-East Institute of Development Studies, NEHU, on 21-24 February 2005. (ii) Participated in the regional seminar on "Industrial Scenario in North-Eastern States" organized by Shillong Commerce College, Shillong on 4-5 March 2005. (iii) Acted as a Resource Person at the training programme on Agricultural Marketing organized by NEICORD, Shillong at Marshillong, West Khasi Hills District on 23.8.04.

DEPARTMENT OF ECONOMICS

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2550087; 9863024048 (R)
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Thrust Area of Research: The following are the thrust areas of research of the department: Economics of Agriculture, Economics of Rural Development, Econometrics, Economics of Education and Manpower, Economics of the North-Eastern Region, Quantitative Economics, Industrial Economics, Public Economics, Environmental Economics and Issues of Economic Development.

School of Economics, Management and Information Sciences

Brief Statement of Academic Activities: During the year under report, the department concentrated on its post-graduate teaching programmes and research. The department successfully organized two workshops. The faculty members participated in a number of regional, national and international seminar/conferences. They also published research articles in national/ international journals and books. The department included new fields of studies such as Economics of Social Sector, Economics of Gender, Economics of Infrastructure, Economics of Law, etc.

Head: Professor N. Srivastav

Faculty:

Professors S.K. Mishra, M.A. (Bhagal), MRP/Ph.D. (IIT Kharagpur)
 N. Srivastav, M.A. (Rajasthan), Ph.D. (IIT Kanpur)
 E.D. Thomas, M.A./Ph.D. (NEHU)
 P. Nayak, M.A. (Utkal), Ph.D. (IIT Kharagpur)

Readers A. Dubey, M.A. (BHU), Ph.D. (IIT Bombay)
 B. Mishra, M.A./Ph.D. (Utkal)
 Gurudas Das, M.A./Ph.D. (North Bengal)
 U.K. De, M.Sc./Ph.D. (Burdwan)
 B. Panda, M.A./Ph.D. (Utkal)

Lecturers W. Tariang, M.A. (NEHU)
 S. Umdor, M.A. (NEHU)
 P.S. Suresh, M.A./M.Phil. (Tirupati), Ph.D. (Hyd.)

Student intake: a. Enrolment capacity M.A. 55
 M.Phil 20
 Ph.D. 20

Actual admission:	SC/ST	Genl.	Male/Female		From Meghalaya/Outside		
M.A.	2	48	5	27	28	37	18
Ph.D.	-	8	7	7	8	10	5

Degrees awarded:	SC/ST	Genl.	Male/Female		Total	
M.A.	-	38	2	20	20	40

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Ph.D.

1. O.J. Kharpuri, "Poverty, Inequality and Human Development in the North-Eastern Region of India". Supervisor: Dr. A. Dubey.

2. J. W. Lyngskor, "Price Behaviour of Wage Goods and Its Relationship with the Cost of Living of Unskilled Casual Workers in Shillong. Supervisor: Prof. S. K. Mishra.

Courses Conducted:

M.A. : Political Economy; Macro-Economic Analysis I; Mathematics for Economists; Techniques of Statistical Analysis; Macro-Economic Analysis II; Micro-Economic Analysis I; Public Economics; Economics of Development and Planning (the course has been replaced by the Paper titled Economics of Growth and Development); Micro-Economic Analysis II; International Trade; Indian Economy (replaced by Indian Economic Policy); Economics of Environment and North-Eastern Region (replaced by two semester Paper: Economics of Environment and Social Sector I and II).

Optional papers : Monetary Economics I; monetary Economics II; Industrial Economics I; Industrial Economics II; Econometrics I; Econometrics II; Computer Applications in Quantitative Economics I; Computer Applications in Quantitative Economics II; Economics of Agriculture I; Economics of Agriculture II; Labour Economics I; Labour Economics II; Demography I; Demography II; Economics of Gender and Development I; Economics of Gender and Development II; Economics of Infrastructure I; Economics of Infrastructure II; Economics of Law I; Welfare Economics I; Welfare Economics II; Economy of North Eastern Region; Budgetary Theory and Practice.

Seminars/Conferences/Symposia/Extension programmes, etc.:

Organised.

Two-day workshop on "Farmer's Rights and Livelihood of North-East Himalayan Farmers" was held on 7-8 July 2005. It was sponsored by the Consumer Unity and Trust Society (CUTS), Kolkata. The representatives of a cross section of society, farmers and stakeholders were sensitized towards farmer's rights in view of TRIPs. It was suggested that the interests of farmers of N.E. region should be kept in mind by the policy makers while finalizing patent policy.

School of Economics, Management and Information Sciences

One-day consultative workshop for drafting a course curriculum on Human Development for Under- and Post-Graduate students in Indian universities and colleges on 4th October 2004 was sponsored by UNDP, Planning Commission and Institute of Human Development, New Delhi.

Attended.

Prof. S.K. Mishra presented a paper entitled "Poverty, Inequality and Permeability to Globalisation Effects: A Study of Select Villages in Udalguri Sub-division of Assam" at the workshop on Economic Reforms and Indian Agriculture, organized by the Indian Statistical Institute, Calcutta, at Shillong on 21-24 February 2005.

Prof. N. Srivastav presented (i) "A Conceptual Survey of the Measurement of Poverty: Empirical Evidences from North-Eastern India" at the workshop on "Quantitative Economic Analysis" organized by the Indian Statistical Institute, Kolkata at the Department of Economics, Dibrugarh University, Dibrugarh, Assam on 13-20 December 2004. (ii) Paper entitled "Changing Profile of the Service Sector: A Hope for Industrial Development in North Eastern States of India" at the two-day regional seminar on "Industrial Scenario in North-East India" at KJP Assembly, Shillong, organized by Shillong Commerce College and sponsored by North Eastern Council, Shillong on 4-5 March 2005.

Prof. P. Nayak presented a paper entitled (i) "Human Development in Meghalaya" at the national seminar on Human Resource Development in North East India, jointly organized by Economic Science Society of Tripura and Tripura University, Agartala, on 18-19 September 2004. (ii) "Role of Financial Institutions in Promoting Entrepreneurship in Small Scale Sector in Assam" at the national workshop on Entrepreneurship Development in Assam: Challenges and Opportunities jointly organized by North Eastern Centre for Advanced Studies, Silchar and Assam University, Silchar, on 9-10 October 2004. (iii) A paper co-authored with Prof. S.K. Mishra entitled "Gender and Sustainable Development in Mining Sector in India" at the national workshop on "Women and Sustainable Development in the Context of South Assam" organized by the North Eastern Centre for Advanced Studies, Silchar and Women's College, Silchar on 18-19 February 2005.

Dr. A. Dubey attended (i) International Conference on Human Development in India: Microdata Perspectives and presented a paper "How Effective Have Job Reservations in India Been? Caste, Religion, and Economic Status in India" (co-authored with Vani Borooah and Sriya Iyer). The conference was organized by the Department of Economics, Bristol University, U.K. at New Delhi, March 17-18,

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2005. (ii) International Seminar on Wages and Incomes in India: Emerging Patterns and Policy Issues, and presented a paper entitled "Occupational Structure and Wage Differentials in India" (co-authored with Veronica Pala and Orestes J. Kharपुरi). The seminar was organized by Indira Gandhi Institute of Development Research, Institute for Human Development and Indian Society of Labour Economics, Mumbai, December 12-14, 2004. (iii) National Seminar on Transforming the Hill Economy of North East India: Emerging Challenges and Opportunities and presented two papers entitled (a) "Youth Unemployment in the Northeastern States" (with Veronica Pala and Orestes J. Kharपुरi); (b) "Income, Poverty and Inequality in the NE" (with Veronica Pala and Orestes J. Kharपुरi). It was organized by the Institute for Human Development, New Delhi and Arunachal University, Itanagar, November 25-26, 2004. (iv) 50th Anniversary of Lewis Model and presented a paper entitled "Surplus Labour, Social Structure and Rural to Urban Migration: Evidence from Indian Data" (with Richard Palmer-Jones and Kunal Sen). The conference was organized by University of Manchester, U.K., July 6-7, 2004. (v) A one-day workshop and presented a paper entitled "Disparities in Consumption and Poverty Incidence among Social Groups". The workshop was organized by the Indian Institute of Dalit Studies, New Delhi, April 30, 2004.

Dr. B. Mishra (i) Attended and participated in JNU-ICSSR-Cotton College sponsored National Outreach Seminar on "The WTO and India: Issues and Negotiating Strategies", August 11-12, 2004, organized by Cotton College, Guwahati (ii) Participated and presented a paper (with P.S. Suresh) on "Public Expenditure and Human Development in North-East India: A case Study of Meghalaya" at the national seminar on Human Resource Development in the North-East, September 18-19, 2004, organized by Tripura State Resource Centre and Economic Science Society of Tripura, Tripura.

Dr. G. Das presented papers entitled (i) "Unemployment in Manipur: Some Policy Implications" (with K. Gyanendra Singh) at the seminar on "Educated Youths and Unemployment in Manipur", organized by Ercima Gender Employment and Resource Centre at Imphal, held on 24-25 June 2004. (ii) "Rural Development through Entrepreneurs" at a seminar on "Rural Development", organized by State Resource Centre, Meghalaya, in collaboration with KZV Industries Commission, Shillong, held on August 27, 2004 at NEHU, Shillong. (iii) "Globalization and Human Development" at a seminar on "Human Resource Development in North-East India", organised by Economic Science Society of Tripura (ESSOT), on September 18-19, 2004 at Agartala, Tripura. (iv) "Economy of Myanmar: Trends, Structure and Implications for

School of Economics, Management and Information Sciences

North Eastern Region" at a seminar on "Indo-Myanmar Border Trade: Status, Problems and Potential", organized by ICSSR-NERC in collaboration with Manipur University, held on November 8-9, 2004 at Imphal, Manipur.

Dr. U.K. De participated and presented a paper on (i) "Crop Diversification and Farmer Livelihood Options" at the workshop on "Farmers' Rights and Livelihood of North-Eastern Himalayan Farmers" organized by Consumers' Unity and Trust Society and Economics Department of NEHU on 7-8 July 2004. (ii) "Human Resource Development and the Quality of Environment: Some Basic Issues" at the national seminar on Human Resource Development in the North-East, on September 18-19, 2004, organized by Tripura State Resource Centre and Economic Science Society of Tripura, Tripura.

Dr. B. Panda attended and presented a paper entitled (i) "A Comparative Study of Rural Non-Farm Employment in India and Thailand", Asia Fellows Annual Conference on the Changing Asian Landscape: Issues, Challenges and Perspectives, Bangkok, Asian Scholarship Foundation, Bangkok, on 2-3 August 2004. (ii) "Rural Employment Diversification and WTO in the Context of Farmers in the N.E. Region", Farmers Rights and Livelihood – North-Eastern Himalayan Farmers, 7-8 July 2004, Shillong, CUTS, Calcutta.

Mr. S. Umdor attended and presented a paper entitled "Employment in the Manufacturing Sector of Meghalaya 1981-2001" at the two-day regional seminar on "Industrial Scenario in North East India" at KJP Assembly, Shillong, organized by Shillong Commerce College and sponsored by North Eastern Council, Shillong on 4-5 March 2005.

Dr. P.S. Suresh presented a paper entitled "Public Expenditure and Human Development: An Empirical Analysis of North-Eastern States" at the national seminar on "Human Resource Development in the North East" organized by Tripura State Resource Centre and Economic Science Society of Tripura at Agartala, Tripura on 18-19 September, 2004.

Publications:

Published in India

Das, G. 2005. "Cementing the Faultlines: Probable Options". In Imdad Hussain (ed.) *The Guwahati Declaration and Road to Peace in Assam*. New Delhi: Akanisha Publishing House, 71-78.

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- Das, G. 2005. "Land in the Hills of North-East India: Factor Immobility Vs. Market-led Growth". In C. Joshua Thomas (ed.) *Polity and Economy: Agenda for Contemporary North-East India*. New Delhi: Regency Publications, 125-136.
- Das, G. 2005. "Sino-Indian Border Trade for Frontier Development: The Case of India's North East and China's Southwest". In Jayanta Kumar Roy and Prabir De (eds.) *India and China in an Era of Globalization: Essays on Economic Cooperation*. New Delhi: Bookwell, 123-141.
- Das, G. 2005. "Structural Change and Resource Industry Linkages in India's North East: Some Policy Imperatives". In Gurudas Das (ed.), *Structural Change and Strategy of Development: Resource Industry Linkages in North East India*. New Delhi: Akansha Publishing House, 327-335.
- De, U.K. & Bhattacharya, M. 2004. "Self-Help Group in Tripura: Problems and Prospects". In J.K. Gogoi (ed.) *Rural Indebtedness in North East India*. Dibrugarh: Dibrugarh University, 241-250.
- De, U.K. 2004. "Structural Change and Resource Industry Linkages in North-East India". In G. Das (ed.) *Structural Change and strategy of Development: Some Industry Linkages in North-East India*. New Delhi: Akansha Publishing House, 241-263.
- Dubey, A. & Pala, V. 2004. "Labour in the Unorganised Sector". In Debroy, Bibek and Kaushik, P.D. (eds.) *Reforming Labour Market*. New Delhi: Academic Foundation, 337-377.
- Dubey, A. and Chakraborty, M. 2004. "Working Children Around the World: Child Rights and Child Reality (Review)". *The Indian Journal of Labour Economics*, 47 (2): 411-14.
- Dubey, A. and Kharपुरi, O.J. 2004. "Consumer Price Index Manual: Theory and Practice (Review)". *The Indian Journal of Labour Economics*, 47 (3) 538-547.
- Dubey, A., Das, S. and Pala, V. 2002. "Non-Farm Employment and Decline in rural Poverty in India: An Exploratory Exercise". *Manpower Journal*, 38 (2&3): 49-73.
- Dubey, A., Pala, V. and Thomas, E. 2004. "Workforce Participation of Women in Rural India: The Role of Education". *The Indian Journal of Labour Economics*, 47 (4): 749-760.

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- Dubey, A., Satish Kumar, M. and Pala, V. 2004. "Education and Participation of Women in the Labour Force: Evidence from Indian Micro Data". In *Proceedings of the First International Manas University Conference in Economics*. Bishkek, Kyrgyzstan, 157-179.
- Ghosh, B. & De, U.K. 2004. "Panchayat Leadership and Rural Development in Tripura". In A. Mandal (ed.) *Rural Development in West Bengal*. New Delhi: Northern Book Centre, 158-179.
- Mishra, B. 2005. "Public Resource and Its Utilisation: Implications for Development for North-Eastern Region". In G.Das (ed.) *Structural Changes and Strategies of Development: Resource Industry Linkages in North-East India*. New Delhi: Akansha Publishing House, 265-298.
- Mishra, B. and Nayak, P. 2004. "Limit of Micro Credit for Rural Development: A Cursory Look". In J.K. Gogoi (eds.) *Rural indebtedness in North East India*. Dibrugarh: Dibrugarh University, 185-200.
- Mishra, S.K. 2005. "The Leading Approaches to Valuation of Environmental Goods and Services". In K.R. Gupta (ed.) *Environment: Problems and Policies*, Vol. 2 of Encyclopedia of Environment. New Delhi: Atlantic Publishers and Distributors, 211-229.
- Srivastav, N. & Dubey, A. 2004. "How and Why the Access to Public Distribution System does not Enhance the Food Security Among the People of North-East India: An Inter-state Analysis". In M.C. Behera (ed.) *Globalization and Development Dilemma: Reflections from North East India*. New Delhi: Mittal Publications, 295-308.
- Srivastav, N. 2005. "Structure of Service Sector and Development Strategy for Meghalaya". In G. Das (ed.) *Structural Changes and Strategies of Development: Resource Industry Linkages in North East India*. New Delhi: Akansha Publishing House, 129-134.

Published Abroad:

- Mishra, S. K. 2004. "Multicollinearity and Maximum Entropy Leuven Estimator". *Economics Bulletin*, 3 (25): 1-11.
- Mishra, S.K. 2004. "Median as a Weighted Arithmetic Mean of All Sample Observations". *Economics Bulletin*, 3 (18): 1-6.

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Research Programmes/Projects:

New and Ongoing.

Sl No.	Title of the Project	Names of Principal and Joint Principal Investigators	Amount of Fund (Rs.)	Source of Fund
1.	Human Development in Meghalaya	Prof. P. Nayak (P.I) Prof. E. D. Thomas (J.P.I)	2,76,900	U.G.C.
2.	State Specific Strategy in Development of ST in North Eastern States	Prof. E.D. Thomas (P.I.) Prof. P.Nayak & Dr. A. Dash (J.P.I)	3,75,000	Ministry of Tribal Affairs, G.O.I.
3.	India Human Development Programme: NE Scenario	Dr. A. Dubey and Veronica Pala (Co-investigators)	8,00,000	National Council of Applied Economics Research, New Delhi.
4.	Study and Evaluation of Environmental & Socio- Economic Impacts of Coal Mining in Jaintia Hills District of Meghalaya	Dr. A. Dubey and Dr. S.C. Katiyar (Co-Investigators)	9,00,000	Central Pollution Control Board, New Delhi.

Completed.

Dr. A. Dubey and Veronica Pala completed a study on "Social Structure and Educational and Employment Achievements: A Study of Disparities Across Different Social Groups in India". The study was sponsored by the Indian Institute of Dalit Studies, New Delhi. Duration of the study was five months and the cost Rs. 1,32,000/-.

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Dr. B. Mishra completed a Minor Research Project on “Problem of Tax Responsiveness in India: Pilot Study in respect of North-Eastern States”. The project was funded by the University Grants Commission under Minor Research Project in October 2004.

Academic/Professional collaborations: Dr. A. Dubey visited (i) Department of Economics, Cambridge University and started collaboration with Sriya Iyer, Cambridge University and Vani K. Borooah, University of Ulster to work on “Effectiveness of Job Reservation Issues in India”. The first draft of the paper is ready, besides being presented at several conferences and symposia in India and elsewhere, the paper is submitted to an international journal. (ii) School of Development Studies, University of East Anglia, Norwich, U.K. during July 2004 and started collaborative research work with Prof. Arjan Versoor on Gender and Development in India. Paper is submitted to an international journal. (iii) Department of Economics, Aarhus School of Business, Aarhus, Denmark on August 5-14, 2004 and completed a paper on Fertility and the Household’s Economic Status: A Natural Experiment Using Indian Micro Data with Professor Nabanita Datta Gupta. The paper was submitted to *Journal of Development Studies*, which has since been accepted. Also started new collaboration with Prof. Datta Gupta on Child Health and Women’s Labour Market Participation in India. (iv) Arjan de Haan at the Department for International Development, Government of UK, London and completed a paper entitled “Orissa: Poverty, Disparities, or the Development of Under-Development?” Paper is submitted to the *Economic and Political Weekly* which has since been accepted for publication.

Honour/Award/Recognition: Dr. A. Dubey was nominated: (i) Member of the Steering Committee to prepare Meghalaya Human Development Report by the Government of Meghalaya, Shillong. (ii) Member of the Expert Committee to prepare Course Curriculum on Human Development for Indian Universities and Colleges. The committee was constituted at the initiative of the UNDP, New Delhi and the Planning Commission, Government of India, New Delhi. (iii) Co-opted as Technical Advisor to the High Level Committee constituted by the Prime Minister of India to Study the Socio-economic Status of Muslim in India.

Other Activities:

Prof. E.D. Thomas chaired a session in the ICSSR Annual Lecture Series on “Indian Economic Development: Some Reflections” by Dr. S.K. Rao, Principal, Administrative Staff College of India, Hyderabad. Prof. Thomas was also a Member of the Meghalaya State Planning Board.

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Prof. N. Srivastav attended (i) 8th UGC Refresher Course as a Resource Person conducted by the Department of Economics, Gauhati University, Guwahati, Assam and delivered lectures on "Behavioural Economics" and "Asymmetric Information" on 15-16 June 2004. (ii) The 9th UGC Refresher Course as a Resource Person conducted by the Department of Economics, Dibrugarh University, Dibrugarh, Assam and delivered lecture on "Labour Market" and "Information Economics" on 7-8 January 2005.

Dr. A. Dubey visited (i) Indian Institute of Dalit Studies, New Delhi and presented a paper on "Incidence and Change in Poverty: Variation Across Social Groups (co-authored with Arjan de Haan) on 30 May 2004. (ii) Institute of Economic Growth, New Delhi and presented a paper titled "Job Reservations in India: Caste, Religion and Economic Status in India" (co-authored with Vani Borooah and Sriya Iyer) on 28 January 2005. He also submitted two background papers for the Meghalaya Human Development Report: (i) On "Status of Education in Meghalaya" (co-authored with Smita Das); (ii) "Poverty and Nutrition in Meghalaya: Assessment and Policy Issues. The papers were commissioned by the Government of Meghalaya, Shillong, in March 2005; (iii) A report on "Social Structure and Educational and Employment Achievements: A Study of Disparities Across Different Social Groups in India" (co-authored with Veronica Pala) to the Indian Institute of Dalit Studies, New Delhi, March 2005; (iv) "Disparities in Incidence and Change in Poverty Across Social Groups" (co-authored with Arjan de Haan and Veronica Pala) as background paper for Dalit Development Report. The paper was commissioned by the Indian Institute of Dalit Studies, New Delhi, February 2005.

Dr. G. Das: (i) Made a presentation on "Meghalaya Development Report" at the Planning Commission, Government of India, on behalf of the School of Economics, Management and Information Sciences, NEHU Shillong on May 12, 2004. (ii) Gave a talk on "Globalization: Rhetoric and Reality" at Women's College, Shillong, on September 3, 2004. (iii) Attended Faculty Upgradation Programme on Environmental Economics, organized by the Institute of Economic Growth, New Delhi, from February 14 to March 4, 2005.

Dr. U.K. De reviewed a book entitled *Rural Women Leadership* authored by B. Ghosh and published by Mohit Publications, New Delhi in the *Journal of North East India Council for Social Science Research*, Vol. 27, No.2, pp. 76-77.

Ms. W. Tariang participated in a workshop on "Economic Reforms: Its Impact on Agriculture" organized by the Sociological Research Unit, ISI, Kolkata in collaboration with North-Eastern Institute for Development Studies, NEHU, on 21-24 March 2005.

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Mr. S. Umdor submitted a background paper for the Meghalaya Human Development Report on "State of Infrastructure in Meghalaya" (co-authored with Dr. B. Panda). The paper was commissioned by the Government of Meghalaya, Shillong, in March 2005.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Telephone No. 0364-2723142 (O)
 0364-2551899 (R)
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Thrust Area of Research: The thrust areas of research are: Information Storage and Retrieval, Information Management, Users' Needs and their Information Seeking Behaviour, Computer Applications and Information Technology, Universe of Knowledge: Structure and Development, Measurement & Effectiveness of Information Services.

Brief Introduction: The Department of Library & Information Science was established in the year 1985 with a new approach to Library and Information Science education in the country. The department introduced for the first time a two-year integrated programme leading to Masters in Library and Information Science in the country. The same pattern of education has been now recommended by UGC under Model Curriculum in Library & Information Science-2002. The University Library is used as a laboratory for the students for practical training under the guidance of faculty members and practising librarians. Thus, the theory and practice are given equal emphasis through this integrated approach. Revision of curriculum based on the recommendations of UGC Model Curriculum and future need of the country and the region has been designed and approved by the Academic Council in its meeting held in December 2003. The first session of this new curriculum started in July 2004. The core of the curriculum is IT based designed to face the future professional challenges in managing the ever increasing overload of information explosion through modern devices and techniques.

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Head: Professor A.S. Chandel

Faculty:

Professor A.S. Chandel, MLISc. (BHU), Ph.D. (Lkn)
Readers Veena Saraf, MLISc (Delhi), PGDCA, Ph.D. (NEHU)
Moses M Naga, MLISc./Ph.D. (NEHU)
Lecturers Bikika Laloo, MLISc (NEHU)
P. Hangsing, MLISc (Delhi), PGDCA, Ph.D. (NEHU)
J. Thabah, MLISc (NEHU)

Visiting Professors/Fellows/Scholars in the department:

Dr. S.K. Sharma joined the department as Visiting Professor for 3 months from 6th October to 31st November 2004.

Student Intake:

Enrolment capacity: 25

Actual admission:	SC/ST	Genl.	Male/Female	From Meghalaya/Outside
M.A./M.Sc./MLISc	- 22	3	5 20	24 1
Ph.D.	- 1	2	2 1	21

Degrees Awarded:	SC/ST	Genl.	Male/Female	Total
M.A./M.Sc./MLISc	- 20	3	8 15	23

Ph.D.

Talitemsu Ao, "Information Needs and Information Seeking Behaviour of Educated Unemployed Youth in Nagaland". Supervisor: Prof. Veena Saraf.

Placement of Students:

Dr. T. Temjen, who did his MLISc and Ph.D from the department has joined Taylor and Francis Company as Manager, Marketing and Sales E-journal Division.

Dr. Talitemsu Ao joined the State Central Library, Government of Nagaland as Planning Officer cum Reference Librarian.

Four post-graduate students joined as College Librarians in Meghalaya.

One post-graduate student joined as Librarian (*ad hoc*) in the Anthropological Survey of India, Shillong.

School of Economics, Management and Information Sciences

Courses Conducted:

Compulsory papers: Library and Society, Organisation of Knowledge (Theory) Organisation of Knowledge (Practice), Information Services and Sources, Introduction to Information Technology, Library Management, Organisation of Knowledge: (a) Classification (b) Cataloguing (Theory), Organisation of Knowledge (a) Classification (b) Cataloguing (Practice), Programming and Software Packages, Job Diary, Universe of Knowledge: Structure and Development, Library System Analysis and Elements of Statistical Methods, Information Users and their Needs, Information Retrieval Techniques, Computer Applications in Library and Information Services, and Project Report (Writing dissertation on current problems in Library and Information Science).

Optional papers: (1) Information and Literature Sources in any one of the following : (a) Humanities (b) Social Sciences (c) Natural Sciences (2) (a) Information Systems and Services or (b) Management of Information Systems.

Seminars/Conferences/Symposia/Extension programmes etc.:

Organised.

Dr. Veena Saraf acted as (i) Course Coordinator for the workshop on “Library Data base System: Design and Development” organized by Department of Library & Information Science, NEHU in collaboration with the Directorate of Art & Culture, Government of Meghalaya, and sponsored by Raja Rammohun Roy Foundation, at Shillong on 12-14 May 2004. Delivered two lectures on “Fundamentals of Systems and Designing Bibliographic Databases” and CDS/ISIS: Library database” (ii) Organized and acted as programme coordinator at the workshop on ‘Bibliographic Data-base Designing in Libraries’ organized by the Department of Library and Information Science, NEHU in collaboration with ICSSR-NERC and sponsored by ICSSR, New Delhi and NEHU. Shillong on 4-8 October 2004. Delivered two lectures on “Fundamentals of Database Systems” and “How to Create Bibliographic Databases in various Database Systems” (iii) Invited by the Department of Library and Information Science, Mizoram University as Visiting Fellow and delivered a series of lectures on “Theoretical Aspect of Library Classification” and “Universal Decimal Classification” from 11 to 20 November 2004.

Attended.

Prof. A.S. Chandel participated in the international conference on Information

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Literacy organized by University Brunei Darussalam on 4-7 October 2004. He presented a paper entitled 'Psychology of Information Seeking: Predicting Unpredictable' as well as chaired one session. He also presented a paper entitled 'Status of Library Education in India' at a one-day seminar organized by Mizoram University, Department of Library and Information Science and held on 10th November 2004.

Publications:

Chandel, A.S. 2004, Psychology of Information Seeking: Predicting Unpredictable. In *Information Learning, Innovation: Delivering Global Knowledge*. Bander Sari Begawan: University Brunei Darussalam.

Chandel, A.S. and Saikia. Mukesh. 2004, National Information Resource Centre for North East. In *Social Role of Media and Building up of a National Information Centre-Cum-Archive for North East*. Edited by Alka Buragohain and Narendra Lahkar. Guwahati: Media Trust, 89-93.

Guha, Tamal and Veena Saraf. 2005. Qualitative Vs Quantitative: A Methodological approach. *Library Herald*, 43 (1): 40-50.

Hangsing, P. (Co-Editor). 2004. *PLANNER-2004: Content Creation, Access and Management in Networked Environment*. Ahmedabad: INFLIBNET.

Saraf, Veena and Bijoy Bharali. 2004, Identifying Information Seeking Strategies: A study of North East India. *Journal of Library and Information Science* 1 (1): 38-502.

Other Activities:

Prof. A.S. Chandel was invited by Himachal Pradesh University to modernise library services and submit a report for improvement. He also provided consultancy services to North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences (NEIGRIHMS) for planning library building and other infrastructure. He was invited as Resource Person in the training programmes organized by INFLIBNET held at Himachal Pradesh University in the month of August 2004. Delivered two lectures on 'Web-based Information Retrieval and Computer Application in Information Searching and Retrieval' in UGC sponsored Refresher Course organized by the Department of Education, NEHU. Delivered lecture on 'Database searching with special reference to Dialogue Database' in the UGC sponsored Refresher Course organized by the Department of Botany, NEHU on 10th November 2004.

School of Economics, Management and Information Sciences

The department organized Refresher Course on "Academic Libraries in 21st Century" from 25th February to 17th March 2004. The participants were from nine states of India namely: Assam, Meghalaya, Manipur, Nagaland, Mizoram, Sikkim, Maharashtra, Karnataka and Himachal Pradesh. Participants were teachers, assistant librarians, Documentation Officers, Information Scientists and college librarians.

Prof. Veena Saraf joined as University Coordinator for Organising UGC Refresher Courses at NEHU with effect from May 2004 and organized seven refresher courses in various departments. She delivered lectures on "Measuring Effectiveness of libraries: Various methodologies" and "Basics of systems philosophy and its application to Libraries" in Refresher Course in Library and Information Science held in the Department of Library and Information Science from 25th February to 17th March 2005.

Dr. P. Hangsing: (i) Gave a talk-show on Doordarshan "Job opportunities after completion of Master Degree in Library and Information Science" which was telecast by Doordarshan Kendra, Shillong (ii) Was invited as faculty to various training programmes conducted by the Sub-Zonal Training Institute of Employees Provident Fund Organisation, Shillong. (iii) Delivered two lectures on "Bibliographic Database Creation and Management with SOUL Software" and "Trouble Shooting a Bibliographic database system" at the workshop on "Bibliographic Database Designing in Libraries" organized by the Department of Library and Information Science, NEHU in collaboration with ICSSR-NERC and sponsored by ICSSR, New Delhi at North-Eastern Hill University, Shillong from 4th to 8th October 2004 (iv) Was one of the editors of the seminar proceedings of the 2nd International Convention on Promotion and Automation of Libraries in North Eastern Region (PLANNER – 2004) in collaboration with INFLIBNET and Manipur University, Imphal from 4th to 5th November 2004.

II

SCHOOL OF HUMANITIES AND EDUCATION

As a result of the most recent restructuring of the centres of the university, the School of Humanities and Education now has three centres, namely the Centre for Adult and Continuing Education, Centre for Science Education and Centre for Distance Education besides the other seven departments. Apart from the regular teaching and research work, the departments have been organizing Refresher Courses, seminars and workshops in collaboration with outside agencies like the American Centre and United States Educational Foundation in India, IGRMS, Bhopal etc. The Department of Linguistics organized the 26th All India Conference of Linguists in November 2004 in collaboration with the Central Institute of Indian Languages, Mysore. Some departments also organized Study Tours for students taking them to various places in the country to visit universities as well as places of historic interest.

DEPARTMENT OF EDUCATION (SHILLONG)

Telephone number: 2723340 (Head),
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Thrust Areas of Research:

- (i) System of Education in the North-East
- (ii) Correlates of Achievement
- (iii) Test Construction and Standardization
- (iv) Environmental Education.

Brief Statement of Academic Activities: Besides the regular teaching & research work, the department was engaged in the Project Appraisal of Sarva Shiksha Abhiyan

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(SSA) of the Ministry of Human Resource Development (MiHRD), Govt of India, for the State of Meghalaya during 2004-05. The department also organized a UGC-sponsored Refresher Course in Education for college & university teachers for three weeks from 15th February to 8th March 2005.

Head: Professor P.K.Gupta (from 17th December 2004)
Professor A. Henia (till 16th December 2004)

Faculty:

Professors : K.S. Lyngdoh, M.A. (Gau.), Ph.D. (Bda.)
A. Henia, M.A. (Gau.), Ph.D. (JNU)
P.K. Gupta, M.Sc.(Agra), Ph.D. (Meerut)
: R.S. Wangu, M.A./Ph.D. (Panj.)
Readers : S.M. Sungoh, M.A./Ph.D. (NEHU)
K.M. Warjri, M.Ed./Ph.D. (NEHU)
Lecturers : C. Nongbri, M.A./Ph.D. (NEHU)

Students' Intake:

(a) Enrolment capacity: 40

(b) Actual admission

	SC/ST	Genl.	Male/Female		From Meghalaya/Outside		Total
M.A.	- 38	2	4	36	29	11	40
Ph.D.	- 2	1	1	2	2	1	3

Degrees Awarded:

	SC/ST	Genl.	Male/Female		Total
M.A.	- 21	-	3	18	21

Ph.D

1. Ms. Sangeeta Angom, "Functioning of a State University in Terms of its Statutory Provisions: The Manipur University". Supervisor: Professor P.P. Gokulanathan.
2. Ms. Ruth N. Sangma, "Administration and Financing of Primary Education in the Garo Hills District of Meghalaya". Supervisor: Professor R.

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Bhattacharjee.

3. Ms. Bilinda Marwein, "Environmental Awareness and Attitude towards Environmental Protection among College Students in West Khasi Hills District of Meghalaya". Supervisor: Professor N.B. Biswas.

Courses Conducted: Philosophy of Education, Psychology of Education, Research Methodology and Statistics in Education, Educational Management and Change, Curriculum Development and Instruction, Sociology of Education, Educational Testing and Evaluation, Environmental Education, Educational Technology, Educational Systems in a Comparative Perspective, Early Childhood, Guidance and Counselling, Methods of Teaching at Tertiary Level, Higher Education in India.

Seminars/Conferences:

Organised:

As the Course Coordinator, Dr. K.M. Warjri organised the contact programme for the Post-Graduate Diploma in Higher Education of IGNOU Regional Centre, Shillong from 16th to 25th November 2004.

Dr. C. Nongbri acted as the Coordinator for Monitoring the Sarva Shiksha Abhiyan (SSA) Programmes of the Ministry of Human Resource Development, Govt. of India for the State of Meghalaya.

Attended:

Prof. R.S. Wangu (i) Participated in "Awareness Programme on ISO 9000 Quality Management System" conducted in Aizawl by the Electronics Test and Development Centre, Guwahati on 8th and 9th June 2004 (ii) Attended Orientation-cum-Training Workshop on "Development of Self-Instructional Materials" sponsored by IGNOU and conducted by the Centre for Distance Education from 14th to 17th March 2005.

Prof. P.K. Gupta (i) Participated in the workshop on "Strengthening Higher Education in Meghalaya" organized by the College Development Council, NEHU, Shillong and sponsored by UGC-NE office, Guwahati on 30th October 2004 (ii) Attended the NCERT-sponsored regional seminar on National Curriculum Framework for School Education organized by North East Regional Institute of Education, Shillong at IIE Guwahati on 23rd February 2005 and chaired the academic session on the sub theme 'Teaching of Science & Mathematics at School Level' (iii) As a

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member, participated in a three days "Expert Group Meet on Development of Guidelines for conduct of Nurturance programme for National Talent Search (NTS) Awardee organized by the Department of Educational Measurement & Evaluation NCERT, New Delhi from 15th to 17th March 2005.

Prof. A Henia (i) Attended and presented a paper on "Relevance of Team Teaching in Higher Education at the national seminar on 'Teaching Technologies in Higher Education' organized by the Department of Education, Cotton College, Guwahati on 23rd – 24th September 2004. (ii) Participated as a member of the committee on Social Science Research in Education organized by the Indian Council of Social Science Research, New Delhi in collaboration with Regional Centre of ICSSR held at Shillong, from 10th to 14th May, 2004. (iii) Participated as a Resource Person in the National Workshop on the "North East Regional Curriculum Framework for Teacher Education" organized by NCERT, New Delhi, and NERIE held in Shillong from 18 to 19th May 2004 (iv) Delivered two lectures on (a) Methodology of Micro Teaching and Assessment (b) Action Research and Educational Technology, in a programme of key resource persons for the North Eastern State on Educational Technology jointly organized by NCERT, New Delhi and NEIRIE held in Shillong on 20th July 2004. (v) Participated as a Resource Person in the national workshop on the theme "Identification of Research Areas on Women – A Regional Consultation with reference to North East" organised by the National Institute of Public Child Cooperation and Development, New Delhi, held in Guwahati from 1st to 2nd November 2004. (vi) Participated as Group Coordinator in the workshop on 'North Eastern Region – Women and Legal Coordination' organised by the Women Power Connect, New Delhi in association with Meghalaya Women Commission held in Shillong from 19th to 20th November 2004 (vii) Attended the workshop on 'Development of Self-Learning Print Materials' organized by the Centre for Distance Education, NEHU, Shillong and STRIDE, IGNOU, New Delhi held at NEHU, Shillong on 14th March 2005. (viii) Participated in the national seminar on 'Intellectual Development in North East India in the 20th century' organized by the North Eastern Institute of Development Studies (NEIDS) in collaboration with NEHU and ICSSR, New Delhi, held at NEHU, Shillong from 21st to 23rd March 2005. (ix) Participated in the seminar on "Security in South Asia: Changing Perspectives" organized by NEHU and NERC-ICSSR Shillong on May 4, 2004.

Dr. (Mrs) S.M. Sungoh (i) Acted as a resource person and delivered a lecture on "Building a Positive Personality" in an Educational Training Programme entitled: 'Training of Key Resource Persons on North Eastern States on Institutional Planning and Management' from 23 to 27 August 2004 at North East Regional Institute of

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Education (NERIE), Shillong. (ii) Attended the seminar on Faculty Development organized by Synod College on 7th September 2004 and presented a paper on 'Techniques of Teaching'. (iii) Attended and participated in a workshop on "Women and Legislative Coordination" organized by Women Power Connect in collaboration with State Commission for Women, Meghalaya, on 19-20 November 2004. (iv) Attended and participated in a national workshop to evolve research designs leading to multi-centric studies on issues/concerns related to education of children belonging to Scheduled Castes and Scheduled Tribes from 28th February to 4th March 2004 at NCERT, New Delhi.

Dr. K.M. Warjri attended the regional seminar on "National Curriculum Framework: Review for school education" organized by the North Eastern Regional Institute of Education, Shillong at IIE Guwahati and delivered a lecture on 24th February 2005.

Publications:

Lyngdoh, K.S. 2004. Efforts of University for Community Development. *University News*, Special Issue, 42(46).

Sungoh, S.M. 2004. Role of Universities in Environmental Protection. *University News*, Special Issue, 42(46).

Funds Received from Agencies other than NEHU:

Received Rs. 42,000/- only from MHRD, New Delhi as monitoring grant for Sarva Shiksha Abhiyan (SSA) programme.

Infrastructure Facilities Acquired during the year: The department shifted to the new building in August 2004 with the facilities of telephone and Internet connection in the office and faculty rooms. Two new computers were installed for the faculty members.

Other Activities:

Prof. K.S. Lyngdoh acted as a resource person and delivered lectures for the PG Diploma in Higher Education, organized by IGNOU, Regional Centre, Shillong, from 16th to 25th November 2004.

Professor P.K. Gupta and Dr. S.M. Sungoh organized the UGC-sponsored 11th Refresher Course in Education on the theme 'Education and Human Development' for three weeks from 15 February to 8 March 2005.

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Prof. R.S. Wangu. (i) Acted as Resource Person in Training on Research Methodology Programme conducted by the Directorate of School Education, SCERT Wing, Mizoram and delivered lectures on (a) "Selecting Research Problems" on 12.7.2004 (b) "Making Data Understandable" on 14.7.2004 (ii) Acted as a Resource Person in UGC sponsored XI Refresher Course in Education for College/ University Teachers organized by Department of Education, NEHU, Shillong and delivered a lecture on "Behavioural Model of Learning – Programmed Instruction" on 8th March 2005. (iii) Worked as a Chairman for the International Students' Affair Committee under UGC Programme on Promotion of Indian Higher Education Abroad (PIHEAD) during the period April 2004 to December 2004. (iv) As Chairman of the Monitoring Agency supervised the monitoring of "Sarva Shiksha Abhiyan" programme of the Ministry of Human Resource Development (MHRD) Govt, of India for the State of Mizoram during April to December 2004.

Prof. P.K. Gupta (i) Delivered a lecture on "Economic of Education: An Emerging Discipline" at the Department of Education, NEHU, Tura Campus on 8th November 2004. (ii) As a resource person, he delivered two lectures on (a) Models of Teaching and (b) Mental Health during the contact programme of PG Diploma in Higher Education conducted by IGNOU Regional Centre at Shillong from 16th to 25th November 2004. (iii) Delivered three lectures on the topics: (a) Logical Method of Inquiry (b) Scientific Method of Inquiry (c) Education as a Science of Human Behaviour and Development on 28th February and 3rd & 4th March 2005 in the UGC-sponsored Refresher Course in Education organized by the Department of Education, NEHU, Shillong from 15th February to 8th March, 2005. (iv) Delivered two lectures on (a) Research Methods and (b) Data Analysis at the UGC-sponsored Refresher Course on 10th & 11th March 2005 organized by the Department of Library and Information Science, NEHU, Shillong.

Prof. A. Henia delivered two lectures on (i) Professional Role of Teachers in Higher Education (ii) Teacher and Social Transformation during the contact programme of PG Diploma in Higher Education conducted by IGNOU Regional Centre at Shillong on 16th November 2004.

Dr. S. M. Sungoh (i) Acted as a resource person and delivered lectures during the contact programme of PG Diploma in Higher Education conducted by IGNOU Regional Centre at Shillong from 16th to 25th November 2004. (ii) Acted as a resource person and delivered six lectures on Micro Teaching in the Fifth Refresher Course in Khasi from 29th November to 3rd December 2004. (iii) Acted as a resource person and delivered six lectures on Micro Teaching and Laboratory practicals

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in the Eleventh Refresher Course in Education organized by Department of Education, NEHU, Shillong from 15th February to 8th March 2005.

Dr. K.M.Warjri (i) As a Resource Person, he delivered four lectures in the Refresher Course organized by the Khasi Department, NEHU, Shillong from 20th to 23rd November 2004. (ii) He also delivered four lectures in the Refresher Course organized by the Department of Education, NEHU, Shillong on 18th, 21st, 22nd, and 23rd November 2004.

Dr. C. Nongbri (i) Acted as Resource Person and delivered two lectures in extended contact Programme of the PG Diploma in Higher Education conducted by IGNOU, Regional Centre, and held in Shillong on 16-25 November 2004. (ii) Attended the 11th Refresher Course at Department of Education, NEHU, Shillong from 15th February to 8th March 2005.

DEPARTMENT OF EDUCATION (TURA)

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Thrust Areas of Research: Value and Peace Education, Special Education, and Elementary Education.

Brief Statement of Academic Activities: The faculty members acted as resource persons in refresher courses, workshops, and seminars. They also participated and presented their papers in different workshops and seminars. The department organized observation of the World Environment Day.

Visiting Professors/Fellows/Scholars: Dr. P.C. Das, Retired Professor of Education, Gauhati University, Guwahati, worked as Visiting Professor for a period of two months w.e.f. 15.9.2004.

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Head: Benudhar Chinara

Faculty:

- Reader : Benudhar Chinara, M.A., M.Phil., Ph.D. (Punjab). (Specialization: Value & Peace Education, Special Education)
- Lecturers : Nikme S. C. Momin, M.A. (NEHU). (Specialization: Value Education & Educational Psychology)
- : S.C.Subudhi, M.A., M.Phil., Ph.D. (Kurukshetra). (Specialization: Special Education, Primary Education)
- : Madhusudan J.V., M.Ed., Ph.D. (Gulbarga). (Specialization: Elementary Education, Sociology of Education)

Student Intake:

Enrollment capacity: M.A. = 22

Ph.D. = 06

Actual Admission:

SC/ST Gen: Male/Female from Meghalaya/from Outside

M.A.	--	20	1	3	18	20	1
Ph.D.	-	02	1	1	02	02	1

Courses Conducted: The department conducted the following courses:

Semester I: Philosophy of Education, Psychology of Education, Research Methodology and Statistics Education, Educational Management and Change.

Semester II: Curriculum Development and Instruction, Sociology of Education, Educational Testing and Evaluation, Environmental Education.

Semester III: Educational Technology, Educational systems in a Comparative Perspective, Early Childhood Education, Education for the Gifted and the Creative.

Semester IV: Laboratory Practical, Higher Education in India, Guidance and Coun-

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selling, Education for the Physically and the Cognitively Challenged.

Study Tour: Dr. Madhusudan J.V. guided the Study Tour of II Semester students to visit different education Institutions at Bangalore & Mysore on February 14-26, 2005.

Seminar/Conferences/Symposia/Extension Programmes:

Attended.

Benudhar Chinara presented a paper titled 'Issues of School Education: A Case of Garo Hills in Meghalaya' at a national workshop to evolve Research Design leading to Multicentric Studies on the Issues/Concerns related to Education of SCs and STs' organized by Department of Education Research and Policy Perspective, NCERT, New Delhi from February 28 to March 4, 2005.

Publications:

Published within India

Chinara, Benudhar. 2004. 'Gender Disparity and Education in Post-Independent India: A Situational Analysis'. In R. Sharma and R.D. Anand (eds), *Access and Equity in Higher Education*. New Delhi: Association of Indian Universities, 35-48.

Madhusudan, J.V. 2004. A Study of Students' Achievement at Minimum levels of Learning. *Journal of Educational Psychology*, 62 (1-2), April-October, 21-29.

Madhusudan, J.V. 2004. Effect of Teacher Competency on Students' Achievement at Minimum Levels of Learning. *Journal of All India Association for Educational Research*, 16(1 & 2), March – June, 42-44.

Madhusudan, J.V. 2004. Impact of Shifting Cultivation on Primary Education in Meghalaya. *Kurukshetra*, 52 (11), September, 39-41.

Madhusudan, J.V. 2005. Competency and Concept based Achievement Test and their Discriminative Ability: A Study. *Quest in Education*, 29(1), January, 6-12.

Subudhi, S.C. 2005. A study of Self-Concept of Tribal and Non-Tribal High School Students in Relation to their Intelligence and Socio-Economic Status. *Journal of Education and Psychology*, 62 (1-2), April-Oct.

Funds Received from Agencies other than NEHU: Rs.2,96,700/- was received from ICSSR, New Delhi.

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Infrastructure Facilities: Laboratory equipments and one personal computer.

Research Projects:

New :

“Training Needs and Motivation of Special School Teachers”. Principal Investigator: S.C. Subudhi. Rs. 2,96,700/-. Funding agency ICSSR, New Delhi.

Other Activities:

On the invitation of NCERT, New Delhi, Benudhar Chinara participated in the workshop on ‘Development of Reading Material to Promote Tolerance and Communal Harmony among Diversified Societies for a peaceful Co-existence’ held on January 29, 2005 and again on March 14-18, 2005 and helped in both identifying and developing themes and sub-themes to prepare Awareness Material on Peace Education. He delivered the following five lectures on February 14-16, 2005 at the Eleventh UGC sponsored Refresher Course in Education organized by Department of Education, NEHU, Shillong: (i) Logical and Emotional Intelligence, (ii) Development of Emotional Competencies, (iii) Management of Inter- and Intra-personal Conflicts, (iv) Human Values for Quality Life, and (v) Management of Educational Institutions by Values.

Nikme S.C. Momin coordinated the observation of the World Environment Day on June 5, 2004 where a Poetry Contest and Flower Arrangement Show were organized. She also visited libraries of different educational institutions of Delhi under the ICSSR Study Grant scheme for research scholars on July 13-27, 2004.

Madhusudan, J.V. participated in the national seminar on ‘Role of NSS in the Formation of Youth in the New Millenium’ organized by Gulbarga University, Gulbarga on January 7-9, 2005. He acted as a Resource Person in the seminar on ‘NAAC Assessment and Quality Education’ organized by Tikrikilla College, Tikrikilla on November 16, 2004.

**DEPARTMENT OF ENGLISH
(SHILLONG)**

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Thrust Area of Research: 20th Century Literature and Contemporary Literature in English.

Brief Statement of Academic Activities: The department conducted M.A., M.Phil and Ph.D programmes simultaneously.

Head: Professor R.P. Sharma

Faculty:

Professors : T. Ao, M.A. (Gau.), Ph.D. (NEHU)
R.P. Sharma, M.A./Ph.D. (Bihar)
Readers : S.N. Singh, M.A./Ph.D. (Magadh)
E. Syiem, M.A. (Delhi), Ph.D. (NEHU)
M.M. Mazumdar, M.A./Ph.D. (NEHU)
Lecturers : N. Syiem, M.A.(NEHU), M.Phil (Delhi)
N. Ganguly, M.A. (NEHU)
Ng. Rabindra Singh, M.A. (NEHU)
U. Sewa, M.A./Ph.D. (NEHU)
M. Renganathan, M.A./Ph.D. (Madurai)
S. Bhattacharjee, M.A./Ph.D. (NEHU)

Student Intake:

Enrolment capacity: 50

Actual admission:

M.A. I Sem.	SC/ST	Genl	Male/Female		From		
					Meghalaya	Outside	
	1	46	3	7	43	31	19
M.A. III Sem	-	46	4	4	46	24	26

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Degrees Awarded:

M.Phil.

1. Anuradha Bhattaray, "British Women Characters in Paul Scott's *The Raj Quartet*". Supervisor: Professor T. Ao.
2. Gayreen Lyngdoh, "The Crisis of Identity in Langston Hughes' Poetry". Supervisor: Dr. E. Syiem.

Ph.D.

1. Mr. Joseph T.J., "Morality in Thomas Hardy's Fiction with reference to his Major Novels". Supervisor: Professor N. Hasan.
2. Ms. Anjali Daimari, "Reading Silences: Tracing Women's 'Self' and 'Voices' in U.R. Ananthamurthy's *Samskar*, Gopinath Mohanty's *Paraja* and Mahasweta Devi's *Rudali*". Supervisor: Professor K.C. Baral.
3. Ms. Soma Bhattacharya, "Constructing a Female Self in the Novels of Shashi Deshpande and Nayantara Sahgal: A Comparative Study". Supervisor: Professor E.N. Lall.

Courses Conducted: M.A.

1st Semester: Poetry I, Fiction I, Drama I, Literary Theory & Criticism I.

2nd Semester: Poetry II, Fiction II, Drama II, Environment & Indian Writing in English.

3rd Semester: Poetry III, Fiction III, Literary Theory & Criticism II.

Optional: American Literature I/Commonwealth Literature.

4th Semester: Shakespeare, Drama III, Literary Theory & Criticism III.

Optional: Women's Writing/American Literature II.

Study Tour/Field Trips: An educational tour to Mysore consisting of 20 students of MA third Semester was organized from 17 January to 10 February, 2005. Ms. Saralin A. Lyngdoh of the Department of Linguistics assisted by Mr. Dening Dkhar, Peon in the office of the Dean, School of Humanities & Education, NEHU, Shillong escorted the tour.

Seminars/Conferences:

Organised.

A book discussion programme was held at the Department of English, NEHU, Shillong on 11 October 2004 in the Conference Room of the Social Sciences, on Prof. Tuttleton's book *A Fine Silver Thread: An Anthology on American Studies*. Prof. Mrinal Miri, the Vice-Chancellor of NEHU, inaugurated the programme and Prof. Temsula Ao, Dean, School of Humanities & Education chaired the session. It was attended by teachers and researchers from NEHU, CIEFL and Women's College, Shillong. A team from the American Centre, Kolkata attended the programme.

The Department of English, NEHU, Shillong organized a one-day seminar on Folklore Studies which was sponsored by the United States Educational Foundation in India, (USEFI), Kolkata on 11 March 2005 in the Science Auditorium. The seminar was inaugurated by Prof. Mrinal Miri, Vice-Chancellor, NEHU, Shillong. Co-ordinator: Professor T. Ao, Dean, School of Humanities & Education.

Attended.

Professor T. Ao (i) Read her poems in Poetry Confluence at Tripura organized by the North East India Poetry Council, 3-4 April 2004. (ii) Chaired a session in the Orientation Workshop on "Community Intellectual Property Rights and Folklore" at Guwahati, organized by the Folklore Research Department, Gauhati University, January 31- February 2, 2005.

Dr. S. Bhattacharjee (i) Presented a paper titled "Indigenous Knowledge and Globalization" at the national conference on Indigenous Knowledge and Skills, at Moran, Assam, organized by the Institute of Tai Ahom Studies during December 2004. (ii) Presented a paper titled "Women and Ideas in the Barak Valley" at the national seminar on Intellectual Development in NE- India at Shillong, organized by NEIDS & NEHU during March 2005.

Publications:

Published within India

Ao, T. 2004. "Gender and Power" Some Women-centred Narratives from Ao-Naga Folklore. *The NEHU Journal*, 2(2): 89-101.

Ao, T. 2005. "The Pot Maker" – A Story in Tribe, Culture, Art. *Essays in Honour of Professor S. Miri* edited by Vanlalnghak. Guwahati: DVS Publishers.

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- Ao, T. 2005. "Ao-Naga Myths in Perspective". In *Between Ethnography and Fiction* edited by T.B. Subba and Sujit Som. New Delhi: Orient Longman, 157-172.
- Bhattacharjee, S. 2004. *Postcolonial Literature: Essays on Gender, Theory and Genres*. New Delhi: Akansha Publications.
- Bhattacharjee, S. 2005. "A Nation without a Subject: Multicultural Politics in the United States". *VB Journal of English Studies*, 2:14-19.
- Bhattacharjee, S. 2005. Multiculturalism: The Other Subject or Subject Otherwise. In N.D.R.Chandra (ed.) *Contemporary Literary Criticism: Theory and Practice*, Vol. II. Delhi: Authors Press, 455-464.
- Bhattacharjee, S. 2005. The Text As Narrative: Reading Ideology. S.Mandal et. al (eds.), *Ethnic Literature of America*. New Delhi: Prestige, 44-51.
- Mazumdar, M.M. 2004. "King Lear and the Crisis in the Gender Identity". In Subir Dhar et. al.(eds), *Renaissance and Modern Shakespeare*. Papers and Proceedings of 2nd World Shakespeare Conference, Kolkata 2002. Calcutta: Shakespeare Society of Eastern India, 319-326.
- Mazumdar, M.M. 2005. "Family and Sexuality in the *God of Small Things*: A Foucaultian Reading". *Journal of Representation*, 105-112.
- Singh, S.N. 2004. "Anne Bronte as a Devotional Poet". *The NEHU Journal*, 2(2).
- Singh, S.N. 2004. "The Bronte Sisters and Their Poetry: An Integrated Theocentric Study". Delhi: Abhijeet Publications.
- Singh, S.N. 2005. "Kabir and Keats: Their Shared Poetic Vision". *The Arunachal University Research Journal*, 6.
- Syiem, E. 2004. Book Review of *The Local Politics of Global English* by Selma K. Sonntag. *The NEHU Journal*, 2(2).

Published Abroad

- Mala, R. 2004. International-Contribution of entry "Dramatists of India". *South Asian Literature in English-An Encyclopedia*, ed. Jaina C. Sangha. Connecticut, London: Greenwood, 88-91.
- Mala, R. 2004. International "Maria Irene Fornes' Theater: A Study". In Maria Irene Fornes-Academia. <http://www.Mariairenefornes.com/>.

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Other Activities:

Dr. E. Syiem participated in the workshop on "North-East Folk Tradition: Development of Reading Materials" held on 22-23 March 2005 organised by NBT, Delhi to publish books related to North East India.

Dr. M.M. Mazumdar (i) Lectured in the Refresher Course organized by the Department of English, Mizoram University, Aizawl on 2-5 December 2004. (ii) Lectured as a Resource Person at the workshop on Creative Writing organized by English Department, NEHU (Tura campus) 29-30 September 2004. (iii) Participated in the 2nd spell of Research Associateship at the Indian Institute of Advanced Study, Shimla, 1-30 April 2004.

Mr. Ng. Rabindra Singh (i) Was a resource person for a workshop on 'Creative Writing' organized by the Department of English and Garo, NEHU, Tura Campus on 29-30 September 2004. (ii) The Department of English, Nagaland University, Kohima Campus invited Ng. R. Singh, whose poems are prescribed in the Nagaland University syllabus, to interact with students as a writer on 18 June 2004. He also presented a paper titled 'Poetry in the Time of Terror'.

Dr. Mala Renganathan participated in the Refresher Course in English organized by ASC, University of Kerala, Trivandrum, on 10-31 December 2004.

DEPARTMENT OF ENGLISH (TURA)

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Thrust Area of Research: Indian Writing in English, Modern Fiction and Literary Criticism.

Brief Statement: The department decided to start the Ph.D. programme and one research scholar was admitted and registered during the year. It was felt that there was need to expose the students and teachers to the scholars of English at the national level. With this intention a two-day workshop on creative writing was orga-

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nized on 29 and 30 September 2004 where scholars and poets from North-Eastern India participated. Prof. S. Ganguly was invited by Ranchi University to deliver six lectures in the Refresher Course organized there. As part of the activities of the department regular film shows for the students were conducted.

Head: Professor S. Ganguly

Faculty:

Professor : S.Ganguly, M.A.(Delhi), Ph.D.(Ran.)
Reader : S. Gurudev, M.A./Ph.D. (NEHU)
Lecturers : R.S.Thakur, M.A.(Pat.)
Angela R.W.Ingty, M.A.(Gau), M.Phil(JNU)
B.Justin, M.A.(Ker), M.Phil.(JNU)
K.C.Bindu, M.A.(Calicut), Ph.D. (Hyd.)

Student Intake:

Enrolment capacity: 25

Actual Admission:

	SC/ST	Genl.	Male/Female	Meghalaya/Outside
M.A.:	- 21	3	8 16	21 3
Ph.D.:	- 1	1	- 2	1 1

Scholars Admitted:

Ph.D.

Ms.Naomi Bhuyan, "Axe for the Frozen Sea: Existensangst in the plays of Eugene Ionesco". Supervisor: Dr.(Mrs) S. Gurudev.

Ms.Jova C. Marak, "Beyond Naturalism, Towards Hopeful Humanism: A selective Study of Mulk Raj Anand's Novels. Supervisor: Dr.(Mrs) S. Gurudev.

Courses Conducted: All compulsory courses in the syllabus. Optional Courses offered: (a) World Literature in Translation and (b) Contemporary Indian Fiction in Translation.

Study Tour/Field Trips of Students: A combined study tour with Garo Department was organized in February 2005 to Delhi. Teacher-in-charge Ms.F.K. Marak and No. of students = 4. Purpose of visit: Exposure to English departments in other universities.

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Seminars/Conferences:

The department organized a workshop on Creative Writing on 29-30 September 2004.

Publications:

Ganguly, S. 2004. Rivers and Literature. In *Rivers and Culture*, ed. by C.R. Marak. Shillong: NEHU Publications.

DEPARTMENT OF GARO (TURA)

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Thrust Area of Research: The thrust areas of the department are written and oral literature, culture, language and dialects of Garo Hills in general and of the Garos in particular.

Brief Statement of Academic Activities: Apart from teaching regular classes the department organized national and regional seminars during the year under report.

Head: Professor C.R. Marak

Faculty:

Professor: C.R. Marak, M.A.(Gau.), Ph.D. (NEHU (Garo Literature))

Lecturers: F.K. Marak, M.A.(NEHU)(Folklore)

J.R. Marak, M.Ed. Utkal)(Fiction in Garo)

D.Ch. Marak, M.A.(NEHU) (Linguistics, Dialects of Garo)

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Student Intake:

Enrolment capacity: 25

Actual admission:	SC/ST	Genl.	Male/Female	Total (all local)
M.A.	- 25	-	13 12	25
Ph.D.	- 2	-	- 2	2

Courses Conducted: History of Garo Literature, Poetry I, Drama I, Fiction I Linguistics I, Poetry II, Drama II, Prose I, Epic Poetry & Environmental Studies, Linguistics II, Modern Poetry, Literary Theory & Criticism, Literature in Translation, Garo Folklore, Tragedy as a Literary Form, Indian Literature in English.

Study Tour/Field Trips: The Department of Garo conducted study tour to Delhi, Agra & Jaipur on 4-16 February 2005, in which 14 students participated. Mrs. F.K. Marak, Lecturer and Dr.A.K. Kundu, Deputy Librarian, NEHU, Tura Campus led the group.

Seminars/Conferences:

Organised.

A national seminar on A'Chik Identity was organized on 7-8 October 2004 at NEHU, Tura Campus. Prof. C.R. Marak presented a paper titled "A'chik Traditional Oral Literature" at this seminar. Mrs. D.Ch. Marak presented a paper titled "The Status of A'chik Language".

Extension Lecture on Women's Concerns and Related Issues was delivered by Sr. Bernadatte S. Sangma of Family Ministry based in Rome on 1st September 2004.

Extension Lecture on Linguistics for the students and staff of Garo and English departments at the campus on 4th October 2004 by Seino Clifford Kocq van Breugel, M.A. in Linguistics with specialisation in Tibeto-Burman languages from Leiden University, the Netherlands.

International Women's Day at NEHU, Tura Campus on 7th March 2005 for the teaching faculty and students of the departments of Education, Garo, English & RDAP. Prof. C.R. Marak delivered the introductory lecture emphasizing the significance of the occasion, focussing on women's rights, empowerment and emancipation.

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Coordinated the field trip of the students of Centre for Cultural and Creative Studies, NEHU, Shillong to Selbalgre and Sadolpara villages in West Garo Hills on 11.3.05 in connection with their study of traditional music & musical instruments, folklore & wood-carving of the Garos.

Attended.

Prof. C.R.Marak (i) Attended the All Assam Garo Sahitya Sabha at Moskeli Daranggri, Goalpara District, Assam on 23rd February 2004 and spoke on the development of A'chik (Garo) language and literature (ii) Contributed a paper titled "Folklore and the Digital World in Garo Hills" to the Indian Folklore Congress organized by the Department of Folklore Research at Gauhati University from 31.1.04 to 2.2.05. (iii) Read a paper titled "Symbolism in A'chik Folklore" at the national seminar on Folklore Studies organized by Mendipathar College on 7.2.05 at the college premises (iv) Contributed a paper titled "The Status of A'chik Women" to the national seminar on Status of Women and Customary Laws among Tribal Population of North-East India organized by the National Institute of Public Co-operation and Child Development at Guwahati on 7-9 March 2005. (v) The Writers' Meet (Award Winner) at Sahitya Akademi, Rabindra Bhavan, New Delhi on 17.2.05 (vi) International Seminar on "One Sky: Many Worlds" organized by the Sahitya Akademi at India International Center, New Delhi on 18.2.2005.

Publication:

Marak, C. R. and S. Som (eds.). 2004. *River and Culture: Focus on Garo Hills*. Shillong: NEHU Publications.

Funds: Rs.52,000/- was received from Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal, for the publication of the above mentioned book.

Other Activities: Collaborated with the PGSU, NSS and the Department of English in organizing environmental awareness programme on the World Environment Day, 5th June 2004. The department conducted the 3rd UGC sponsored Refresher Course in Garo from 9.11.04 to 2.12.04 at NEHU, Tura Campus with participants from the colleges of Meghalaya.

School of Humanities and Education

DEPARTMENT OF HINDI

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Thrust Area of Research: Modern Hindi Literature, Comparative Study.

Brief Statement of Academic Activities: A seminar on 'Hindi Kavita ka Bhavisyā' was organized by the department on 14th October, 2004 at the Science Seminar Hall, NEHU.

Head: Dr. D. K.Choubey (from 20th February 2005)

Faculty:

Professor : V.K.Srivastava, M.A./D.Phil. (All.)
Specialization – Medieval Poetry, Cultural and Comparative Study.

Readers : D.K.Choubey, M.A./Ph.D. (Manipur)
Specialization – Medieval Literature, Comparative Study.
S.K. Sharma, M.A./Ph.D. (Delhi)
Specialization – Poetics, Linguistics.

Lecturers : M.P.Pandey, M.A./Ph.D. (Kashi V)
Specialization – Criticism, Poetics
B.P.Tripathi, M.A./M.Phil (JNU)
Specialization – Modern Poetry.

Student Intake: (a) Enrolment capacity : 40
(b) Actual Admission : 28

	SC	ST	GEN	MALE/FEMALE		TOTAL
M.A.	2	4	22	8	20	28
Ph.D			1		1	1

Placement of Students: Students have been placed in various institutions like colleges, schools and offices in various parts of the country.

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Courses Conducted:

1st Semester

- (i) Hindi Bhasha evam Uska Vikash
- (ii) Bhartiya Kavyashastra-I
- (iii) Aadhunik Kavya (Chhayavad tak) evam Paryavran Parak Kavya
- (iv) Hindi Gadya Sahitya-I (Natak evam Nibandh)

2nd Semester

- (i) Hindi Sahitya ka Aadikal
- (ii) Bhartya Kavyashastra-II
- (iii) Bhaktikalin Kavya
- (iv) Hindi Gadya Sahitya-II (Upanyas evam Kahani)

3rd Semester

- (i) Aadikalin Kavya
- (ii) Paschatya Samiksha Sidhant
- (iii) Bhasha Vigyan ke Sidhant
- (iv) Bhakti Kavya

4th Semester

- (i) Special Paper : Premchand
- (ii) Ritikavya
- (iii) Hindi Bhasha ka Vikash
- (iv) Hindi Nivandh Rachana

Seminars/Conferences/Symposia/Extension Programmes etc:

Srivastava, V.K. (i) Presented a research paper entitled "Kamayani mein Nari: Vividh Bhoomikayen" at the national seminar held on 12th and 13th December 2004 on "Aadhunik Hindi Sahitya mein Nari" organized by Department of Hindi, University of Madras. (ii) Worked as a Resource Person in the workshop for preparing Hindi

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books for primary school students of Meghalaya from 12th to 20th June 2004 held in Shillong and organized by the Central Hindi Institute of Agra (Shillong Branch). (iii) Delivered a lecture on "Tulsi Sahitya ki Prasangikta" on the occasion of Tulsi Jayanti (23rd August 2004) organized by Department of Hindi, Arunachal University at Itanagar. (iv) Participated as subject expert and chaired a session in the 15th conference of Gujrat Hindi Pradhyapak Parishad on "Hindi Pathyakarm ke Adhyapan ki Samasyayen" held on 26th and 27th February 2005 at Rajkot organized by Gujrat Hindi Pradhyapak Parishad Gujrat, and Department of Hindi, Saurashtra University, Rajkot.

Choubey, D.K. (i) Presented a paper entitled "Purvottar Bharat ki Bhashayen aur Hindi ka Antarsambhandh" at a national seminar held on 20th & 21st November 2004 on Purvottar ki Bhashayen aur Hindi, organized by Bharti Parishad, Allahabad and held at Lucknow. (ii) Paper presented on "Global Village and Bhartiya Bhashayen" with special reference of North-East Regional Languages in a regional seminar held on 2nd December 2004 on the topic "Global Village and Bhartiya Bhashayan" by the Indian Institute of Banking Management at Guwahati. (iii) Paper presented on "The Reformative measure of Evaluation System" at the seminar held on 23 & 24th February 2005 on the topic National Curriculum by NERIE and NCERT held at IIE Guwahati. (iv) Paper presented on "Purvottar Bhashaon ke Sahity ki Anuvad ki samasyen: special Reference of Assamese" at the regional seminar held on 12.3.2005 on the topic "The Preparation of Primer, Dictionary and Translation of Literatures of NE Region" and organised by the Central Institute of Indian Languages and Purvottar Hindi Academy at Shillong. (v) Delivered lectures in the Refresher Course from 7th to 19th February 2005 for teachers of Meghalaya organized by the Central Institute of Hindi Agra, (Shillong Centre) (vi) Delivered lecture on "Ramkatha ki Parampra aur Ramcharitmanas ki Prasangikta" organized by Hindi Department at R.G.Barua College, Guwahati on 24.9.2004. (vii) Delivered lecture on "Prayojan Mulak Hindi ki Upayogita", organized by Hindi Department, University of Goa on 6th January 2005. (viii) Delivered lecture on "Present position of Syllabus of Hindi in North Eastern Region of India" organized by the Department of Hindi, University of Mumbai on 15th January 2005.

Sharma S.K. (i) Delivered Extension Lectures on "Internet site mein Hindi ka prasar, Hindi ka pryojanmoolak swaroop and Rastriya Ekta mein Hindi ka avadan", organized by Madhav College, Gwalior on 28th January and 29th January 2005. (ii) Delivered lectures on "Hindi ke Vividh Roop, Sanchar Madhyam aur Hindi and Devnagari – Ek Vaigyanik Lipi" organized by Govt. College, Kolaras on 30.1.05 and 31.1.05. (iii) Delivered lectures on "Karya Kshetra mein Hindi: sambhabanaien aur

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Samsyaien”, Paribhasik Sabdavali and Rajbhasha Hindi: Swaroop evam Karyanwayan organized Govt. P.G.College, Shivpuri on 1.2.05 to 3.2.05.

Pandey M.P. (i) Participated in 9th Refresher Course at Banaras Hindu University (BHU), Varanasi from 7th to 27th September 2004. (ii) Participated in Hindi seminar as chairperson, organized by Purvottar Hindi Academy Shillong on 13th March 2004 in Shillong.

Publications:

Published within India

Choubey, D. K. 2004. Khasi Bhasha evam Sahitya Ek Parichaya. *Bhasha*, Delhi, November-December Issue.

Choubey, D. K. 2004. Purvottar Bharat mein Hindi Bhasha Shikshan ki Vyavashtha. *Bhartiya Aadhunik Shiksha*, NCERT, Delhi, July Issue.

Choubey, D.K. 2004. Ramakhyanak Parampara mein Assam ke Shrimant Shankardeo ka Mulyankan. *Shodh Prakalp*, Raipur, 26th Issue, March.

Pandey, M.P. 2004. Nazir Akbarabadi. *Bhasha*, July-August Issue.

Sharma, S.K. 2004. Pramanand Das ki Bimb. *Yojana Research Link*, Indore, 3(5), September-November Issue.

Sharma, S.K. 2004. *Soor Kavya mein Prem Tatva*. Delhi: Sanjay Prakashan.

Tripathi, B.P. 2004. *Aur Phir Ek Din* (Collection of Stories). New Delhi: Sudha Book Mart.

Infrastructure Facilities: Furnished classroom, computer facility with Internet, telephone etc.

Honour/Award/Recognition:

Prof. V. K. Srivastava was honoured as distinguished scholar of Hindi by Gujrat Hindi Pradhyapak Parishad, Gujrat in its 15th conference held on 26th February 2005 at Saurashtra University, Rajkot.

Dr. D. K. Choubey was awarded Sahitya Martand by Bharati Parishad, Allahabad, in its conference held in Lucknow on 21st November 2004.

Other Activities:

Prof. V. K. Srivastava delivered two lectures during Refresher Course (Uchha

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Navikaran programme) held from 10th to 30th June 2004 for teachers of Hindi Training College of North-Eastern States organized by the Central Hindi Institute of Agra (Shillong centre) in Shillong.

Dr. D. K. Choubey participated as resource person in the regional workshop on 'Curriculum and Evaluation' organized by NERIE and NCRT, Delhi at IIE Guwahati, February 2005.

DEPARTMENT OF KHASI

Telephone Numbers : 0364 – 2723031/ 3032 (O)
0364 - 2560225 (R)
E-mail: *bwar 57 @ yahoo. co.in*

Thrust Area of Research: The thrust areas of research are Khasi Poetry, Khasi Fiction, Khasi Drama, Khasi Linguistics, Culture in Khasi Literature, Literature in Translation, Environmental Awareness in Khasi Literature, Khasi Literary Theory and Literary Criticism, Khasi Folklore.

Brief Statement of Academic Activities:

The department organised the following lectures: (a) Special lecture by Prof. Diffloth on "Monkmer languages" delivered on the 23rd April 2004. (b) Special Lectures by Mr. S.S. Majaw on "Development of Khasi Poetry" delivered from the 24th to 26th November 2004.

Head:	Professor B. War
Faculty:	
Professor :	B.War M.A. (NEHU) M.A./M.Phil (Delhi), Ph.D (London) Specialisation: Khasi Linguistics.
Readers :	M.B. Jyrwa. M.A. (Gau.) Ph.D (NEHU) Specialisation: Khasi Linguistics. S. Dkhar. M.A./Ph.D (NEHU) Specialisation: Khasi Drama A.Kharmalki. M.A.(NEHU) M.A. (Delhi), Ph.D (NEHU), Specialisation: Khasi Linguistics.

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Guest Lecturers: Mrs. P. Syiem, Mr. M.S. Kharsyntiew,
Mrs. T. Marbaniang.

Student Intake:

(a) Enrolment capacity: M.A. - 40

Ph.D - variable

	ST	Male	Female
(b) Actual enrolment : M.A	40	7	33
: Ph.D	15	7	8

Degrees Awarded:

M.Phil

Bulsilian L. Mawphlang, "Ki Phang bad ki Buit Thaw Kiba Kham Paw ha ki Poetry Ka Phawar Rwai Khasi". Supervisor: Dr. S. Dkhar.

Sojol Kharrymba, "Ka Kiew ing Thymmai ha Raid Mawja bad ka Literashor Khasi". Supervisor: Prof. B. War.

Walter Thabah, "Halor ka Rukom Shnadur Kyntien ha ka Ktien Khasi". Supervisor: Professor B. War.

Donna M. Ranee, "Ka Phang Pdeng ba Kongsan ha Ka Snap u Longshuwa bad Kiwei ki Poim Jong u Pascal Malngiang". Supervisor: Dr. M.B. Jyrwa.

Rodalyne Lyngdoh, "Ka ia Ksaid ha ka Jingim ha ka 'Ki Sur Ka Synnia u K.K. Kharlukhi'". Supervisor: Dr. M.B. Jyrwa.

Evelyn Jean Kongwang, "Ka Pule Bniah ia ka Phang Jingieit ha ki Novel U Firmly Star Lyngdoh. Supervisor: Dr. S. Dkhar.

Deitilang Nongkynrih, "Ka Nguh 'Lei Shyllong Ha ka Raid Myllem". Supervisor: Dr. A. Kharmalki.

Phi-iada Khyriem, "Error Analysis on the Use of Khasi by Non-Khasis". Supervisor: Dr. A. Kharmalki.

Job Placement of Students/Scholars:

Smti. Angelist Marbaniang: PHE Department, Government of Meghalaya, Mawphlang. Designation: Sectional Assistant

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Rolling Stone Wankhar: Lecturer, St. Anthony's College, Shillong.

Evelyn Jean Kongwang: Assistant Teacher, All Saints' H.S. School, Shillong.

Bulsilian L. Mawphlang: Lecturer, Sankardev College, Shillong.

Gwyneth Eva Jana: Assistant Teacher, Seven Set Annexe Higher Secondary School.

Baiada Bamon: Junior Account Assistant, Government of Meghalaya.

Phi-iada Khyriem: Lecturer, Christian Academy.

Course Conducted: Linguistics I, Khasi Poetry I, Khasi Literary Criticism, Khasi Fiction I, Linguistics II, Khasi Drama I, Literary Theory and Criticism, Khasi Poetry II, Linguistics III, Literature in Translation, Khasi Drama II, Culture and Khasi Literature I, Linguistics IV, Khasi Fiction II, Culture and Khasi Literature II, Environmental Awareness in Literature and Khasi Poetry III.

Study Tours:

(a) Study tour in connection with the course on Environmental Awareness in Khasi Literature to Umleng on 8th May 2004.

(b) Study tour in connection with the course on Environmental Awareness in Khasi Literature to Syntu Ksiar on 12th November 2004.

Seminars/Conferences/Symposia/ Extension Programmes etc.

Prof. B. War (i) Attended the 26th All India Conference of the Linguistic Society of India, and presented a paper on "Pronouns of Address as Honorifics: A study across 5 Khasi dialects" and chaired one session of the conference on 29th November 2004. (ii) Attended the National Convention on Feminist Writers from 22nd to 24th December at the SNDT Women's University, Mumbai and presented a paper entitled "Transcreation and Feminist Issues in Khasi Literature". (iii) Attended the Sixth International Conference on South Asian Language (ISOSAL-6) on January 6-8, 2005 in Osmania University, Hyderabad. Presented a paper on "The gender System of Khasi: A study of three Khasi Dialects". Chaired a session on Descriptive Linguistics, Sociolinguistics and Contrastive Linguistics on 7th January 2005. (iv) Presented a paper on "The Dynamics of folk titles in Khasi in the one-day seminar on Folklore Studies organized jointly by the United States Educational Foundation in India, Kolkata and the Department of English, North-Eastern Hill University, Shillong on 11th March 2005.

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Dr. S. Dkhar presented a paper in the seminar organised by the Khasi Authors' Society in collaboration with NEC on 11th September 2004. Presented a paper entitled "*Ka Drama Khasi ha kaba Kyntiew ia ka loh ka Kot bad Tei ia ka Imlang Sahlang*".

Dr. A. Kharmalki (i) Attended the national conference of the Linguistic Society of India organized by Linguistics Department, NEHU Shillong and presented a paper on "Methods of Teaching Khasi Plays" on 29th November 2004. (ii) Attended the national convention on feminist writers organized by the SNTD Women's University Mumbai on 22–24 December 2004, and presented a paper on "Portrayal of Women characters in the oral literature of Khasi". (iii) Attended the 6th International Conference on South Asian Languages (ICOSAL) organized by the Department of Linguistics, Osmania University, Hyderabad on 6 – 8 January 2004 and presented a paper on "Typology of Khasi Language".

Publications:

Published in India

Dkhar, S. 2005. *Khasi Literature and its Relevance to the Socio-Economic Development of the People*. Shillong: Khasi Authors' Society.

_____. 2005. "U H. Elias kum u Nongthoh Thiori (Theorist) ka Poitri" in *Khasi Authors' Society Silver Jubilee Souvenir*. Shillong: Khasi Authors' Society.

Other Activities: The Society of Khasi Studies was formed by the faculty members, research scholars and students of the department to promote the study of Khasi literature, language and culture on 21st June 2004. The department was also shifted to its present location in the Permanent Campus of the university on 26th July 2004. The department has initiated steps to get Khasi and Garo subjects included under the State Level Eligibility Commission, Assam (N.E. Region). Faculty members and other prominent scholars on Khasi language met the Chief Minister and the Education Minister of the Meghalaya Government on 18th August 2004. The Government has accepted the SLET Commission of Assam (NE Region) for the purpose of conducting the SLET Examination for Khasi and Garo vide its Notification Number Edu. 24/2004/20–A, dated Shillong the 11th January 2005.

The department conducted a UGC-sponsored Refresher Course on the topic "Language and Literature in the Maintenance of Khasi Culture" from 26th November 2004 to 6th December 2004. The Course Coordinator of the Refresher Course was Dr. A. Kharmalki.

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The department in collaboration with Ka Sieng Riti Institute, Wakhken jointly organised "Ka Ksing Festival" on 11th January 2005. Dr. A. Kharmalki, Reader, Khasi Department, NEHU was the Co-coordinator of the festival.

Prof. B. War was appointed member of the Reviewing Committee for financial assistance to Khasi authors, Department of Education, Government of Meghalaya. She is also a member of the Research Committee, Central Institute of English and Foreign Languages, Regional Centre, Shillong.

DEPARTMENT OF LINGUISTICS

Telephone numbers : 2723314/2723310 (Office); 9863064601 Cell

E-mail: *wadhesham@rediffmail.com/
akmishranehu@yahoo.com*

Thrust Area of Research: Linguistics of the North-East Indian languages (especially, Tibeto-Burman and Austro-Asiatic).

Brief Statement of Academic Activities: The department organized three lectures on various aspects of Mon-Khmer linguistics by Prof. G. Diffloth (a retired Professor of Linguistics from the University of California, Berkeley), two lectures on the historical linguistic aspect of English verbs by Mr. Benjamin Slade of John Hopkins University, USA, and one lecture on 'Field Methods' by Prof. Anvita Abbi of Jawaharlal Nehru University, New Delhi.

Head: Dr. Awadesh Kumar Mishra

Faculty:

Professor

: J. War, M.A. (Gau./Delhi), Ph.D. (Edin.)
Specialization: Psycho linguistics, Applied Linguistics, Morphology.

Readers

: Rajesh Sachdeva, M.A.(Pune), Ph.D. (Pune) – on lien to Central Institute of Indian Languages, Mysore, as Professor-cum-Deputy Director since 26th May 2003.

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Specialization: Sociolinguistics, Language planning
: A.K. Mishra, M.A./Ph.D. (JNU)
Specialization: Phonology, Morphology, Language Typology,
Applied Linguistics, Hindi Linguistics.
Lecturer : Ms. Saralin A. Lyngdoh, M.A. (NEHU), M. Phil. (Delhi)
Specialization: Syntax, Typology

Student Intake:

Enrolment capacity:

M.A. 50

Ph.D. 10 Male 6 Female 4

Actual admission:	SC/ST	Gen	Male/Female	Meghalaya	Outside		
M.A.	Ø	52	1	22	31	32	21

Degrees Awarded:

	SC	ST	Gen	Male	Female	Meghalaya	Outside
M.A.	Ø	22	1	10	13	16	7

Courses Conducted:

I Semester: Introduction to Linguistics, Morphology, Syntax-I, Phonetics and Phonology.

II Semester: Semantics, Sociolinguistics, Psycholinguistics, Syntax-II.

III Semester: Generative Phonology, Historical and Comparative Linguistics, South Asia as a Linguistic Area with special reference to North-East India, Language Teaching and Testing.

IV Semester: Structure of Tibeto-Burman language, Lexicology and Lexicography, Second Language Acquisition, Field Methods.

Study Tours/Field Trips of Students:

Teacher-in-charge: Dr. Awadesh K. Mishra

Places of visit: Mumbai University; Central Institute of Indian Languages, Mysore; Calcutta University.

Duration: 18 days.

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Purpose of the visit: To acquaint the students with the research done in the areas of Dravidian and Indo-Aryan Linguistics; Computational Linguistics; Field Linguistics.

Seminars/Conferences/Symposia/Extension Programme etc.:

Organised:

(i) All India Conference of Linguists on 29th November - 1st December 2004 (Organizing Secretary: Dr. Awadesh K. Mishra).

(ii) Regional Seminar on 'Preparation of Primers and Dictionaries, and Translation of Literatures of North-Eastern Languages' on 11-13 March 2005 (Organizing Secretary: Dr. Awadesh K. Mishra).

Attended:

Professor J. War presented a paper on "Aspects of Garo Morphology" at the 26th All India Conference of the Linguistic Society of India held at NEHU on 29th November – 1st December 2004.

Dr. Awadesh K. Mishra (i) Attended the Sixth International Conference on South Asian Languages from January 6 to 8, 2005 and presented a paper entitled 'Some Aspects of the Structure of Kom'. The conference was organized by the Dept. of Linguistics, Osmania University, Hyderabad, India. (ii) Attended Prof. M. B. Emeneau Centenary International Conference on South Asian Linguistics, organized by Central Institute of Indian Languages, Mysore, India, from January 1 to 4, 2005 and presented a paper entitled 'Language Contact Induced Changes in Kurukh'. (iii) Organised the 26th All India Conference of Linguists (of the Linguistic Society of India, Pune, India), organized by the Dept. of Linguistics, North-Eastern Hill University, Shillong, India from November 29 to December 1, 2004 and presented a paper entitled 'The Structure of Khasi: A Study in Language Contact'.

Ms. Saralin A. Lyngdoh attended the 26th All India Conference of Linguists (of the Linguistic Society of India, Pune, India), organized by the Dept. of Linguistics, North-Eastern Hill University, Shillong, India from November 29 to December 1, 2004 and presented a paper entitled 'The VP in Lyngngam'.

Publications:

Published within India

Mishra, Awadesh K. 2004. Review of the book *The Language of Modhupur Mandi*

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(Garo), Vol. I: Grammar by Robbins Burling in *The NEHU Journal*, 2(2), July Issue.

Infrastructure Facilities Acquired during the year: New almirahs, book-shelves, tables, chairs, etc.

Research Projects:

Ongoing:

Title of the project: LIS- India Project on Developing an Online Grammar of the Mao Language (mini project of 6-months' duration).

Principal Investigator: Dr. Awadesh K. Mishra.

Amount of fund: Rs. 75,000.

Source: Central Institute of Indian Languages (Ministry of HRD, Govt. of India), Mysore.

Completed during the year:

1. Title of the project: LIS- India project on developing an online grammar of the Kom language (mini project of 6-months' duration).

Principal Investigator: Dr. Awadesh K. Mishra.

Amount of fund: Rs. 75,000/-.

Source: Central Institute of Indian Languages (Ministry of HRD), Mysore.

2. Title of the project: LIS- India Project on Developing an Online Grammar of the Khasi Language (mini project of 6-months' duration).

Principal Investigator: Prof. Juanita War.

Amount of fund: Rs. 75,000/-.

Source: Central Institute of Indian Languages (Ministry of HRD), Mysore.

Other Activities: Prof. J. War took part in the Expert Panel Committee sponsored by the ICSSR-NERC in Shillong on 10-12 May 2004 to evaluate project proposals. She also delivered lectures on "Multilingualism, Language Shift and Language Maintenance with reference to Shillong" in the Refresher Course organized by Khasi Department from 26th November to 6th December 2004.

Dr. Awadesh K. Mishra attended the workshop on 'Preparation of Grammars

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of Deori, Rabha and Tiwa Languages' as Chief Resource Person from February 21 to March 2, 2005. The workshop was organized by the North Eastern Regional Language Centre (Ministry of Human Resource Development, Govt. of India), Guwahati. He successfully supervised the Ph.D. research works of Mr. Ajit Kumar Baishya and Mr. Kh. Dhiren Singha. Both the candidates were awarded Ph.D. degree by Assam University, Silchar in May 2004. The thesis topics were "Structure of Nagamese: the Contact Language of Nagaland" and "Structure of Dimasa: a Typological Study" respectively.

Problems: The department continues to face the problems of shortage of faculty members, books and journals on Linguistics in the library, and the absence of a Language/Phonetics Laboratory.

DEPARTMENT OF PHILOSOPHY

Telephone No. 0364- 272-3552 (O)

Email ID *Philodeptnehu@yahoo.co.in*

Thrust Area of Research: Philosophy of Culture with special reference to tribal thought of the North-Eastern region.

Brief Statement of Academic Activities: The faculty of the department served as resource persons for refresher courses in and out of NEHU, participated and presented papers in the regional, national and international seminars/conferences. The faculty members also published a good number of papers and books pertaining to their research works.

Head: Professor Jagat Pal

Faculty:

Professors : C.R. Agera, M.A. (Madr), Ph.D. (Delhi)
Jagat Pal, M.A. (Alld), Ph.D. (IIT -Kanpur)

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Binod Kumar Agarwala, M.A./M.Phil. (Delhi), Ph.D. (L,now)
Readers : Vanlalnghak, M.A. (NEHU), Ph.D. (IIT-Kanpur)
Lecturers : X.P. Mao, M.A. (NEHU), M.Phil. (Delhi), M.Lett. (Sydney)
E.R. Tongper, M.A./M.Phil./Ph.D. (NEHU)
L.N. Lenka, M.A. (Utkal), M.Phil./Ph.D. (Hyd)

Student Intake:

M.A.

Enrolment Capacity: 50

Actual Admission	SC/ST	Genl.	Male/Female	Total
-	38	8	22 24	46

Ph.D.

Enrolment Capacity: 4

Actual Admission	SC/ST	Genl.	Male/Female	Total
-	2	2	1 3	

Degrees Awarded:

M.A.

Degrees awarded to students admitted in 2002 batch:

	SC/ST	Genl.	Male/Female	Total
	- 35	6	16 25	41
Actual Admission:	- 43	6	19 30	49

Ph.D.

Mr. M. Daniel, "The Concept of the Good Life in the Traditional Structure of the Mao Naga Tribe". Supervisor: Professor S. Miri.

Mr. R.G. Myrthong, "Ka Pyrthei (World) and Ka Mei Ramew (Mother Earth) in Traditional Khasi Thought". Supervisor: Professor S. Miri.

Mr. Mohan Debbarma, "Ethnic and Cultural Identity in the Context of Boroks of Tripura: A Philosophical Inquiry". Supervisor: Professor S. Miri.

Ms. Grace Zirsangliani, "Mizo Concept of God and Conversion". Supervisor: Professor S. Miri.

Courses Conducted: Indian Epistemology, Western Epistemology, Indian Moral Philosophy, Western Moral Philosophy, Issues in Contemporary Indian Society, Kant, Contemporary Applied Ethics, Philosophy of Natural Sciences, Contemporary Phi-

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osophy of Religion, Indian Metaphysics, Western Metaphysics, Symbolic Logic, Ethics & Environment, Analytic Philosophy, Social & Political Philosophy, Tribal Thoughts & Culture, Philosophy of Post-Modernism, Modernism & Responses, Philosophy of Culture, Philosophy of Religion, Applied Ethics, Philosophy of Wittgenstein.

Study Tours of Students: Students went for study tour to Mumbai and Panaji (Goa) for 18 days from 9th January 2005 with Dr. Vanlalnghak as the teacher-in-charge.

Seminars/Conferences/Symposia/Extension/Programmes etc:

Organized

The department organized the International Philosophy Day on 18th November 2004. Dr. Vanlalnghak served as the Organizing Secretary.

Attended:

Prof. Jagatpal (1) Delivered an Endowment lecture on "Affirmative Action and Justice to Equality" at the 4th International Conference of Social Philosophy held at Gauhati University on 9th December 2004. (2) Chaired a session on 'Women Empowerment' at the 4th International Conference of Social Philosophy on 10th December 2004 held at Gauhati University, Guwahati. (3) Presented a paper entitled "Some Reflections on the Jain account of Language, Thought and Reality" at the workshop organized by the Department of Philosophy, University of North Bengal from 19th to 21st January 2005. (4) Chaired a session on 'Language and Reality' at the workshop organized by the Department of Philosophy, North Bengal University on 20.1.05.

Prof. B.K. Agarwala (1) Attended the seminar on "Challenges before Secularism in Contemporary India: Hermeneutically Going beyond Secular/Religious Identity" at the National Seminar on 'Modernity and the Problem of Cultural Identity' held on 6-8 January 2005 at the Department of Philosophy, Dr. Hari Singh Gour Vishwavidyalaya, Sagar. (2) Attended the seminar on "Hermeneutic Experience", ICPR-sponsored seminar on 'Language, Interpretation and Understanding: From East-West perspective', 22nd-24th March 2005, Department of Philosophy, North Bengal University, Raja Rammohunpur. (3) Delivered one lecture on "Hermeneutic Experience and Law of Karma" on January 11, 2005 at the Department of Philosophy, Lucknow University, Lucknow.

Dr. Vanlalnghak (1) "Impact of Christianity in the North-East" presented in a National Seminar on "Social Changes in the North-East: Problems and Prospects"

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at Vivekananda Kendra, Guwahati on 28-30 April 2004, sponsored by Indian Institute of Advanced Studies, Shimla. (2) "Traditional Religion and Christianity in the North-East: A Philosophical Study" presented in the National Seminar on A Comparative Study of the Religion of the North-East, on 26-29 June 2004 at Manipur University, Imphal, sponsored by Indian Institute of Advanced Study, Shimla. (3) Attended the National Seminar on "Relevance of Value Based Education and Moral Philosophy in Social Perspective" on 6-7 February 2005, organized by the Department of Philosophy, Goalpara College at Goalpara, Assam, and sponsored by ICPR, New Delhi. (4) "A Descriptive Account of Hmar Religion" presented in the National Seminar on "Indigenous Tribal Religion" on 21-23 March 2005 at Manipur University, Imphal and sponsored by Centre for Studies in Civilizations, New Delhi.

Dr. L.N. Lenka presented a paper entitled "On the Strategies for and against the refutation of Knowledge 'Closure'", at the UGC-sponsored National Seminar on *Language and Mind* organized by the Department of Philosophy, University of Hyderabad, Hyderabad, November 16-18, 2004.

Publications:

- Agarwala, B. K. 2004. "Humanities and Social Sciences in the New Millennium: Theorization in/for Society as Play". In Ananta Kumar Giri (Ed.), *Creative Social Research: Rethinking Theories and Methods*. Lexington Books.
- Agarwala, B.K. 2003. "A Reply to R.S. Bhatnagar's Essay 'On Binod Kumar Agarwala's Resoponse to Daya Krishna's Essay on Kant's Categories'". *Journal of Indian Council of Philosophical Research*, 20(3): 194-213.
- Agera, C. R. 2005. "Khasi Cosmogonic Myth: A Functionalist Interpretation. In *Tribe, Culture, Art: Essays in Honour of Professor Sujata Miri*, Eds. Vanlalnghak & Siby K. George. Guwahati: DVS Publishers, 82-102.
- Agera, C.R. 2004. "Truth on Fire: The Post-Modernist Incendiarism". *The Journal of Religious Studies*, 35(1&2): 68-88.
- Lenka, L. N. 2005. "Can a Justified True Belief Be Equated with Ignorance". In Vanlalnghak & Siby K. George (eds.), *Tribe, Culture, Art*. Guwahati: DVS Publishers, 117-131.
- Pal, J. 2004. "Issues Relating to the Criteria of Moral Status". *Journal of Indian Council of Philosophical Research*, 20(4).
- Vanlalnghak and Siby K. George (eds.) *Tribe, Culture, Art: Essays in Honour of*

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Professor Sujata Miri. Guwahati: DVS Publishers.

Vanlalnghak. 2004. *Value and Interest: An Alternative to Fact-Value Dichotomy.* Guwahati: Spectrum Publication.

Other Activities:

Prof. C.R. Agera (a) Delivered a lecture on "Value Education" on 8th June 2004 as a Resource Person for the P.G. Science Teachers of Kendriya Vidyalaya Sangathan in their In-Service Refresher Course at the NEHU Central School, Shillong. (b) Delivered two lectures as a Resource Person on 22nd and 24th November 2004 at the U.G.C. sponsored Refresher Course in Khasi, in the Department of Khasi, NEHU, Shillong on "Language, Literature and Symbols".

Prof. Jagat Pal (a) Delivered six lectures as a Resource Person in the Refresher Course on "Philosophy of Religion" organized by the Department of Philosophy, Gauhati University, Guwahati from 19th to 21st August 2004. (b) Delivered four lectures as a Resource Person on "Symbolic Logic" in the P.G. student's correspondence contact programme organized by the Department of Philosophy, Gauhati University, Guwahati from 24th to 25th September 2004. (c) Delivered six lectures as a Resource Person on "Symbolic Logic" in the Refresher Course organized by the Department of Philosophy, Manipur University, from 23rd to 25th February 2005.

Prof. B.K. Agarwala delivered six lectures in the Refresher Course on Logic at Gauhati University from 3rd to 5th March 2005.

Prof. (Mrs.) S. Miri retired from the department on 30th June 2004 and Dr. R.K. Jha resigned from his post of Lecturer on 30th October 2004.

CENTRE FOR ADULT AND CONTINUING EDUCATION

Telephone Number : 2231665 (O)
 2241669 (R)

Introduction: The Centre for Adult and Continuing Education (CACE), NEHU, was established in 1974. The primary objectives of the CACE is to promote functional development and social awareness on important issues at the grass roots level with particular reference to overall and diverse learning needs of all segments of the community with a view to cultivate habit of self-education. The centre extends academic support in the development of teaching and learning materials pertaining to societal needs. To enrich higher education by integrating continuing and adult education programme and extension, the centre organizes programmes in collaboration with other sister departments of the university and with state government departments and other organizations both at the state and national levels.

Thrust Area of Research: The thrust areas of research are Adult Literacy and Post Literacy. Attention is also focused on Child Labour, Issues of Drugs and Aids/HIV, Nutrition, Health Education, Environmental Issues, Consumer Rights Issues, Women's empowerment and other Social Issues.

Brief Statement of Academic Activities:

(i) Extension Programme:

(a) Organised a one-day awareness programme on Environment and Rural Livelihood in collaboration with World Vision of India, East Khasi Hills District, ADP-Shillong on 4th June 2004 at Presbyterian Secondary School, Umtong under Mawkynrew Block, East Khasi Hills District, Meghalaya to mark the occasion of World Environment Day in which 84 persons took part. Dr. V. P. Upadhaya highlighted the role of NGOs in disseminating information on various environmental issues concerning rural livelihood. An exhibition relating to environment and rural livelihood was presented on the occasion. The meanings of the posters were explained by Dr. Upadhaya and Dr. B. P. Sahu, Lecturers, CACE. The Secretary, Environment and Fisheries Association, Mr. S.S. Nongkhlaw highlighted the protection of environment for sustaining the biodiversity of the North East region. The Forest Ranger of Mawkynroh Block Mr. Passah motivated the students to protect the for-

School of Humanities and Education

est. The programme ended with plantation of trees on the school campus by the students of CACE.

(b) "Teachers Training Programme" for the school teachers of Mawkynrew Block organized by the World Vision of India, East Khasi Hills District in co-ordination with the CACE on 15th February 2005 at Thangsning Village. 25 persons from the Mawkynrew Block took part in it. The Resource Persons were college teachers from PGT College and CACE.

(c) One-day awareness programme on "Women and Nutrition" to commemorate the International Women's Day on 8th March 2005 at Madan iing Syiem, Myllichem Block, East Khasi Hills District. 46 Women participated in the programme. A booklet on "Ka Sawangki Ki Borbah Ki Jingbam" 1998 published by CACE was also distributed to the participants.

(d) One-day popular lecture on Career Guidance for the students of CACE was organized on March 15th 2005. The Resource Person was Dr. A.S.Guha, Director, IGNOU Regional Centre, Shillong.

(e) One-day awareness programme on Legal Literacy Awareness Camp in collaboration with SIRD for the members of Dorbar Shnong, Women's Organisation and youth organization of the Umsning Block, Ri- Bhoi District, on 31st March 2005 at Umsning Block Development Office. 30 participants attended the programme. The Resource Persons were drawn from Shillong Bar Association, Meghalaya and from NGOs.

(ii) Extension Lectures

1. Lecture on "The Role of AWW's (Anganwadi Workers) as a counsellor" and "The Skills of Communications of AWW's" at the Leadership Programme as part of IEC programme on 28th April 2004 at Nongstoin, West Khasi Hills, organised by the District Programme Officers' ICDS Cell, Social Welfare Department, Government of Meghalaya.

2. Delivered a talk on "Enhancing Leadership Skills and Qualities for the AWW's" and "Creating Awareness on Environmental Education" on 29th April 2004 at Nongstoin, West Khasi Hills, organized by the District Programme Officer, Social Welfare Department, ICDS Cell, Govt. of Meghalaya.

3. Delivered a talk on "Community Participation and Social Related Issues" at the Presbyterian Secondary School, Umtong Village on 4th June 2004.

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4. Lecture on "Parents' Role in Upbringing Children" on 28th August 2004 at SOS Children's Village, Umiam organized by PERC, NEHU.

(Translated into local language (Khasi) by B.S.Langstieh, CACE, NEHU.)

5. Lecture on "Parents and Their Adolescent Children" on 28th August 2004 at SOS Children's Village, Umiam, organized by PERC, NEHU.

6. Talk on "Adolescence Education and Counselling", organized by PERC, NEHU, at SOS Children's Village, Umiam, on 28th August 2004, organized by PERC.

7. Attended a seminar on "Aspects of Development – The Road Ahead" and delivered a talk on "Environmental Strategies and Intervention" organized by the CYWC on 6th September 2004 at Don Bosco Youth Centre, Shillong.

8. Delivered a talk on "Leadership Qualities" on 4th December 2004 at Don Bosco Youth Centre, organized by TYWC, West Khasi Hills, and PERC, NEHU.

9. Lectures on "Interface of Technical Institutes and Industry" and methods of teaching and learning techniques in technical education" on the eve of the Induction Training Programme for technical teachers at National Institute of Technology, Silchar from 2nd February to 4th February 2005.

10. Lecture on "Teachers as Counsellors" on Teachers Training programme organized by World Vision in co-ordination with CACE, NEHU at Thangsnung Village, Mawkynrew Block, East Khasi Hills District on 15 February 2005.

11. Lecture on "Adolescence Education" in the Teacher's Training Programme organized by World Vision in co-ordination with CACE, NEHU, at Thangsnung, Mawkynrew Block on 15th February 2005.

12. Talk on "Importance of Literacy and Social Awareness" to the participants at the Teachers Training Programme at Thangsnung Village, organized by World Vision, ADP, East Khasi Hills in Co-ordination in CACE on 15th February 2005.

13. Lecture on "Peer Counselling" as part of the training on adolescence education and Peer Counseling for Adolescent Girls on 18th February 2005 at Bijni (NEHU) Seminar Hall organized by the State Resource Centre (SRC) NEHU, Shillong.

School of Humanities and Education

Head: Dr. (Miss) E. Jyrwa

Faculty:

Reader : E. Jyrwa, M.A./Ph. D. (NEHU)
 Lecturers : I. Lall, M.A, (Patna) M.S. (S.Illinois)
 W. S. Myllemngap, M.Phil. (NEHU)
 J. Mawthoh, M.A. (NEHU).
 N. P. Goel, M.Sc.(Mumbai), Ph.D.(NEHU)
 B. P. Sahu, B.Tech. (Civil) MSW, Ph.D. (Kuruk)
 J. I. Rapphap, MSW, (Bombay)

Student Intake:

(a) Enrolment Capacity Diploma – 30: Certificate - 25

(b) Actual Admission

	SC/ST	Gen	Male/Female	From Meghalaya/	From Outside
Certificate	0 6	0	1 5	6	
Diploma	0 18	0	1 17	18	
Ph.D.	1 1	1	2 1	1	2

Degrees Awarded:

Actual Admission: SC/ST Gen Male/Female Total

(a) Certificate 0 3 0 1 2 3 (December Examination)

(b) Diploma 0 9 0 2 7 9 (July Examination)

Courses Conducted:

(i) PG Diploma Course in Adult and Continuing Education: 2 Semesters (Regular Teaching Course of the Centre)

(ii) PG Certificate Course in Adult and Continuing Education: 1 Semester (Regular Teaching Course of the Centre)

Seminars/Conferences/Symposia/Extension Programmes etc:

Attended

1. J. Mawthoh attended a workshop and delivered a talk on "Career Guidance" organized by the Lumparing Thrift and Credit Society at Laban on 11th May 2004. He also attended a national outreach seminar on "WTO and India: Issues

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and Negotiating strategies with special reference to North East India" on 11th and 12th August 2004 at the Institute of the Engineers, Guwahati, organized by the Department of Economics, Cotton College in Association with ITD Division, School of International Studies, JNU, New Delhi.

2. B. P. Sahu presented a paper on "Ecological and Mental Poverty of Water: A case study of Shillong" on 5th and 6th June 2004 at the seminar organised by NEICSSR Shillong. He also presented a paper on "Constitutional Status of Traditional Institutions Vis-a-Vis Panchayati Raj in Meghalaya – A case study of Khasi Society", on 13th and 14th December 2004 organised by NEICSSR, Shillong. He presented a paper on "Social Work Intervention Strategy for Social Commitment towards children – A case study of tea estates of Assam", National Seminar on Anthro-historical perspectives of the tea labourers with special reference to North East India, conducted by Department of Anthropology, Dibrugarh University, Dibrugarh on 7-8th January 2005.

3. E. Jyrwa presented the Action Plan for the "Leadership workshop on HIV/AIDS" at KJP Assembly Conference Centre Central Ward, Shillong on 13th and 14th October 2004 organised by World Vision of India. She also attended the 25th Annual Session of North East India History Association (NEIHA) from 28th –30th October 2004 at History Department, NEHU, Shillong and presented a paper on "Legislative Power of the Autonomous District Council in Khasi Hills – Its Implementation". She attended and participated at a two-day North East Regional Workshop of Women Power Connect on "Women and Legislative Co-Ordination" organized by the Centre for Social Research, New Delhi, United Nations Development Fund for Women (UNIFEM), International Centre for Research on Women (IFES) India, Action India and National Centre for Advocacy Studies (NCAS) on 19th and 20th November 2004 at Hotel Polo Towers, Shillong. She attended the national seminar on "The Changing Power Structure in the Traditional Tribal Societies of North East India with special reference to the role of women" organized by the NEICSSR in collaboration with the Anthropological Survey of India, Calcutta and with assistance of National Foundation for India, New Delhi at Raitong Building Conference Hall, Shillong on 13-14th December 2004 and presented a paper on "Changing Power Structure in the Traditional mode of Adjudication in the Khasi Land of Meghalaya".

Publications:

Published within India

Gopalakrishnan, R. & Goel, N.P. 2004. *Geography of North East India*. Shillong:

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Anshu Publication.

Jyrwa, E. 2004. "Adult Education – Impact of Awareness on Environment and Social Related Issues among the Local Community in Rural Areas". *Journal of the North East India Council for Social Science Research*, 28 (1): 37-44.

Jyrwa, E. 2004. "Demographic Profile of Shillong during the decade 1991-2001". In *Shillong: A Tribal Town in Transition*, edited by S. Sen Gupta and B. Dhar. New Delhi: Reliance Publishing House, 45-51.

Lall, I. 2004. "Need for Counselling A study on Degree Students of Shillong". *The NEHU Journal*, 2 (1): 75-90.

Sahu, B.P. 2004. *Post Disaster Management of Super Cyclone*. New Delhi: Mittal Publication.

Infrastructure Facilities Acquired:

1. One Kodak Easy Share C X 7220 Digital Camera
2. One Computer's Printer LaserJet 1010

Research Projects:

(a) **On going:** "An in-depth Study of Child labour in Shillong City – A Case Study". E. Jyrwa

(b) **Completed:**

1."Adult Education – Impact of Social Awareness Programme Among the Local Communities in Rural Areas". E. Jyrwa

2. "Awareness on AIDS and Drug Abuse". N.P. Goel.

Academic/Professional Collaborations:

Extension Education Programme during the year 2004-05 was organized in collaboration with World Vision of India, East Khasi Hills District, State Institute of Rural Development (SIRD) Govt. of Meghalaya, Food and Nutrition Board, Government of India, Ministry of Environment and Forests, Government of India, North-Eastern Regional Office, various colleges under NEHU, IGNOU – Regional Centre Shillong, Women's organizations and NGOs.

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Other Activities:

1. E Jyrwa developed the curriculum for M.Ed. Integrated programme under UGC scheme of Innovative programmes in interdisciplinary and emerging areas for Sohan Lali DAV College of Education submitted on 3rd August 2004. Chaired the session for the programme on "Women and Nutrition" to commemorate the International Women's Day on 8th March 2005 at Madan ling Syiem Community Hall, Myllem Block, organised by Centre for Adult and Continuing Education.

2. B. P. Sahu developed the curriculum for M Ed. programme for Sohan Lall DAV College of Education, Ambala, affiliated to Kurukshetra University, Kurukshetra, August 2004.

3. W. S. Myllemngap translated two sets of supplementary reading materials on family life education prepared by State Resource Centre, NEHU. March 2005.

4. J Mawthoh participated as one of the judges in the debate competition on the motion "Village Industries can survive the pressure of Globalization".

5. N. P. Goel attended an "Orientation Cum Training Workshop on Development of Self Instructional Materials, organised by Centre for Distance Education, NEHU, Shillong, in collaboration with STRIDE (IGNOU, New Delhi) on 14-17 March 2005 at NEHU Guest House, Shillong.

CENTRE FOR SCIENCE EDUCATION

Telephone Number : 2227173 (O), 2223296 (R)

E mail : *debashis_bhattacharjee@yahoo.com*

Thrust Area of Research: Theoretical Physics/Pure Mathematics (Number Theory)/ Physical Chemistry/Zoology/ Biology Education.

Brief Statement of Academic Activities:

1. Offered Remedial Teaching programme in Mathematics, Physics, Chemistry and Biology to tribal students of Class XI & XII.

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2. Introduced Remedial Coaching programme in Physics, Chemistry, Mathematics, Botany and Zoology for 1st year B.Sc. (Hons) students belonging to SC/ST category in 2004.

Head: Dr. Debashis Bhattacharjee.

Faculty:

Professor : M. M. Singh, M.A./M.Sc./Ph. D.
Readers : D. Bhattacharjee. M. Sc.(NEHU), Ph.D.(Warsaw)
Specialization-Number Theory (Arithmetical Functions)
P. K. Patra, M.Sc.(Sambalpur), Ph.D.(NEHU)
Specialization-High Energy Physics (Particle Physics)
A. Chattopadhyay, M.Sc.(Cal.), Ph.D. (NEHU)
Specialization-Genetics.
S. R. Joshi, M.Sc./Ph.D.(NEHU)
Specialization-Microbiology
S. N. Ramanujam., M.Sc.(B'lore) Ph.D.(NEHU)
Specialization-Fish biology & Ecology
Hassan Askari, M.Sc./M.Phil./Ph.D. (AMU)
Specialization-Physical Chemistry (Solid State Chemistry)

Student Intake:

1. No. of students in Remedial Teaching Programme for Class XI - 28
2. No. of students in Remedial Teaching Programme for Class XII - 10
3. No. of students in Remedial Coaching Programme for 1st year B. Sc. (Hons) -36

Seminars/ Conference/ Symposia/ Extension Programmes etc:

Dr. A. Chattopadhyay presented a paper at the international conference to review research on Science, Technology and Mathematics Education (episTEME -1" at the International Centre, Dona Paula, Goa, India, December 13-17, 2004.

Dr. S. R. Joshi participated and presented a paper at the national seminar on "Intellectual Property Rights" (October 6-8, 2004) at Shillong.

D. Syiem, S. R. Joshi & M. B. Syiem, "Intellectual Property Rights and North East India: Issues and Relevance". Paper presented at the national seminar on "Intellectual Property Rights" (October 6-8, 2004) at Shillong.

Publications:

Bhattacharjee, D. 2005. Multiplicative K_B -product and its properties. *Bulletin of the Calcutta Mathematical Society*, 97 (2): 153- 162.

Chattopadhyay, A. 2005. Understanding of Genetic Information in Higher Secondary Students in Northeast India and the Implications for Genetics Education. *Cell Biology Education*, 4 Spring, 97- 104.

Ramanujam, S. N., H. Lalthanzara and L. K. Jha. 2004 Biodiversity of Earthworms in Mizoram. *J. Natcon*, 16 (1): 129- 134.

Honour/Award/Recognition: Dr. A. Chattopadhyay was awarded one month's UICC Fellowship and visited Technical University, Munich, Germany from 20th January to 19th February 2005.

Other Activities:

Dr. D. Bhattacharjee participated in the "State Level Workshop on Strengthening Higher Education in Meghalaya" on 30th October 2004, organized by College Development Council, NEHU, Shillong. He participated in the "Regional Seminar on Industrial Scenario in the North-Eastern States" on 4th – 5th March 2005, organized by Shillong Commerce College, Shillong. He also participated in the "Orientation-cum-Training Workshop on Development of Self-Instructional Materials held on 14th – 17th March 2005, at NEHU, Shillong" organized by the Centre for Distance Education, North- Eastern Hill University, Shillong in collaboration with Staff Training and Research Institute of Distance Education (STRIDE) Indira Gandhi National Open University (IGNOU).

Two faculty members joined the Centre during the year under report

Dr. S. N. Ramanujam, Reader, Zoology and Dr. H. Askari, Lecturer (S.G.), Chemistry joined the Centre in March 2005 on repatriation from Mizoram University, Aizawl.

CENTRE FOR DISTANCE EDUCATION

Telephone No. 0364-2226822 (O)
 0364-2220350/2228410 (R)
Email *debjaniroy39@hotmail.com*

Thrust Area of Centre: The thrust of the Centre is to offer general, foundation, certificate, diploma and degree courses in distance mode to all those who have for some reason or other been deprived of formal education and are seeking higher education irrespective of age or region where they reside.

Brief Statement of Academic Activities:

- Courses offered (i) 6 weeks' General Course in Floriculture
(ii) 6 months' Certificate Course in Floriculture

Head: Professor B. Lyndem Laso (till 30th May 2004)
 Professor Debjani Roy (from 1st June 2004)

Faculty:

Professors : D. Roy, Ph.D. (NEHU)
 Specialization: Behavioural Biology
Readers : R.N. Rai, Ph.D. (BHU)
 Specialization: Psychology
 Y.N. Tiwari, Ph.D. (Patna)
 Specialization: Physics
 S. Wangoo, Ph.D. (Kashmir)
 Specialization: Botany
Lecturers : S.N. Sarma, Ph.D. (Gau.)
 Specialization: Education
 N.K. Sinha, Ph.D. (NEHU)
 Specialization: Geography
 B.K. Dutta, Ph.D. (NEHU)
 Specialization: Economics

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S.K. Jha, Ph.D. (Patna)
Specialization: Statistics
R.C. Pandey, Ph.D. (Kumaon)
Specialization: Psychology
D.V. Kumar, Ph.D. (JNU)
Specialization: Sociology
P. Ramanujam, Ph.D. (NEHU)
Specialization: Botany
M.M. Singh, Ph.D. (Patna)
Specialization: Mathematics
N.K. Sahoo, Ph.D. (Comenius Univ),
Specialization: Chemistry
M. Das Kushwaha, Ph.D. (BHU)
Specialization: Mathematics

Visiting Professors/Fellows/Scholars in the Centre: Dr. C.R.K. Murthy and Dr. Sanjaya Mishra, STRIDE, IGNOU, New Delhi visited the Centre as a Resource Person for the workshop on "Development of Self Instructional Material" organized by the Centre from 14 to 17 March 2005.

Student Intake:

Enrolment capacity: The student enrollment capacity varies from course to course as per university regulations framed for the purpose.

Actual admission: M.A./M.Sc./M.Com.	SC/ST	Genl.	Male/Female		Meghalaya/Outside	
(i) Certificate Course in Floriculture.	- 03	04	04	03	03	04
(ii) General Course in Floriculture.	- 02	05	01	06	03	04

Placement of Students: The students are engaged in horticulture nursery and some have established their own nursery and flower business.

Study Tour/Field Trips of Students: The distance learners during their contact sessions were taken to various government horticulture farms and nurseries, pri-

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vate nurseries in Mawlai and Upper Shillong to well maintained gardens by NGOs in Shillong and to the Government Experimental Tea Plantations and Tea Nurseries at Umsning for hands-on training. The Counsellors for the Floriculture Courses were the Teachers-in-Charge for the field trips.

Seminars/Conferences/Symposia/Extension Programme etc:

Organised.

The Centre organized an Orientation-cum-Workshop on "Development of Self-Instructional Material" on 14-17 March 2005 in collaboration with STRIDE, IGNOU, New Delhi.

Publications:

Roy, D. 2004. "Role of Weather Condition on the Daily Appearance and Advertisement Call Initiation Time of Polypedates Leucomystax During Breeding Season". *Zoos Print Journal*, 19 (3) : 1408-1410.

Funds Received from Agencies other than NEHU: DEC, IGNOU, New Delhi. Rs. 10.00 Lakhs.

Infrastructure Facilities: Infrastructure facilities were generated out of the DEC Developmental funds.

Other Activities: The centre is the host institution of the IGNOU Study Centre, Shillong. 10 Master Degree Programmes; five BDP Programmes; 10 Diploma Programmes and 10 Certificate Programmes are offered to students of different categories by the centre.

III

SCHOOL OF HUMAN AND ENVIRONMENTAL SCIENCES

The School of Human and Environmental Sciences consists of three departments - namely, the Department of Geography, the Department of Anthropology, and the Department of Rural Development and Agricultural Production and one centre - the Centre for Environmental Studies. The departments and the centre under the school have well-equipped laboratory facilities with well-qualified faculty members actively engaged in teaching and research as evident from the profiles of respective departments and the centre. The year under report was quite eventful for the school. A lab of Geographical Information Systems (GIS) and two hydrological observatories were established in the Department of Geography under the Special Assistance Programme (SAP) of the UGC, New Delhi. The Centre for Environmental Studies has established pollution monitoring lab and weather monitoring stations in various places. Several members joined the departments and some got promotion in the year under report. Several collaborative and/or consultative research works were taken up or continued with other institutions of repute in the country as well as outside. About 10 students from the school qualified NET during the year under report. 10 students out of 15 from the Department of Rural Development and Agricultural Production (Tura) were selected for different jobs at the time of campus interview.

DEPARTMENT OF ANTHROPOLOGY

Telephone No. 0364-2723101 (O)
 0364-2551717 (R)
Email *tbsubba@sancharnet.in*

Thrust Area of Research: The thrust of the department is to build expertise and

School of Human and Environmental Sciences

train students in appreciating and understanding the socio-cultural and biological variation of India in general and Northeast India in particular.

Brief Statement of Academic Activities: The department started teaching the new syllabus revised in December 2003 and continued with other usual academic activities.

Head: Professor T.B. Subba

Faculty:

Professors : T.B. Subba, M.A./Ph.D. (N.Bengal) Cultural Anthropology
H.Lamin, M.A./Ph.D. (NEHU) Cultural Anthropology
J. Brouwer, M.A./Ph.D. (LEIDEN U) Cultural Anthropology

Readers : L. Zehol, M.A./Ph.D. (NEHU) Cultural Anthropology
R. Khongsdier, M.Sc./Ph.D.(NEHU) Physical Anthropology
D.K. Limbu, M.Sc./Ph.D. (NEHU) Physical Anthropology

Lecturers : V. Pakyntein, M.A.(NEHU), M.Phil.(Delhi) Cultural Anthropology
J.W. Dkhar, M.Sc./Ph.D.(NEHU) Physical Anthropology
Q. Marak, M.A. (Gau.), Prehistoric Archaeology
B.T. Langstieh, M.Sc.(NEHU), Ph.D. (ISI, Cal) Physical Anthropology

Visiting Professors/Fellows/Scholars: The following three scholars visited the department during the year: Dr. Philippe Raniirez and Dr. Joelle Smadja from the National Centre for Scientific Research in Paris, and Dr. Bengt G. Karlsson from the University of Uppsala, Uppsala.

Student Intake:

Enrolment capacity: 25

Actual admission :	SC/ST	Genl.	Male/Female		Meghalaya/Outside	
M.A./M.Sc.	- 20	5	12	13	13	12
Ph.D.	- 4	1	3	2	1	4

Degrees Awarded:	SC/ST	General	Male/Female		Total
M.A./M.Sc.	1 20	4	11	14	25

Ph.D.

Ketshukietuo Dzuwichu, "The Aged among the Angamis Nagas". Supervisor: Professor T.B. Subba.

Courses Conducted: Palaeo-Anthropology (DK Limbu), Archaeological Anthropology (Q. Marak), Physical Anthropology (J.W. Dkhar), Social and Cultural Anthropology (J. Brouwer and L. Zehol), Anthropology of India (H. Lamin), Anthropological Theories (L. Zehol and J. Brouwer), Anthropological Methods (V. Pakyntein), Human Genetics (R. Khongsdier), Human Ecology and Adaptation (R. Khongsdier and D.K. Limbu), Human Growth and Development (J.W. Dkhar), Practical in Advanced Physical Anthropology-I (D.K. Limbu and J.W. Dkhar), Demography and Biostatistics (R. Khongsdier), Linguistic Anthropology (T.B. Subba), Anthropology of North-East India (R. Khongsdier, V. Pakyntein and Q. Marak), Biological Anthropology (D.K. Limbu), Population Biology (B. Langstieh), Development Anthropology (L. Zehol), Medical Anthropology (H. Lamin), Dental Anthropology (J.W. Dkhar), Economic Anthropology (J. Brouwer), Practical in Advanced Physical Anthropology-II (D.K. Limbu and J.W. Dkhar), Fieldwork (D.K. Limbu), Dissertation (All teachers).

Study Tour/Field Trips of Students: Dr. J.W. Dkhar took the IV Semester students to Saipung village, Jaintia Hills District, Meghalaya from 5 to 25 January 2005 for their fieldwork training.

Seminars/Conferences/Symposia/Extension Programmes, etc.:

Professor H. Lamin attended the First Inter-Congress in Anthropology organized by the Indian National Confederation and Academy of Anthropologists (INCAA), at Jhargam, West Bengal (March 18-20, 2005). Papers: "Social Unrest among the Tribals in Northeast India with Special Reference to Meghalaya".

Dr. L. Zehol attended the workshop on "Role of Women in Community Building" organized by the Eastern Nagaland Social Service Society, Kiphire, Nagaland (February 14, 2005). Paper presented: "Role of Naga Women in Community building".

Professor T.B. Subba attended the international seminar on "Towards Cross-Border Cooperation between South and Southeast Asia: The Importance of India's Northeast Playing Bridge and Buffer Role", organized by the OKD Institute of Social Change and Development, Guwahati (November 16-19, 2004). Paper: "Nationality, Identity and Loyalty: Relocating Nepali Nationalism in India". He also participated in

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the international workshop on "Constructing the Roof of the World: Cultural Understandings of Environment in High Asia", organized by the Department of Anthropology, Macalester College, Minneapolis, USA (July 29-August 1, 2004). Topic: "Clear Mountains, Blurred Horizons: Limbus and their Perception of Physical Environment".

Publications:

A. Published in India.

- Khongsdier, R. 2004. An Overview on Plasticity in Growth and Development with Special Reference to Merging Trend for Obesity in Developing Countries. *Bulletin of the Department of Anthropology, Dibrugarh University*, 32: 15-34.
- Khongsdier, R. 2004. *Demographic Genetics of an Indian Population*. New Delhi and Itanagar: Himalayan Publishers.
- Khongsdier, R. 2005. Under- and Over-nutrition with Special Reference to the Significance of Developmental Plasticity in Understanding Obesity and Associated Morbidity in Developing Countries. *Journal of Human Ecology*, Special Issue, 13: 46-56.
- Limbu, D.K. 2005. Distance Between the Semsas and Other Mongoloid Populations of Assam and Meghalaya in Respect of Certain Genetical Traits. In R.K. Das and D. Basu (eds), *North East India in Perspective: Biology, Social Formation and Contemporary Problems*. New Delhi: Akansha Publishing House, 73-89.
- Marak, Q. 2004. Neolithic Celts of Assam. *Nree Barta*, 1 (4): 6-7.
- Marak, Q. 2004. Supernatural Beliefs Connected with Childbirth among the Garos of Assam. *Oriental Anthropologist*, 4 (2): 186-190.
- Subba, T. B. 2004. Anthropology, Human Rights and the Tibetans in India. In Omprakash Mishra (ed.), *Forced Migration in the South Asian Region: Displacement, Human Rights & Conflict Resolution*. Calcutta: Centre for Refugee Studies, 468-76.
- Subba, T. B. 2004. *Rereading Rengsanggrī: A Text on Post-Colonial Northeast India*. In P.K. Misra (ed), *Studies in Indian Anthropology*. Jaipur and New Delhi: Rawat Publications, 133-49.
- Subba, T. B. 2004. Review of S.C. Dube, *The Kamar*, New Delhi: Oxford University Press, 2003, 240p, Rs. 545/- in *The Book Review*, Vol.27, No.19, October 2004.

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- Subba, T. B. 2004. Review of V.K. Nuh, *The Naga Chronicle*, New Delhi: Regency Publications, 2002, 637p, Rs.1500/- in *Man and Society*, Vol. 1, No. 1, Spring, 113-16.
- Subba, T. B. 2005. The Gorkhaland Movement and Human Rights Violation in India. In Beppe Karlsson (ed.), *Human Rights: An Anthropological Enquiry*. Chennai: Earthworm Books, 2005: 240-55.
- Subba, T.B. 2005. *Between Ethnography and Fiction: Verrier Elwin and the Tribal Question in India*. Edited with Sujit Som. New Delhi: Orient Longman.

B. Published Abroad.

- Khongsdier, R. 2005. BMI and Morbidity in Relation to Body Composition: A Cross-sectional Study of a Rural Community in North-East India. *British Journal of Nutrition*, 93: 101-07.
- Langstieh, B.T., Reddy, B.M., Thangaraj, K., Kumar, V. and Singh, L. 2004. Genetic Diversity and Relationships among the Tribes of Meghalaya Compared to Other Indian and Continental Populations. *Human Biology*, 76(4): 569-590.
- Reddy, B.M., Naidu, V.M., Naidu, K.M., Thangaraj, K., Langstieh, B.T., Ramana, V. and Singh, L. 2005. SRT Data for the AmpF/STR Profiler Plus Loci among 27 Populations of Different Social Hierarchy from Southern Part of Andhra Pradesh, India *Forensic Science International*, 149 (1): 81-97.
- Subba, T. B. 2004. Terrorism and "State Space" in India's North-East: A Rejoinder to Sanjib Baruah. *LBC Newsletter*, Uppsala University, December, 24-25.
- Subba, T.B. 2004. Review of Hayami Yoko, *Between Hills and Plains: Power and Practice in Socio-Religious Dynamics among Karen*, Kyoto: Kyoto University Press, 2004, ISBN-1920901 035, 385p in <http://h-net.msu.edu/~asi>.

Infrastructure Facilities: Classroom and faculty room furniture, museum artifacts, etc.

Academic/Professional Collaborations: The department entered into a collaborative research and exchange programme with the National Centre for Scientific Research in Paris and the MOU was signed in December 2004.

Other Activities: Professor T.B. Subba served as the Editor of *The NEHU Journal* and Chairman, Editorial Board, *Annual Report 2003-04*, besides serving as Mem-

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ber, Editorial Board, *Amity Journal of Anthropology, Forensic and Behavioural Sciences*, New Delhi, and organizing NEHU Extension Lectures. He also delivered a lecture on "Research Methodology in Behavioural Sciences" to a group of MBBS students assembled at Sanker Hospital on 22nd May 2004. He further served as a Resource Person at a workshop on Research Methodology organized by the Centre for Studies in Social Sciences, Kolkata and held at NEHU on 8-10 July 2004. Delivered two lectures on "Report Writing and Editing" at the Refresher Course organized by the Department of Library and Information Science, NEHU on 2-3 March 2005.

DEPARTMENT OF GEOGRAPHY

Telephone No. 272-3201 (O)

2550097 (R)

Email *bmipun @ rediffmail. Com*

Thrust Area of Research: Geomorphology, Climatology, Biogeography and Biodiversity, Regional Planning, Tribal Development, Remote Sensing applications.

Brief Statement of Academic Activities: Organised a Writers' Workshop under UGC Special Assistance Programme on 22 and 23 March 2005. Organised a workshop on Data Dissemination, sponsored by the Directorate of Census Operations, Meghalaya, Shillong on 28th March 2005. Organised a Refresher Course on "Environment & Land use Planning in Geography" from 15 to 18 March 2005. Conducted study tour of the 1st Semester students to study Coastal Geomorphology of Utkal coast, visited Kolkata, Puri, Chilka Lake and Bhubaneswar on 3-13 February 2005. Conducted fieldwork of the 2nd semester students (Course GE: 205) at Ranikor village for socio-economic survey of the households to study the impact of mining activity from 15 to 28 February 2005. Conducted fieldwork at Mawtawar village with 3rd semester students from 30 April to 15 May 2004.

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Head: Professor B.S. Mipun

Faculty:

Professors : R. Gopalakrishnan, M.A. (Mad), Ph.D. (JNU)
Political Geography
A.C. Mohapatra, M.A. (JNU), Ph.D. (NEHU)
Regional Development
Surendra Singh, M.A./Ph.D. (Meerut)
Regional Development & Integrated Area Planning
B.S. Mipun, M.A. (JNU), Ph.D. (NEHU) Agricultural Geography,
Remote Sensing & GIS
D.K. Nayak, M.A./Ph.D. (JNU)
Social and Population Geography

Readers : Z.H. Qureshi, M.A./Ph.D. (Suh)
Geomorphology and Ecology
H.J. Syiemlieh, M.A./Ph.D. (NEHU)
Geomorphology

Lecturers : P.G. Momin, M.A. (JNU), M.Phil. (NEHU)
Climatology & Ecology
L. Cajee, M.Sc./Ph.D. (NEHU)
Biogeography & Geomorphology
P.K. Rynngnga, M.A. (NEHU), M.Phil. (JNU)
North East & Economic Geography

Visiting Professors/Fellows/Scholars:

Professor Jaimala Diddee, April 2004, University of Pune, Pune.
Professor D.K. Singh, July 2004, Utkal University, Utkal, Bhubaneswar.
Professor Jagdish Singh, March 2005, Gorakhpur University, Gorakhpur.

Student Intake:

Enrolment capacity: 34

Actual admission:	SC/ST	Genl.	Male/Female		Meghalaya/Outside	
M.A./M.Sc.	- 27	4	20	11	13	18
M.Phil.	- 4	5	5	4	1	8
Ph.D.	- 9	4	6	7	7	6

Degrees Awarded:	SC/ST	Genl.	Male/Female		Total
M.A./M.Sc.	- 27	7	25	9	34

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M.Phil.

Bimal Sharma, "Changing Pattern of Agricultural Labour Productivity in Brahmaputra Valley". Supervisor: Professor S. Singh.

Ph.D.

K.H. Nakhro, "Problems and Prospects of Rural Development in Nagaland". Supervisor: Professor S. Singh.

Dondor G. Nongkhaw, "Shillong and Its Environs: A Study in Urban Geomorphology". Supervisor: Professor R.K. Rai.

Imliwati Imchen, "Spatial Structure of Local Self Government: A Case Study of Mokokchung Town". Supervisor: Professor R. Gopalakrishnan.

Mithu Sinha, "Tribal, Non-Tribal Boundaries in Assam with Special Reference to Areas of Bodo Concentration". Supervisor: Professor D.K. Nayak.

Helina Mantaw, "Decentralised Planning, Poverty Alleviation Programme and Tribal Development: A Case Study of Selected Tribes in Arunachal Pradesh". Supervisor: Professor D.K. Nayak.

Kalidas Sarma, "Geography of Crime in the Brahmaputra Valley, Assam (1975-2001)". Supervisor: Professor R. Gopalakrishnan.

Apares Patra "Redistribution of Population in Areas of Bodo Concentration Assam" 2005. Supervisor: Professor D.K. Nayak.

Pankaj Thapa, "Land and Resource Evaluation for Landuse Planning of Mawkyntew C & R.D. Block, East Khasi Hills, Meghalaya". Supervisor: Professor B.S. Mipun.

D.K. Singh, "Integrated Micro-Watershed Management in Meghalaya Plateau – A Geographical Analysis". Supervisor: Professor S. Singh.

Courses Conducted:

II Semester: Economic Geography, History of Geographical Thought, Quantitative Techniques in Geography, Ecology and Bio-geography, Field Work and Study Tour.

IV Semester: Environmental Geography, Bio-Geography, Hydrology, Applied Climatology, Integrated Area Planning, Agricultural Geography, Urban Geography, Social Geography, and Dissertation.

Study Tour/Field Trips of the Students:

B.S. Mipun and D.K. Nayak took the 1st Semester students to study Coastal Geomorphology of Utkal Coast. Places of visit were Kolkata, Puri, Chilka Lake and Bhubaneswar from 3 to 13 February 2005.

L. Cajee and B.S. Mipun accompanied the 2nd Semester student's field work (course GE:205) to Ranikor village for socio-economic survey of the households to study impact of mining activity on 15-28 February 2005.

P.K. Ryngha and Z.H. Qureshi conducted fieldwork in Mawtawar village with the 3rd Semester students from 30th April to 15th May 2004.

Seminars/Conference/Symposia/Extension Programmes etc.:

Organised.

Writers' Workshop, funded by UGC Special Assistance Programme, held on 22-23 March 2005. Workshop on Data Dissemination sponsored by the Directorate of Census Operations, Meghalaya, Shillong in collaboration with the Department of Geography, NEHU, Shillong on 28th March 2005. Refresher Course on "Environment & Land Use Planning in Geography" from 15th February to 8th March 2005.

Attended.

Z. Hussain attended the international conference on Regional Cooperation on Transboundary Rivers on 16-19 December 2004, Dhaka, organized by BAPA, BEN, BEA, IEB, BUET, DU and others. Presented a paper on 'Impact of climate change on rivers with special reference to river linking project'.

B.S. Mipun (i) The 30th International Geographical Congress on "One Earth, Many Worlds", Glasgow, United Kingdom, August 15-20, 2004. Paper presented "Forest Cover Change Mapping of Mawkynrew C & R D Block, East Khasi Hills, Meghalaya, India" and "Shifting Cultivation and Land Degradation in Meghalaya. (ii) Regional Seminar on Value Land Education – Shillong Chapter from 15 to 17 March 2005, organized by the North East Regional Institute of Education, NCERT, Shillong and chaired a session. (iii) 23rd Conference of North East India Geographical Studies and National Seminar on Human Impact on Environment and Resulting Consequences in North East India, December 7-8, 2004 at Tezpur, Assam. Special lecture delivered on "Remote Sensing and GIS application in Environment Impact Assessment".

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A.C. Mohapatra (i) "Post-Fordist Industrialisation, Location Economy and Regional Development: Case of India" at the 30th International Geography Congress, Glasgow, Scotland, UK, August 5-9, 2004. (ii) "Solid Waste Situation in Shillong: The Problem and Management Practices" at the seminar on Urban Poverty, Informal Sector in North East India, NEISSR, Shillong, June 5, 2004 (with N. Ambikapatty).

D.K. Nayak (i) 30th International Geography Congress on "One Earth Many Worlds", Glasgow, United Kingdom, 15-20 August 2004. Papers presented "Rural Labour Market and female Participation in economic activity in India: A Geographical Analysis" and "Disease, Health and Health Care in tribal Area in India: A Geographical Perspective on availability and Utilization of health Care facility with Special reference to the Khasi Tribe of Meghalaya". (ii) Sixth International Conference on South Asian Languages, ICOSAL-6 Department of Linguistics, Osmania University, Hyderabad, January 6-8, 2005. Papers presented: Language Retention and change among the Immigrant Tea Garden of Assam, India. (iii) National Seminar on Changing Scenario of Man-Environment Relationship in North East India, Department of Geography, Women's College, Agartala, 11-12 December 2004. Presented Key note paper on Changing Man-Environment Relationship: A theoretical Perspective with Special reference to the North East India. (iv) Regional Seminar on value education, NCERT-NERIE, Shillong, 15-17 March 2005. Chaired a session on "Constitutional Safeguards for Scheduled Castes and Scheduled Tribes with Special Reference to B.R. Ambedkar".

P.K. Rynghga presented a paper on "Role of Women in Khasi Society" at the seminar on Changing Power Structure of Traditional Tribal Societies of North East India with special reference to the role of women, held on 14th December 2004 at the Directorate of Urban Affairs, Raitong Building, Shillong, organized by the North East India Council for Social Science Research.

S. Singh attended the 36th Annual Regional Conference, School of Planning and Architecture, New Delhi, 18-19 November 2004.

Publications:

A. Published in India.

Gopalakrishnan, R. and Goel, N.P. 2004. *Geography of NE India*. Shillong: Anshu Publication.

Husain, Z. 2004. Geoenergy Resources. In Z. Hussain and S.K. Barik (eds.), *Development and Environment*. New Delhi: Regency Publications, 3-16.

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- Husain, Z. 2004. The Rann of Kachchh: A Unique Saline Wetlands of the Indian Subcontinent. *The Journal of Geoenvironment*, i-ii.
- Husain, Z. and Barik, S.K. (eds.). 2004. *Development and Environment: Mining of Uranium, Oil, Gas and Coal and Its Impact on Environment and Man of North-East India*. New Delhi: Regency Publications.
- Mipun, B.S. 2004. Geographic Information System: A Tool for Mapping and Management of Resources. Proceedings of the UGC Sponsored National Seminar on Information Technology held on October 26-28, 2004 edited by Kuholi C. Sumi and Wati Imchen, published by Fazl Ali College, Mokokchung.
- Mohapatra, A.C. 2004. Rational Development and Planning. In H.S. Sharma (ed.), *Progress in Indian Geography: A Country Report*. New Delhi: INSA, 99-107.
- Mohapatra, A.C. and B. Panda. 2004. "Disparity in Literacy in Meghalaya". In Surya Kant et al (eds.) *Reinventing Regional Development: Festschrift to Honour Gopal Krishnan*. Jaipur and New Delhi: Rawat Publications, 347-376.
- Nayak, D. K. 2004. Social Transformation and Social Wellbeing. In H.N. Sharma (ed), *Progress in Indian Geography: 2000-2004*. New Delhi: Indian National Science Academy, 125-130.
- Nayak, D. K. 2004. Spatial Patterns of Health Care in Khasi Hills of Meghalaya. *The Deccan Geographer*, 42(1), June Issue.
- Nayak, D.K. 2004. Pattern of Work in Unorganised Sector: A Time Use Study in Khasi Hills, Meghalaya. Monograph No. GE/SAP-UGC/2 Department of Geography, North-Eastern Hill University, Shillong 2004 (Co-authored).
- Singh, S. 2004. Pattern of Work in Unorganised Sector: A Time Use Study in Khasi Hills, Meghalaya. Monograph No. GE/SAP-UGC/2. Department of Geography, NEHU, Shillong (Joint, First Author).
- Singh, S. 2005. CSSM, Crop-ecological Sustainability Simulation Model: A Spatio-temporal Crop-yield Analysis Tool (Version-5.2), Monograph No: GE/SAP-UGC/3, Department of Geography NEHU, Shillong, 100p.
- Syiemlieh, H.J. 2004. Rainstorm Characteristics of Extremely Humid Area of the World – Cherrapunjee. Proceedings of International Conference on Forecasting Monsoons, 21-22 March, 2001, Delhi (Co-author).
- Yadav Arti and Mohapatra, A.C. 2004. Land Rights and Common Property Resources in Meghalaya. In M.C. Behera (ed.), *Globalisation and the Development Di-*

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lemma. New Delhi: Mittal, 283-294.

B. Published Abroad.

Rekha Nianthi, KW.G. and Husain, Z. 2004. Impact of climate change on rivers with special reference to river-linking project. In *Regional Cooperation on Transboundary Rivers*, edited by M. Feroze Ahmad, Qazi Kholiuzzaman Ahamd and Md. Khalequzzaaman. Dhaka: Mati or Manush, 263-278.

Funds Received from Agencies other than NEHU:

DST-FIST Rs. 2.5 lakhs, UGC SAP-DRS Rs. 4.25 lakhs.

Infrastructure Facilities: Two computers for students' lab and several other laboratory equipments.

Research Projects:

Ongoing.

Rainfall-Runoff conditions in Meghalaya Plateau, sponsored by UGC, New Delhi, started in August 2003. Coordinator: S. Singh.

New.

L. Cajee, Co-ordinator – Industrial sites of Meghalaya (2004-05) under the project "Environment Orientation in the Schools of North East India". A project funded to the Assam Science Society by the Ministry of Human Resource Development, Government of India.

Completed.

Project entitled "The Geography of Insurgency in Nagaland and Manipur" submitted to ICSSR, New Delhi, October 2004 by R. Gopalakrishnan. UGC Minor Research Project on "Disease, Health and Health Care in Meghalaya: A Geographical Perspective on Availability and Utilisation of Health Care Facility with Special Reference to the Khasi Hills". Completed in 2004 by Prof. D.K. Nayak.

Academic/Professional Collaboration: Indo-Polish Collaborative Research Programme under DST, New Delhi, and Ministry of Education, Science & Technology, Government of Poland, Warsawa.

Honours/Awards/Recognition: Professor D.K. Nayak was appointed as a National Representative, International Association of Hydrological Sciences.

Other Activities:

S. Singh (1) Delivered a lecture on Decentralised Planning and Rural Development, 36th Annual Regional Conference, School of Planning and Architecture, New Delhi, 18-19 November 2004. (2) Special Lectures on 'Regionalisation for Agricultural Development in India: Methodological Issues, and 'Agricultural Development – The Regional Dimensions' under SAP-DRS Department of Geography, Aligarh Muslim University, Aligarh, 22-23 November 2004. (3) Lectures on 'Nature and Scope of Settlement Geography', and 'Agricultural Development in North-East' Department of Geography, Manipur University, Imphal, 11-12 October 2004.

A.C. Mohapatra (1) Visited the Department of Architecture, University of Edinburgh, Scotland, UK in August 2004 in connection with collaborative work on Sir Patrick Geddes. (2) Conducted Consumer Survey of Shillong Urban Agglomeration in April-May 2004 in collaboration with Kellogg Brown & Roots, Adelaide for Aus AID project on Water and Sanitation in Gangtok and Shillong.

D.K. Nayak is appointed Member, Organizing Committee, 26th All India Conference of Linguistics, 29th November – 1st December 2004, organized by the Linguistic Society of India and Department of Linguistics, NEHU, Shillong.

B.S. Mipun (1) Member, Organizing Committee, 26th All India Conference of Linguistics, 29th November- 1st December 2004. Organised by the Linguistic Society of India and Department of Linguistics, NEHU, Shillong. (2) Convener, Workshop on Data dissemination on 28th March 2005, organized by directorate of Census Operations, Meghalaya, Shillong and Department of Geography, NEHU, Shillong, (3) Convener and Chairman. Delivered special lecture at the 23rd Conference of North East India Geographical Studies and National Seminar on Human Impact on Environment and Resulting Consequences in North East India, December 7-8, 2004 at Tezpur, Assam. Special lecture on "Remote Sensing and GIS application in Environment Impact Assessment".

L. Cajee organised the 7th National Youth Parliament Competition (Group level) on 30th September 2004 at North-Eastern Hill University.

H.J. Syiemlieh delivered lecture at the Refresher Course of the Khasi Department, NEHU, Shillong, held from November 16 to December 6, 2004.

DEPARTMENT OF RURAL DEVELOPMENT AND AGRICULTURAL PRODUCTION (TURA)

Telephone No. 03651-221407 (O)
 03651-221202 (R)
Email *1rsaha2001@yahoo.co.in*

Thrust Area: The thrust area of the department is rural and agricultural development.

Brief Statement of Academic Activities: Apart from providing theoretical and practical/technical training to M.Sc. (RDAP) students, the department undertook various academic activities such as seminars, workshops, consultancy and evaluation services and above all promoting entrepreneurial activities relating to dairy management and milk production.

Head: Dr. L.R. Saha

Faculty:

Readers : L.R. Saha, Ph.D. (RAU), Plant Pathology
 B. Gopichand, Ph.D. (BCKVV), Agronomy (on lien)
Lecturers : J.P. Jaiswal, M.Sc. (Alld.), Agricultural Engineering
 S.K. Nanda, Ph.D. (JNU), Sociology

Visiting Professors/Part-time Lecturers:

- a) Visiting Professor
 Om Prakash, Ph.D. (BHU), Rural Development.
- b) Part-time Lecturers
 B.K. Mishra, Ph.D. (BAU), Animal Science
 Barun Singh, M.Sc. (B.C.DV.V), Horticulture
 Md. Mokidul Islam, M.Sc.(Ag), (AAU), Plant Pathology
 Rongsen Ao, M.Sc. (Ag), (NU), Rural Development and Planning
 Joyshree Mahanta, M.Sc. (Ag.), (AAU), Plant Pathology

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Student Intake:

Enrolment capacity: 10

Actual admission:	SC/ST	Genl.	Male	Female	Meghalaya	Outside
M.Sc. Semester-II	- 10	0	5	5	8	2
M.Sc. Semester-IV	- 9	1	7	3	8	2

Degrees Awarded: SC/ST Genl. Total

M.A./M.Sc./Mcom	3	3	1	7
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Courses Conducted: General Aspects of Rural Development, Principles of Agriculture, Soil Conservation, Computer Application, Dynamics of Rural Development, Field Crops and Commercial Production, Technology-I, Swine Production, Diseases of Horticultural Crops and their Control, Production Technology of Vegetables and Spices, Statistical Methods, Production Technology of Fruits and Plantation Crops, Livestock development and Dairying, Rural Entrepreneurship Development, Rural Research Methods, Rural Economy, Extension Education and Development, Silviculture and Sericulture, Post Harvest Management of Fruits and Vegetables.

Study Tour/Field Trips of Students: The students of IV semester accompanied by Mr. Mokidul Islam, Part-time Lecturer, visited Bangalore, Mysore and Hyderabad on study tour from 5th to 19th February 2005 to gain practical knowledge relating to agriculture, animal science and rural development techniques.

Seminars/Conferences/Symposia/Extension Programme etc.:

Organised.

The department organized a talk on "Democratic Decentralization and Rural Development in North-East India" delivered by Prof. Om Prakash. An awareness programme on motivation campaign on entrepreneurship in association was also organized by the department.

Attended.

Participated in the national seminar on "Banana Industry-Present Scenario and Future Strategies" held at Bidhan Chandra Krishi Viswa Vidyalyaya, FTC, Kalyani, West Bengal on 11-13 June 2004.

Publications:

- Islam, M. & Thakuria, K. 2004. Seasonal Variation in Green Fodder Production of Important Perennial Grasses and Legumes Intercropping Systems. *Journal of Agriculture Science Society for North East India (JASS)*, 15 (2).
- Islam, M., Singh, N.P. and Saxena, D.C. 2004. Wasteland Management for Sustained Crop Production. *Journal of North-Eastern Council*, 24 (1).
- Munda, G.C., Patel, D.P. & Islam, M. 2004. Effect of Some Macro and Micronutrients on Growth and Yield Performance of Groundnut. *Annals of Plant Physiology*, 18 (1): 9-12.

Infrastructure Facilities: The department established an 'Instructional Dairy Unit' in the month of September 2004 for providing practical training to M.Sc. (RDAP) students and giving demonstration on dairy management to local people. The unit originally comprised five cows and five calves. Subsequently, four cows were added to the unit in March 2005. The dairy unit is currently producing 80 to 85 litres of milk per day. Milk is generally supplied to the employees of NEHU, Tura Campus @ Rs. 15 per litre. During 2004-05, the dairy unit produced a total of 8366.5 litres of milk which provided a total revenue of Rs. 1,24,600 to the cash section of the campus. In addition, laboratory equipments for conducting practical in agronomy, horticulture and animal science have been acquired during the period. Further, for the purpose of accommodating laboratory units for horticulture, animal science, soil testing and mushroom production, construction of four additional rooms was taken up during 2004-05.

Academic/Professional Collaboration: The department collaborated with NIRD, Regional centre, Guwahati and NIRD, Hyderabad and CAPART, New Delhi for improvement of techniques relating to rural development.

Other Activities: Dr. S.K. Nanda, Lecturer in Sociology, attended a Refresher Course in Sociology at JNU, New Delhi from 22nd November to 17th December 2004. Two part-time Lecturers, Mr. Barun Singh and Mr. Mokidul Islam, have been appointed for Horticulture and Agronomy, respectively during August 2004. Prof. B.K. Chakraborty was invited as Visiting Professor to deliver lectures on Horticulture to the students of IV semester during August – December 2004.

CENTRE FOR ENVIRONMENTAL STUDIES

Telephone No. 0364-2721159 (O)
0364-2550009 (R)
Email: opainfhnwhu@rediffmail.com

Thrust Area: Biodiversity Conservation, Environmental Monitoring, Forest Management, and Environmental Impact Assessment.

Brief Statement of Academic Activities: During the year under report, the centre undertook several research projects aimed at creating the much needed database for promoting ecologically sound development of the hill regions of North-East India. A number of national and international agencies sponsored and collaborated with its research programmes. Under its extension and outreach activities, the centre organized a national level training programme for officers of central and state governments on Environmental Statistics with special reference to Natural Resource Accounting. This year the centre received grant of more than Rs. 15 Lakhs from various external funding agencies.

Head: Dr. O.P. Singh (w.e.f. 18.12.2004)
Professor B.K. Tiwari (till 17.12.2004)

Faculty:

Professor : B.K. Tiwari, M.Sc. (Gorak.), Ph.D. (NEHU)
Reader : O.P. Singh, M.Sc./Ph.D. (BHU)
Lecturer : S.S. Chaturvedi, M.Sc. (Gorak.), Ph.D. (BHU)

Student Intake:

Enrolment capacity: Certificate – 10
Ph.D. Variable

Actual admission:	SC/ST	Genl.	Male/Female	Meghalaya/Outside
Certificate Course	- 8	2	5 5	10 -
Ph.D	- -	2	1 1	2 -

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Degrees Awarded:	SC/ST	Genl.	Male/Female	Total
Certificate Course	- 8	1	5 4	9

Courses Conducted: Fundamentals of Environmental Science and Ecological Principles; Environmental Pollution and Environmental Impact Assessment; Environmental Conservation and Environmental Problems of North-East India.

Seminars/Conferences/Symposia/extension Programme etc.:

Organised.

The centre organized a Fulbright Information Session on Indo-US Environmental Exchange Programme at NEHU Seminar Complex on 1st July 2004. Professor B. K. Tiwari acted as Convener of the session.

The centre organized a six-day national level training programme on “Environmental Statistics with Special Reference to Natural Resource Accounting” on August 2-7, 2004 at NEHU, Shillong. The Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Government of India, New Delhi sponsored the programme and Dr. O.P. Singh acted as Director of the programme. 22 participants from different state and central government departments attended the training programme, which comprised of lectures and field visits. A wide range of topics pertaining to environmental statistics were delivered by the resource persons invited from NEHU and other reputed organizations of the country.

Attended.

Professor B.K. Tiwari presented a paper on “Ecological and economic assessment of JFM in Tripura at the national workshop on Ecological and Economic Research on Joint Forest Management in India at the Indian Institute of Science, Bangalore on 2-6 April 2004. He attended the regional workshop and Brainstorming session on Prioritization of Ford Foundation Programme in North-east India at Guwahati as a Resource Person. He also presented a paper on “Biodiversity Conservation and Joint Forest Management in north-east India” at the National conference on Convention on Biodiversity held at the Indian Institute of Science, Bangalore on 31 May – 2 June 2004. He delivered a talk on “Biodiversity Conservation in India” at Bengal Engineering College (a deemed university) Kolkata on 5th June 2004. Professor Tiwari presented a paper on “Environmental Goods and Services” at the National Training Programme on Environmental Statistics on 2-7 August 2004

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held in Shillong. He presented a paper entitled "Forests and Forest Based Livelihoods in Meghalaya" at the Inception Workshop on Forests that Benefit the Poor: Linking Income Generation to Influence Forest Communities in Asia held at the Centre for International Forestry Research (CIFOR), Indonesia. He delivered a lecture at the Asian Institute of Technology, Bangkok, on "Impact of Introduction of Cash Crop on Gender Relations among the Jhumias of Meghalaya, India" on 11 September 2004. He presented a paper titled "Transition in Agricultural Systems: Approaches to Stabilizing Jhum and NRM Systems in North-east India" at the Regional Workshop on Community Forestry organized by Community Forestry International in Shillong on 2-6 October 2004. He presented a paper entitled "Impact of Cash Crops on Gender Relations Dynamics in Khasi Communities, a Matrilineal Tribe of Meghalaya, India" at the International Workshop on Gender Relations held in Kathmandu on 13-16 September 2004. He also presented a paper on "Joint Forest Management in Tripura" at the National Workshop on Joint Forest Management held at the Indian Institute of Science, Bangalore on 17-20 November 2004. He was invited by ICIMOD as a Resource Person to participate in the Project Designing Workshop on Agro Biodiversity in Mountain Farming System: Food Security and Gene Pool Conservation, held at ICIMOD, Kathmandu.

Dr. O.P. Singh delivered a lecture on "Air Pollution: Monitoring and Data sources" at the National Training Programme on Environmental Statistics with special reference to Natural Resource Accounting organized by the Centre for Environmental Studies in Shillong and sponsored by the Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Government of India, New Delhi on 2-7 August 2004. He was invited to deliver a lecture on "Water: Availability, Use and Abuse" on World Environment Day (June 5, 2004) at Synod College, Shillong. He delivered a lecture on "Environmental Degradation and Water Crises" on September 8, 2004 at the State Level Programme on Popularization of Science organized by the State Council of Educational Research and Teaching (SCERT), Meghalaya. He was invited as Resource Person by the State Institute of Rural Development (SIRD) to deliver a lecture on "ecotourism" in the Training Programme for Officers of Meghalaya organized by the National Institute of Rural Development (NIRD), Hyderabad on September 29, 2004. He also delivered a lecture as a Resource Person on "Conservation and Management of Natural Resources" in Capacity Building Training Programme for Members of Project Implementation Committee under NABARD-IRDF-IX Project on 17 December 2004 at Nongstoin, Meghalaya organized by Soil Conservation Department, Government of Meghalaya, Nongstoin Division, Nongstoin. He participated in the workshop on "Policy Interventions for the

School of Human and Environmental Sciences

Conservation of Tropical Forests in Meghalaya” on December 14, 2004 organised by the Forest and Environment Department, Government of Meghalaya and Ashoka Trust for Research in Ecology and the Environment (ATREE) in Shillong. He presented a paper on “Use of Census Data in Environmental Impact Assessment” at the workshop on Data Dissemination organized by the Directorate of Census Operations, Meghalaya, Shillong and Department of Geography, NEHU Shillong on 28 March 2005.

Publications:

A. Published Abroad.

Karki, M., Tiwari, B.K., Badoni, A. and Bhattarai, N. 2005. Creating Livelihoods and Enhancing Biodiversity-rich Production Systems Based on Medicinal and Aromatic Plants: Preliminary Lesson from South Asia. *Acta Horticulture*, 678: 37-43.

Swier, S. and Singh, O.P. 2004. Devastation of Aquatic Biodiversity by Non-point Source of Acidic Seepage in Coal Mining Area of Northeast India. Proceedings of 8th Intl. Conf. on “Diffuse/Nonpoint Pollution. Kyoto (Japan), 25-29 Oct. 2004. Published by Intl. Water Association, 41-46.

B. Published in India

Chaturvedi, S.S. 2004. Germination of *Gnephaliium Indicum* L. seeds Under Different Environmental Conditions. *J. Current Sciences*, 5 (2): 487-490.

Singh, O.P. and Swier, S. 2004. Diminishing Life Sustaining Role of Water in Jaintia Hills of Meghalaya Due to Coal Mining. In *Development and Environment: Development of Geoenergy Resources and its Impact on Environment and Man of North East India* (eds. Z. Husain and S.K. Barik) New Delhi: Regency Publications, 258-272.

Tiwari, B.K. 2005. Sustainable Development. Proceedings of Seminar on the Role of Biodiversity and Environmental Strategies in North-East India. Shillong: St. Mary's College, 76-83.

Funds Received from Agencies other than NEHU:

1. Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Govt. of India, New Delhi. Rs. 3,26,000/-

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|--|----------------|
| 2. Central Statistical Organization, Ministry of Statistics and Programme Implementation, Govt. of India, New Delhi. | Rs. 5,20,000/- |
| 3. Shillong Urban Water Supply and Environmental Sanitation Project (Aus Aid), Shillong. | Rs. 2,01,250/- |
| 4. Mawmluh Cherra Cement Ltd. Cherrapunjee, Meghalaya | Rs. 1,00,443/- |
| 5. Meghalaya Cement Ltd., Thangskai, Meghalaya. | Rs. 4,00,000/- |

Infrastructure Facilities: This year equipments such as Spectrophotometer, Digital Balances, Air samplers, Computers with peripherals, Scanner, etc. were added to the existing facilities of the centre.

Research Projects:

Ongoing.

1. Environmental Study at Lumshnong, Jaintia Hills District, Meghalaya. Principal Investigator: Prof. B.K. Tiwari, Co-Principal Investigator: Dr. O.P. Singh. Sponsored by Cement Manufacturing Co. Ltd., New Delhi.
2. Biodiversity Enriching and Livelihood Enhancing Practice of NTFP, MP and MAP Management of War Khasi of Meghalaya, India. Principal Investigator: Prof. B.K. Tiwari, sponsored by International Development Research Centre, Canada.
3. Bio-monitoring of Water Quality in Coal Mining areas of Meghalaya. Principal Investigator: Dr. O.P. Singh. Sponsored by G.B. Pant Institute of Himalayan Environment and Development, Almora.
4. Ecological and Economic Assessment of Joint Forest Management in Tripura. Principal Investigator: Prof. B.K. Tiwari. Sponsored by Indian Institute of Science, Bangalore.
5. Environmental Studies in West Khasi Hills, Meghalaya. Principal Investigator: Prof. B.K. Tiwari. Sponsored by Uranium Corporation of India Ltd., Jaduguda.
6. Institutional Survey of Water Supply and Environmental Sanitation in Shillong city, Meghalaya. Principal Investigator: Dr. O.P. Singh. Sponsored by Shillong Urban Water Supply and Environmental Sanitation (Aus Aid), Shillong.

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New.

1. Environmental Study at Cherrapunjee, Meghalaya. Principal Investigator: Prof. B.K. Tiwari. Amount Rs.4,00,000/- sponsored by Mawmluh Cherra Cement Ltd., Cherrapunjee, Meghalaya.
2. Environmental Accounting of Natural Resources of Meghalaya. Phase-I Forest and Land Resources. Principal Investigator: Dr. O.P. Singh. Amount Rs. 13,00,000/- sponsored by Central Statistical Organisation, Ministry of Statistics and Programme Implementation, Government of India, New Delhi.
3. Environmental Study at Thangskai, Meghalaya. Principal Investigator: Prof. B.K. Tiwari. Amount Rs. 8,00,000/- sponsored by Meghalaya Cement Ltd., Thangskai, Meghalaya.
4. Water Quality Survey of Umshyrpi River. Principal Investigator: Prof. B.K. Tiwari. Amount Rs. 2,01,250/- sponsored by Shillong Urban Water Supply and Environmental Sanitation Project (Aus Aid) Shillong.

Completed.

1. Biodiversity Strategy and Action Plan of Nagaland. Principal Investigator: Dr. O.P. Singh. Sponsored by the Department of Forest, Environment and Ecology & Wildlife, Government of Nagaland, Kohima.
2. Assessment of Water Quality of River Umkhrah, Shillong. Principal Investigator: Prof. B.K. Tiwari. Sponsored by Meghalaya State Pollution Control Board, Shillong.
3. Institutional Survey of Water Supply and Environmental Sanitation in Shillong City, Meghalaya. Principal Investigator: Dr. O.P. Singh. Sponsored by Shillong Urban Water supply and Environmental Sanitation Project (Aus Aid), Shillong.

Academic/Professional Collaborations:

The centre collaborated with:

1. Indian Institute of Science, Bangalore in an All India Coordinated research project on Ecological and Economic Assessment of Joint Forest Management in India. Professor B.K. Tiwari is conducting the study in the state of Tripura.
2. International Center for Integrated Mountain Development (ICMOD) project entitled "Innovations in Shifting Cultivation in North East India, Bhutan,

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- Myanmmar and Nepal". Professor B. K. Tiwari is associated as Academic Advisor to the programme.
3. International Development Research Centre (IDRC), research project entitled "Gender Relations and Natural Resources Management in Nepal, Bhutan and North-East India". Professor B.K. Tiwari is engaged in study On Gender Relations Among Shifting Cultivators of Khasi Hills, Meghalaya.
 4. Centre for International Development Forestry Research, Bogore, Indonesia on Forest that Benefit the Poor: Linking Income Generation to Influence Forest Communities in Asia, 2004-06. Professor B.K. Tiwari is collaborating on a study on Forest that Benefits the Poor.
 5. Community Forestry International Santa Barbara, USA on Community Forestry Alliance for North-East India, 2004-06. Professor B.K. Tiwari is Senior Academic Advisor to the project.
 6. International Development Research Centre of Canada project on Medicinal and Aromatic Plants Programme for Asia, 2004-05. Professor B.K. Tiwari is Principal Investigator of the project.
 7. Central Statistical Organization (CSO), Ministry of Statistics and Programme Implementation, Govt. of India, New Delhi for organizing national level training on "Environment Statistics with Special Reference to Natural Resource Accounting". Dr. O.P. Singh acted as Programme Director. The Centre is also collaborating with CSO in a research project on "Environmental Accounting of Natural Resources of Meghalaya for Sectors Forest and Land Resources". Dr. O.P. Singh is the Project Director.
 8. G.B. Pant Institute of Himalayan Environment and Development, Almora on a research project entitled "Bio-monitoring of Water Quality in Coal Mining Areas of Meghalaya". Dr. O.P. Singh is the Principal Investigator of the project.
 9. Mawmluh Cherra Cement Ltd. (MCCL), Meghalaya for Environmental Study at Cherrapunjee, Meghalaya. Prof. Tiwari is Principal Investigator of the project and Dr.O.P. Singh and Dr. S.K. Barik are Co Investigators.
 10. Meghalaya Cement Ltd. (MCCL), Thangskai, Meghalaya, for Environmental study at Thangskai, Meghalaya. Prof. Tiwari is Principal Investigator of the project and Dr. O.P. and Dr. S.K. Barik are Co Investigators.
 11. Shillong Urban Water Supply and Environmental Sanitation (SUWSES) Project (Aus Aid), Shillong for Water Quality Survey of River Umshyrpi. Prof. Tiwari is

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Principal Investigator of the project and Dr. S. S. Chaturvedi is Co Investigator.

Other Activities:

Professor B.K. Tiwari delivered three lectures at the Refresher Course organized by the Department of Geography, NEHU on 21, 25 February and on 8 March 2005. The topics of the lectures were: 1. Sustainable Management of Forest: Traditional vs. Modern. 2. Sustainable Development of Northeast India Through Policy Interventions in Bio-resource Management, and 3. Community Forest: A Boon or a Bane.

Dr. O.P. Singh delivered a lecture on 'Environmental Pollution and Biodiversity' in UGC Sponsored Refresher Course on Advances in Zoology organized by the Department of Zoology, NEHU, Shillong on December 13, 2004. He also delivered two lectures at the Refresher Course organized by the Department of Geography, NEHU, Shillong on 22 and 23 February 2005 on "Resource Appraisal and Management" and "Pollution and Land Use: How to Resolve the Issue".

IV

SCHOOL OF LIFE SCIENCES

The School of Life Sciences consists of the departments of Biochemistry, Botany and Zoology. This school is an active centre of post-graduate teaching and research. Each department has identified its thrust areas of research, which include immunology, endocrinology, reproductive physiology, limnology, genetics, protein chemistry, enzymology, medical biochemistry, radiation biology, nitrogen fixation, plant-microbe interactions, forest ecology, biodiversity, physiology and biotechnology. All the three departments are being supported by the UGC under Special Assistance Programme and by DST under "Fund for Infrastructure in Science and Technology" programme. The departments of Botany and Zoology are also supported by UGC under COSIST programme. All the departments in the school receive substantial research grants from national and international funding agencies. The faculty members of the three departments of the school are actively involved in research. They have won wide acclaim in their respective areas of research and received several awards in recognition of their achievements. Several members of the faculty have collaborative research programmes with national and international research groups. During the year, 58 students were awarded M.Sc., 11 PhD, and 10 students qualified NET. Establishment of the Department of Biotechnology and Bioinformatics was initiated during this year that should start functioning from the next academic year.

DEPARTMENT OF BIOCHEMISTRY

Telephone number : 0364-2722111 (O) / 0364-2550081 (R)

E mail: *raiamarnath@gmail.com*

Thrust Area of Research: Adaptation Biochemistry is the thrust area of research

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in the Department of Biochemistry. It is divided into two main areas: (a) Plant-microbe interactions with special emphasis on interaction between rice and *diazotrophic cyanobacteria*.

(b) Medical Biochemistry includes (1) Hormone and Ageing Research (2) Carcinogenesis and Radiation Molecular Biology (3) Drug Delivery/Targeting and Immunotherapy (4) Medicinal plants and Biodiversity, and (5) Protein Chemistry & Enzymology.

Brief Statement of Academic Activities: The department admitted 15 students for M.Sc. programme and two students for Ph. D. programme. During this year the department celebrated its Silver Jubilee by organizing a seminar on "Advances in Biochemical Education and Research" and launching the Alumni Association. The department was sanctioned Special Assistance Programme (DRS) by UGC and also continued to receive financial support from DST under FIST. In addition, financial support from various funding agencies in the form of projects has been also received. During this period, one student was awarded Ph.D degree and three students cleared UGC-NET. Faculty members attended/participated in various seminars/ conferences/symposia.

Head: Professor A.N. Rai

Faculty:

Professors : R. Lalthantluanga, M. Sc./Ph. D.(Pune)
A. N. Rai, M.Sc. (BHU), Ph.D. (Dundee)
R. Sharma, M.Sc./Ph.D.(BHU)
R. N. Sharan, M.Sc./Ph.D. (JNU)

Readers : A. Alam, M.Sc.(AMU), Ph.D. (Moscow)
D. Syiem, M.Sc./Ph.D. (NEHU)
A. K. Singh, M.Sc. (Gorakh), Ph.D.(Hyd.)

Lecturers : M. B. Syiem, M.Sc./Ph.D. (NEHU)
P. K. Ambasht, M.Sc./Ph.D. (BHU)
L. Kma, M.Sc./Ph.D.(NEHU)
K. Shah, M.Sc./Ph.D.(BHU)

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Student Intake:

A. Enrolment Capacity: M. Sc. = 15; PhD - variable

B. Actual Admission

SC/ST	Gen.	Male/ Female	Megh.	Non-Megh.		
M.Sc.	- 13	2	3	12	15	-
Ph.D.	- 1	1	2	-	1	1

Degrees Awarded:

	SC/ST	Gen	Male	Female	Megh.	Non-Megh.
M.Sc.	- 10	1	4	7	11	-
Ph.D.	- 1	-	1	-	1	-

Placement of Students:

Dr Jyotirmoy Bhattacharya is currently working as Post-Doctoral Fellow at Hebrew University, Israel and Dr. J. Oren Humtsoe as an Associate Specialist at UCSF, California. Some students are teaching in schools and colleges while others are pursuing their Ph.D programme.

Courses Conducted:

Semester I: Introductory Biological Chemistry, Environmental Biochemistry & Metabolic pathways-I, Enzymology, Practical.

Semester II: Techniques in Biochemistry, Physiological, Chemistry, Bioenergetics, Practical.

Semester III: Genetics, Medical Biochemistry, Metabolic, Pathways-II Practical.

Semester IV: Molecular Biology, Microbiology, Immunology, Practical.

Seminars/Conferences/Symposia/Extension Programme etc.

Organized:

(i) A seminar on "Advances in Biochemical Education and Research" was organized by the department on 25-26th February 2005 to commemorate the Silver Jubilee year of the department.

(ii) Dr. D. Syiem organized and was a Resource Person for NEC/NEBRC spon-

School of Life Sciences

sored workshop on Biodiversity Conservation on 24th July 2004 in Gangtok, Sikkim.

(iii) Dr. D. Syiem organized and was a Resource Person for NEC/NEBRC sponsored workshop on Biodiversity Conservation on 22nd October 2004 in Bomdilla, Arunachal Pradesh.

(iv) Dr D. Syiem, Dr A.K. Singh, Dr M.B. Syiem and Dr L. Kma were in the organizing committee of the national workshop on Conservation and Sustainable Utilization of Medicinal Plants of North East India held on May 27-28, 2004 at Bioinformatics Centre, North-Eastern Hill University, Shillong.

Attended:

1) R. Sharma, Dietary Restriction as a Potential Anti-ageing Intervention. Indian Ageing Congress, November 5-7, 2004, AIIMS, New Delhi.

2) D. Goyary and R. Sharma, Differential Regulation of Malate-aspartate Shuttle Enzymes in the Liver and Kidney of Mice During Dietary Restriction. 73rd Annual Meeting of the Society of Biological Chemists (I), November 21-24, 2004, G.B. Pant Agriculture & Technology, Pantnagar.

3) D. Nongbri and R. Sharma, Postnasal Changes in the Level of Glucocorticoid Receptors in the Liver and Kidney of Chicken. 73rd Annual Meeting of Society of Biological Chemists (I), November 21-24, 2004, G.B. Pant Agriculture & Technology, Pantnagar.

4) R. Sharma chaired a session on "Biology of Ageing" Symposium I on November 6, 2004 during Indian Ageing Congress, November 5-7, 2004 at AIIMS, New Delhi.

5) R. Sharma, R. Takahashi, H. Nakamoto and S. Goto, Carbonyl Modification of Rat Liver Histones: Effects of Age and Dietary Restriction. 77th Annual meeting of the Japanese Biochem. Soc., Yakohama, Japan, October 13-16, 2004.

6) A.K. Singh and S. Becker, Analysis of Cyanobacterial Diversity by Denaturing Gradient Gel Electrophoresis (DGGE). In: National Symposium on "Biology and Biodiversity of Freshwater Algae" sponsored by Ministry of Environment & Forest, held on September 8-9, 2004 at CAS in Botany, University of Madras.

7) K. Nonibala, A.K. Singh, M.B. Syiem and A.N. Rai, Methylammonium Uptake in the Thermophilic Cyanobacterium *Mastigocladus Laminosus* at the national symposium on "Biology and Biodiversity of Freshwater Algae" sponsored by Ministry of Environment & Forest, held on September 8-9, 2004 at CAS in Botany, University of Madras.

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8) D. Syiem, M.B.Syiem and S.R. Joshi presented a paper at the national seminar on Intellectual Property Rights, organized by St. Anthony's College, Shillong, held on 8th October 2004.

9) D. Syiem presented a paper at the workshop on "Vision Document for the State of Meghalaya, organized by NEHU held on 15th October 2004, NEHU, Shillong.

Publications:

Published Abroad:

Alam, A., Chowphi C. R. Singha, L.I., Sharan, R.N. and Singh, V. 2005. Radiomodulatory Effect of Liposome Encapsulated AK-2123 on the Tumor in Mice Exposed to Hepatocarcinogen. *Molecular and Cellular Biochemistry*, 271: 139-150.

Alam, A., Singha, L.I. and Singh, V. 2005. Molecular Characterization of Tumor Associated Antigen in Mice Exposed to a Hepatocarcinogen. *Molecular and Cellular Biochemistry*, 271: 177-188.

Becker S., Singh A.K., Christine P., Boeger P. and Ernst A. 2004. Genetic Diversity and Distribution of Periphytic *Synechococcus* spp. in biofilms and picoplankton of lake Constance. *FEMS Microbiology Ecology*, 49: 181-190.

Dutta, D. and Sharma, R. 2004. Age-dependent Dietary Regulation of Glucocorticoid Receptors in the Liver of Mice. *Biogerontology*, 5: 177-184.

Kayang, H, Kharbuli, B., Myrboh, B. and Syiem, D. 2005. Medicinal Plants of Meghalaya. *Acta Horticulturae*, 675: 75-80.

Srivastava, P.N. and Sharan, R.N. 2004. Need and Importance of Further Research in the Field of Radiation. In: *Life Sciences and Radiation: Accomplishments and Future Directions* (J. Kiefer, ed), 259-266, Springer, Berlin.

Published in India:

Rai, A.N. and Syiem, M.B. 2004. *Laboratory Safety Guidelines*. Shillong: NEHU Publications.

Ranhotra, H.S. and Sharma, R. 2004. Polyunsaturated Fatty Acids Inhibit Mouse Hepatic Glucocorticoid Receptor Activation In Vitro. *Indian Journal of Biochemistry & Biophysics*, 41: 246-249.

Sharma, R. 2004. Dietary Restriction and Its Multifaceted Effects. *Current Science*, 87: 1203-1210.

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Funds Received from Agencies other than NEHU:

DST, New Delhi to Prof A.N. Rai, (PI)	Rs.20.65 lakhs
DST, New Delhi to Prof R. Sharma, (PI)	Rs. 2.25 lakhs
DST, New Delhi to Dr K. Shah, (PI)	Rs. 4.26 lakhs
NEC, Shillong to Dr D. Syiem (Co-PI)	Rs. 30.00 lakhs
DST (FIST), New Delhi	Rs. 3.00 lakhs
Total fund received:	Rs. 60.16 lakhs

Infrastructure Facilities: The department purchased a super high speed refrigerated table top centrifuge, a sonicator water bath, an electrotransfer unit, two Olympus trinocular advance research microscope and ten Zenith PCs.

Research Projects:

- (a) *Ongoing:* 3
- (b) *New:*

1. Cyanobacteria as N-biofertilizer in Sustainable Agriculture: Biological Nitrogen Fixation in Newly Established Artificial Association Between Rice and Cyanobacteria. Prof A.N. Rai, 20.65 lakhs, DST.

2. UGC-Special Assistance Programme (UGC-SAP). (Coordinator Prof A.N. Rai) 32 lakhs.

Other Activities:

Prof R. Sharma was (a) Elected Council Member of the Association of Gerontology, India (AGI); (b) Delivered a lecture at the extension training programme of NSS officers on University Talk AIDS at NEHU, Shillong on 19.8.2004 on "Role of Nutrition for Positive Living" organized by GOI, Ministry for Youth Affairs & Sports, NSS, North East Region, Guwahati, August 17-20, 2004; (c) Delivered lectures in the Refresher Course held at Department of Zoology, NEHU on December 4, 9 & 11, 2004 on the topics 'Protein organization', 'Blood Clotting Mechanisms' and 'Biochemistry of Vision', respectively.

Prof. R. N. Sharan was an "Invited Professor" at Osaka University, Japan during April – August 2004 at the Graduate School of Medicine. During his stay, besides conducting research and taking part in international lecture meet, Prof.

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Sharan also delivered several special talks to students of medicine and participated in the Academic Council deliberations of the university.

Prof A.N. Rai, Prof R. Sharma, Prof R.N. Sharan, Dr A.K. Singh, Dr M.B. Syiem, and Dr K. Shah delivered lectures and conducted practicals in Refresher Course held at the Department of Botany, NEHU from 28th October to 19th November 2004.

Dr D. Syiem was member of organizing committee/Resource Person for the (a) Organizational workshop for implementing projects on Environmental Orientation in the Schools of North East India at Guwahati on 21-22 May, 2004, sponsored by MHRD; (b) Writers' workshop on Environmental Education for Schools of North East India, GOI, at Shillong on 17-18th June, 2004, sponsored by MHRD; (c) DONOR-NEHU sponsored Capacity Building Workshop for the Khasi Hills Autonomous District Council (Shillong, 1-3rd September 2004); (Jowai on 8-10th September 2004); (Tura on 12-13th October 2004).

Dr K. Shah attended the orientation course in Information Technology held at the Academic Staff College, BHU, Varanasi from June 22 to July 19, 2004.

Dr. P. K. Ambasht attended the orientation course at the Academic Staff College BHU, Varanasi from September 11 to October 8, 2004.

Dr. M. B. Syiem attended the Refresher Course in Environmental Education II at the Academic Staff College, Gauhati University, Guwahati from March 7 to 27, 2005.

DEPARTMENT OF BOTANY

Telephone number: 0364-2722201 (O)

0364-2551440

Email: headbotany@nehu.ac.in

Thrust Area of Research: The thrust areas of the department are: Ecological analysis of forest and agro-forestry ecosystems; Biodiversity inventory and conservation (*in vitro* and *in vivo* technologies, gene bank; cryo-preservation, molecular markers); Survey and documentation (physical and electronic herbaria) of plant genetic re-

School of Life Sciences

sources; Molecular characterization of rare, endangered and endemic plants; Isolation of genes coding desirable traits; Molecular phylogeny and ecology; Native and transgenic bio-inoculants.

Brief Statement of Academic Activities: Intake capacity increased from 20 to 23 students at M. Sc. level. A total of 16 Ph. D. students were admitted during the year. Externally funded research projects received a grant of Rs. 82.46 lakhs. Distinguished visitors delivered lectures to the faculty and students from time to time. Four meetings of national importance were organized. Establishment of on-campus Botanic Garden at the University was completed. The department organised a meeting of the Advisory Committee of the UGC- DSA (Phase II) and the Advisory Committee of the UGC-COSIST Programme. Educational excursion for post graduate students was undertaken during February 2005. Two students qualified NET.

Head: Professor Nikhil K. Chrungoo

Faculty:

Professors : R. S. Tripathi*, M.Sc. (Agra), Ph.D. (BHU)
P. Tandon, M.Sc. (Lucknow), Ph.D. (Jodh.)
H. N. Pandey, M.Sc./Ph.D. (BHU)
A. K. Misra, M.Sc./Ph.D. (Meerut)
N. K. Chrungoo, M.Sc./Ph.D. (Kashmir)
R. C. Laloo, M.Sc./Ph.D. (Gau.)
M. S. Dkhar, M.Sc./Ph.D. (NEHU)

Readers : Y. Kumar, M.Sc. (Agra), Ph.D. (NEHU)
L. Kharluki, M.Sc. (NEHU), Ph.D. (IARI)
N. Venugopal, M.Sc./Ph.D. (Madr.)
S. K. Barik, M.Sc. (Berhampur), Ph.D. (NEHU)
Uma Shankar, M.Sc. (Agra), Ph.D. (NEHU)

Lecturers : H. Kayang, M.Sc./Ph.D. (NEHU)
S. Kumaria, M.Sc./Ph.D. (NEHU)

* retired on May 31, 2004

Visiting Professors/Fellows/Scholars: Prof. Klaus J. Appenroth of University of Jena, Germany, visited the department from August 2 to September 26, 2004. Prof. Klaus delivered a lecture to the faculty on "Use of the small aquatic plant duckweed," at the seminar hall of the School of Life Sciences on September 17, 2004. He also delivered lectures in the Botany Department on "Use of tomato mutants in studying the effect of light on seed germination" and on "Recent insight into starch degradation" on August 12, 2004 and September 23, 2004, respectively. Besides, he also taught in M.Sc III Semester in the departments of Botany and Biochemistry.

Student Intake:

A. Enrolment Capacity: M.Sc. – 23; Ph.D. – variable

B. Actual Admission:

	SC/ST	Gen	Male/Female	Total	From Meghalaya/Outside
M. Sc.	22 1	4	19 23		12 11
Ph. D.	13 3	6	10 16		8 8

Degrees Awarded:

	SC/ST	Gen	Male/Female	Total	From Meghalaya/Outside
M. Sc.	20	3	13 10	23	16 7
Ph. D.	2	3	2 3	5	- 5

Ph.D:

1. Mr. Susant Kumar Parida, "Effect of Agricultural Practices on the Structure and Function of Vascular-anbrscular Mycorrhizae in Meghalaya". Supervisor: Dr. M.S. Dkhar.

2. Mr. R. Lalfakzuala, "Studies on Soil Microbiology of Groundnut (*Arachis hypogaea* L.) Under Different Fertilizer Treatments". Supervisor: Dr. H. Kayang, Joint Supervisor: Dr. M.S. Dkhar.

3. Ms. Kh. Ashalata Devi, "Studies on Plant Diversity and Re-generation of a Few Tree Species in the Sacred Groves of Manipur." Supervisor: Prof. R. S. Tripathi & Joint Supervisor: Dr. M.L. Khan.

4. Mr. Adani Lokho, "Studies on Biodiversity and Experimental Taxonomy of *Dendrobium* Sw of North-East India". Supervisor: Dr. Y.Kumar.

School of Life Sciences

5. Ms. Ningombam Rashi Devi "Reproductive Biology of Endemic and Endangered Insectivorous Indian Species *Nepenthes khasiana* Hk.f." Supervisor: Dr. N. Venugopal.

Placement of Students in Various Services: Students passing out from this Department are placed in prestigious teaching and research institutions in India and abroad.

Courses conducted during the year:

Mycology, Plant Pathology and Microbiology
Mycology, Plant Pathology and Microbiology,
Algae, Bryophytes and Pteridophytes
Algae, Bryophytes and Pteridophytes
Gymnosperms and Plant Anatomy
Gymnosperms and Plant Anatomy
Plant Taxonomy and Phytogeography
Plant Taxonomy and Phytogeography
Plant Biochemistry and Molecular Biology
Plant Biochemistry and Molecular Biology
Plant Development and Reproduction
Plant Development and Reproduction
Genetics, Cytogenetics and Plant Breeding
Genetics, Cytogenetics and Plant Breeding
Plant Ecology and Biostatistics
Plant Ecology and Biostatistics
Plant Physiology
Plant Physiology
Biotechnology and Genetic Engineering of Plants and Microbes
Biotechnology and Genetic Engineering of Plants and Microbes
Ecosystem analysis and environmental conservation
Ecosystem analysis and environmental conservation
Project work in any one of the eight areas listed below

*Higher Plant Ecology, Microbial Ecology, Plant Molecular Biology, Advanced Plant Physiology, Taxonomy and Biodiversity of Angiosperms, Development and Reproduction of Angiosperms, Plant Biotechnology, Plant Genetics and Cytogenetics.

Study Tours/Field Trips of Students: A 10-day academic study tour of M. Sc III semester students was conducted under the supervision of Dr. H. Kayang, assisted by Mr. Kumar Sohlang during February 7-16, 2005. The students visited gardens, museums and ecosystems of botanical interest in Darjeeling, Kalimpong and Gangtok.

Seminars/Conferences/Symposia/Extension programmes:

a. Organized:

International Symposium on "Recent Trends in Plant Ecology and Biodiversity Research" at NEHU on May 20-22, 2004.

National Seminar on "Frontiers in Plant Sciences" at NEHU on March 17-18, 2005.

National Workshop on "Conservation and Sustainable Utilization of Medicinal Plants of North-East India" sponsored by the Ministry of Environment & Forests, Government of India, on May 27-28, 2004.

Training course on "Database Creation with Emphasis on Biodiversity" sponsored by the Department of Biotechnology, Ministry of Science & Technology, New Delhi, on February 22-24, 2005.

b. Attended:

Prof. P. Tandon delivered a lecture on "Medicinal Plants of North-East India: Conservation Strategies and Recommendations for Sustainable Utilization" at the national workshop on "Conservation and Sustainable Utilization of Medicinal Plants of North-East India", sponsored by the Ministry of Environment & Forests, Government of India (May 27-28, 2004). He also delivered an invited talk on "Plant Diversity in India: Ethos and Conservation" at the National Symposium on Recent Trends in Plant Sciences at XXVII All India Botanical Conference at Anantpur (October 29-31, 2004), and chaired a session entitled "Usage of Resources: Databases and Software" at the Birla Institute of Scientific Research, Jaipur (February 3-4, 2005).

Prof. H. N. Pandey delivered a lecture entitled "Environment Ecology and Natural Resources" at national level training programme on Environmental Statistics with Special Reference to Nature Resource Accounting on August 2-7, 2004 at NEHU, Shillong. He also delivered two lectures in the UGC Refresher Course organized by Botany Department, D.D.U. University, Gorakhpur University

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during December, 2004.

Prof. A. K. Misra attended a meeting of the Tea Improvement Consortium at Toklai Tea Research Institution on December 15, 2004, to finalise research thrust on tea improvement.

Prof. N. K. Chrungoo attended the 9th International Symposium on Buckwheat held under the auspices of International Buckwheat Research Association on Aug. 18-22, 2004 at Czech University of Agriculture, Prague. He also attended the 2nd Buckwheat International Meeting held at Telgio-Valtellina, Italy on August 27-28, 2004 and delivered a lecture entitled "Buckwheat Grain Proteins: Characterization and Utilization". He presented a paper entitled "Genetic Diversity in Accession of Himalayan Buckwheat revealed by SDS-PAGE of Soluble Proteins Extracted from Single Seeds and RAPD based DNA Finger Printing in the 9th International symposium on Buckwheat on August 18-22, 2004, at the Czech University of Agriculture, Prague. He chaired the session on Genetic Resources and Biotechnology of Buckwheat during the 9th International Symposium on Buckwheat at the Czech University of Agriculture, Prague on August 18 to 22, 2004. He delivered a lecture entitled "Buckwheat Grain Proteins: Characterization and Utilization" at the National Institute of Nutrition, Rome (Italy) on August 30, 2004. He delivered an extension lecture "Buckwheat seed proteins: A Case for Biotechnological Approaches Towards Improvement of Nutritional Quality" at the Slovenian Academy of Science, Art and Culture at Ljubljana, Slovenia on September 17, 2004.

Dr. S. K. Barik attended a two-day ICUN seminar on Sacred Natural Site-India held at Pune on 6-7 November, 2004 organised by RANWA, Pune and presented a paper entitled Sacred Species, Ecosystems and Landscapes in North-east India. He chaired a session on "Major research priorities on policy oriented research" at the workshop on Policy Issues in the Conservation of Tropical Forest in Meghalaya held in Shillong on 19th December 2004 organised by ATREE and Department of Environment and Forests, Government of Meghalaya. He attended a two-day international seminar on Shifting Cultivation held in Shillong on 2-3 December 2004 organised by ICMOD, Kathmandu and delivered a talk on Shifting Cultivation and Crop Diversity. He also presented two papers entitled, "Reduced Influence of Community Institution for the Management of Community Forest in North-east India" and "Sustainable Community Scale Model for North-east India" at the Community Forest International workshop held at Shillong on 3-4 December 2004.

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Dr. Uma Shankar delivered the keynote address and a lecture on "Information Technology and its Applications in Life Sciences" at the UGC sponsored national seminar on Information Technology at Fazl Ali College, Mokokchung, Nagaland on October 26-27, 2004. He delivered a lecture on "Global Plan of Action for the Conservation of Plant Genetic Resources" at the Training Workshop on "Wild Relatives of Crop Plants and Post Collection Handling of Germplasm" at NBPGR, ICAR Complex, Barapani, Meghalaya on July 26-28, 2004. He also attended a meeting on "Sub-working Group on Carbon Cycle and Global Change (CC & GC)" at the Indian Institute of Remote Sensing, Dehradun on January 6, 2005.

Dr. H. Kayang attended a UGC-sponsored Refresher Course on Recent Advances in Botany from 28th October to 19th November 2004.

Dr. Suman Kumaria attended a UGC-sponsored Refresher Course on Recent Advances in Botany from 28th October to 19th November 2004.

Publications

Published Abroad:

Chrungoo, N. K., Bharali, S. and Jamir, C. 2005. Seed Storage Protein Structure, Properties and Approaches for Improvement by Genetic Engineering. *International Treaties Series on Advances in Plant Physiology*, 8: 121-142.

Upadhaya, K., Pandey, H. N., Law, P. and Tripathi, R. S. 2005. Dynamic of Fine Roots and Coarse Roots and Nitrogen Mineralization in a Humid Subtropical Forest Ecosystem of Northeast India. *Biology and Fertility of Soils*, 41: 144-152.

Published in India:

Barik S. K. 2004. Achieving Decentralization and People's Participation in Natural Resource Management and Rural Development Programmes: Impact of Globalization in North-East India. In *Globalisation and Development Dilemma*. M.C. Behera (ed). New Delhi: Mittal Publications, 117-129.

Barik, S. K. 2004. JFM in North-East. In *Root to Canopy: Regenerating Forests Through Community-state Partnerships*. V. K. Bahuguna, D. Capistrano, K. Mitra and S. Saigal (eds). New Delhi: Commonwealth Forestry Association and Winrock International, India, 127-133.

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- Deb, C. R. and Tandon, P. 2004. Establishment of an Embryogenic Suspension Culture of *Pinus Kesiya* (Khasi pine) from Various Explants. *Indian Journal of Biotechnology*, 3: 445-448.
- Deb, C. R. and Tandon, P. 2004. Factors Influencing Initiation of Embryogenic Cultures in *Pinus Kesiya* Royle ex. Gord. *Indian Journal of Biotechnology*, 3: 589-593.
- Devi, A., Khan, M. L. and Tripathi, R. S. 2005. An Ethnobotanical Study of Medicinal Plants in Sacred Groves of Manipur, North-East India. *Indian Journal of Traditional Knowledge*, 4: 21-32.
- Devi, A., Khan, M. L., and Tripathi, R. S. 2004. Sacred Groves of Manipur Centre for the Conservation of Biodiversity. *Current Science*, 87: 430-433.
- Dkhar, D. N. and Dkhar, M. S. 2004. Decomposition of Pine Needles by the Earthworm *Drawida Papillifer Papillifer* in Laboratory Condition. *Asian Journal of Microbiology, Biotechnology and environmental Science*, 6: 521-524.
- Hussian, Z. and Barik, S. K.(eds). 2004. *Development and Environment*. New Delhi: Regency Publications.
- Jeeva, S., Mishra, B. P., Venugopal, N. and Laloo, R. C. 2005. Sacred Groves; Traditional Ecological Heritage in Meghalaya. *Journal of Scottish Research Forum*, 1: 93-97.
- Kayang, H. Kharbuli, B. Syiem, D. Myrboh, B. 2005. Medicinal Plants of Khasi Hills of Meghalaya, India. Proc. The Third World Congress on Medicinal and Aromatic Plants (WOCMAP.III) Vol. I. Bioprospecting and Ethnopharmacology J. Bernath. E. Nemeth, L. E. Craker and Z.E. Gardener(eds). *Acta Horticulturae*, 675, ISHS, pp. 75-80.
- Khan, M. L. and Uma Shankar. 2004. Seed Mass, Germination and Seedling Growth in *Artocarpus chama*. *International Journal of Ecology and Environmental Sciences*, 30: 369-376.
- Khan, M. L., Bhuyan, P. and Tripathi, R. S. 2005. Fruit Set, Dispersal and Nut Bank Dynamics in a Threatened Tree Species Rudraksh (*Elaeocarpus ganitrus* Roxb.) In Eastern Himalayas in Relation to Cultural Disturbances. *Current Science*, 88: 133-142.
- Kumaria, S. and Tandon, P. 2004. Nucleic Acid and Soluble Protein Contents at

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Different Stages of Protocorm Development of *Dendrobium Fimbriatum* Var. *oculatum* Hk. f. as Influenced by Growth Regulators. *Biosciences. Biotechnology Research Asia*, 2: 65-70.

Laloo, R. C. 2004. Comparative Study of the Soil Types Under Different Crops in High Altitude and Heavy Rainfed Areas of Meghalaya. *Geobios*, 31: 249-252.

Laloo, R. C. 2004. Ecological Studies of the Weed Flora of Different Crop Fields in High Altitude and Heavy Rainfed Area of Meghalaya. *Flora and Fauna*, 9: 9-12.

Laloo, R.C. 2003. *Weed Ecology*. Shillong: Capital Printing Press.

Laloo, R.C. 2003. *Weeds of Meghalaya*. Shillong. Capital Printing Press.

Malhotra, K.C. Barik, S. K. Tiwari, B. K. and Tripathi, R.S.(eds). 2004. *Joint Forest Management in North-East India: a Trainers' Resource Book*. Shillong: Regional Centre, National Afforestation and Ecodevelopment Board.

Misra, A. K. and Verghese, S. K. 2004. Some Aspect of Actinorhizal Symbiosis. *Indian Journal of Microbiology*, 44: 235-246.

Sarma, K., Barik, S. K. and Rai, R.K. 2004. Impact of Coal Mining on the Nokrek Biosphere Reserve of Meghalaya. In *Development and Environment*. Z. Hussain and S.K. Barik (eds). New Delhi: Regency Publications, 229-257.

Tandon, P. 2004. Conservation and Sustainable Development of Plant Resources of North-East India. *Man and Society*, 1: 49-59.

Tandon, P. 2004. Role of Biotechnology in Conservation of Plant Genetic Resources in the 21st Century - An Indian Perspective. In: *Plantinum Jubilee Lectures- 87th and 88th Session of Indian Science Association*. S. P. Banerjee and S. P. Mukherjee (eds). Kolkata: Auto Print Publicity House, 40-67.

Tandon, P. and Kumaria, S. 2005. Prospects of Plant Conservation Biotechnology in India with Special Reference to Northeastern Region. In *Biodiversity: Status and Prospects*. P. Tandon, M. Sharma and R. Swarup (eds). New Delhi: Narosa Publishing House, 79-92.

Tandon, P., Sharma, M. and Swarup, R. (eds). 2005. *Biodiversity- Status and Pros-*

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pects. New Delhi: Narosa Publishing House.

Upadhaya, K., Pandey, H. N., Law, P. and Tripathi, R.S. 2005. Diversity and Population Characteristics of Woody Species in Subtropical Humid Forests Exposed to Cultural Disturbance in Meghalaya, Northeast India. *Tropical Ecology*, 45: 1-12.

Funds Received from Agencies other than NEHU:

Source	Amount (in Rs. Lakhs)
DBT	34.25
IERP-GBPIHED	3.72
MoEF	9.00
NEC*	20.00
DST-NSF	0.74
CFI*	7.46
DST-NSF	7.26
Total	82.46

* These projects are of inter-departmental nature

Infrastructure Facilities: During the year the department has established a fully air conditioned Central Instruments Facility with funds received from DST under its FIST programme. Most of the major equipments procured by the department from funding by the university as well as other sources have been transferred to the facility. The facility is manned by an STA who is assisted by a laboratory attendant. Besides, construction of a seminar hall, three research laboratories and one faculty chamber was completed under the 9th plan.

A recent addition to the Botanical Garden has been the Controlled Environmental Facility for growing plants (*Phytotron*). This is the only facility of its type in the entire north eastern part of the country. This facility will give tremendous boost to our on going teaching and research activities.

Research projects:

a. Ongoing: 7

b. New:

1. Development of Sustainable Landscape Model for North-East India, S.K.

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Barik & B. K. Tiwari, Rs 7.46* lakhs, CFI, MacArthur Foundation.

2. Inventory and Spatial Mapping and Modeling of Sacred Biodiversity Landscapes for Conservation in Meghalaya, Uma Shankar, Rs 2.22 lakhs, IERP-GBPHIED.

3. Study of Forest Fragmentation and Its Impact on Population Ecology of Ethno and Threatened Plants of Khangchendzonga Biosphere Reserve, Sikkim, H. N. Pandey, S.K. Barik & R.S. Tripathi, Rs 7 lakhs, MoEF.

4. Ecorestoration of Degraded Sacred Groves in Meghalaya, H. N. Pandey, & S.K. Barik, Rs 1.5 lakhs, IERP-GBPHIED.

5. State of Environment Reporting in Meghalaya, S.K. Barik, R. S. Tripathi & H. N. Pandey, Rs 2 lakhs, MoEF.

6. Ecological Studies in Ranswandi and Diwangor Lakement Areas of Arunachal Pradesh, S. K. Barik, Rs 2.3 lakhs, WPC MoWR.

7. Ecological Studies in Bhagirathi and Alaknanda Catchment Area of Uttaranchal, S.K. Barik, Rs 4.96 lakhs, WPC MoWR.

* Inter-departmental Project

c. Completed: **6**

Academic/Professional collaboration:

1. Indo-US collaborative research programme; PI: Prof. A. K. Misra* & Prof. R. S. Tripathi (retired on May 31, 2004); Prof. David Myrold (USA).

2. Community Forestry Project in North-East India; PI: Dr. S. K. Barik & Prof. B. K. Tiwari; Mr. S. Palit & Dr. Mark Poffenberger (USA).

3. Prof. N. K. Chrungoo is collaborating with:

a. Dr. D. Bonaffacia, National Institute of Nutrition, Rome, Italy.

b. Prof. Ivan Kreft, Biotechnical faculty, Univ. of Ljubljana (Slovenia).

4. The department also collaborates with the following organisations:

ICAR Research Complex for NE Hill Region, Barapani, Shillong.

Meghalaya Pollution Control Board, Shillong.

Indian Institute of Science, Bangalore.

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Botanical Survey of India, Shillong.

Forest Department, Government of Meghalaya, Shillong.

NBPGR Regional Centre, Shillong.

North-Eastern Institute of Science and Technology, Arunachal Pradesh.

Indian Institute of Remote Sensing, Dehra Dun.

Centre for Environmental Studies, NEHU.

Regional Centre of National Afforestation and Ecodevelopment Board (MoE&F, Govt. of India).

Tea Research Association, Toklai.

Honour/Award/Recognition:

Prof. P. Tandon received Prof. Panchanan Maheshwari Medal from the Indian Botanical Society. He was also appointed member of the Task Force of Bioinformatics, Department of Biotechnology, Government of India.

Prof. N. K. Chrungoo was elected as the Asia Pacific representative to the executive committee of the International Buckwheat Research Association (IBRA). He was also nominated as the member of the editorial board of FAGOPYRUM, the official journal of International Buckwheat Research Association.

Other Activities:

Prof. A. K. Misra visited Oregon State University, USA from 26 August to 14th September 2004.

Prof. N. K. Chrungoo visited the University of Ljubljana from 24th August to 27th September 2004.

Department of Zoology

Telephone number : 0364-2722304 (O) / 0364-2550085 (R)
Email: gupta@nehu.ac.in

Thrust Area of Research:

Functional Biology (Parasitology, Limnology & Biosystematics, Endocrinology, Cell Biology, Developmental Biology, Biochemical Adaptation, Animal Physiology, Genetics, Entomology, Biodiversity).

Brief Statement of Academic Activities:

The department conducted UGC-sponsored 29th Refresher Course in Zoology for college and university teachers. Five students qualified CSIR-UGC NET in the year 2004-05. Around a dozen of its alumni got employment in colleges and government institutions in this academic year.

The department continued with the third phase of the DRS scheme (DRS-III), which was granted in the year 2001 by the UGC under its Special Assistance Programme to promote higher research with special reference to the N.E. region. The department completed the UGC-sponsored COSIST programme and also the 4th year of DST- sponsored FIST programme. During the financial year 2004-05, the department received Rs. 32.5 Lakhs under extramural research projects sponsored by the UGC, CSIR, DST, DBT, DAE, DoE&F, GB Pant Institute of Himalayan Environment & Development and State DST. All these projects have a direct relevance to the socio-economic development of the N.E. region.

Head: Professor B. B. P. Gupta

Faculty:

Professors : V. Tandon, M.Sc.(Hons.), Ph.D.(Panj.)
B. K. Sharma, M.Sc.(Hons.), Ph. D.(Panj.)
B. B. P. Gupta, M.Sc./Ph.D.(BHU)
S. B. Prasad. M.Sc./Ph.D(BHU)
R.N.K. Hooroo, M.Sc./Ph.D.(NEHU)
N. Saha, M.Sc./Ph.D.(NEHU)

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Readers	:	B. Kharbuli, M.Sc./Ph.D.(NEHU) A. Chatterjee, M.Sc.(Burd.), Ph.D.(BHU) A. K. Yadav, M.Sc.(Agra), Ph.D.(NEHU)
Lecturers	:	S. Choudhury, M.Sc./Ph.D.(NEHU) S. R. Hajong, M.Sc./Ph.D.(NEHU)

Visiting Professors/Fellows/Scholars: Dr. Dan Harries of the School of Life Sciences, Heriot Watt University, Edinburgh, (U. K.) visited the department and delivered a lecture entitled, "A review of the cave fauna of Meghalaya".

Student Intake:

A. Enrolment Capacity: M.Sc. – 24; Ph.D. – variable

B. Actual Admission:

	SC/ST	Gen	Male/Female	Total	From Meghalaya/Outside		
M. Sc.	20	4	7	17	24	19	5
Ph. D.	2	2	3	1	4	-	4

Degrees Awarded:

	SC/ST	Gen	Male/Female	Total	From Meghalaya/Outside		
M. Sc.	20	1	9	12	21	9	12
Ph. D.	2	3	3	2	5	2	3

Ph.D.

Bidyadhar Das, "Anthelmintic Efficacy of *Flemingia Vestita*: An in Vitro Study on Carbohydrate Metabolism in the Cestode, *Raillietina Echinobothrida*". Supervisors: Prof. V. Tandon and Prof. N. Saha.

S. Bhattarai, "Limnology of Aquatic Ecosystems of Bhutan with Emphasis on Biodiversity of Zooplankton". Supervisor: Prof. B. K. Sharma.

Shanwell Khongwir, "Studies on Ecology, Breeding and Development of the Tree Frog *Rhacophorus Maximus* Gunther in Meghalaya". Supervisor: Prof. R.N. K. Hooroo.

Zaiba Y. Kharbuli, "Purification and Characterization of the Urea Cycle Related Carbamyl Phosphate Synthetase(s) and Expression of Urea Cycle Enzymes in a Ureogenic Air-breathing Catfish, *Clarias batrachus* during early life stages". Supervisor: Prof. N. Saha.

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Aparajita Dutta, "Radiation and Bleomycin Induced Cell-cycle Delay, Apoptosis and DNA Damage in Mammalian Cells with Respect to Endogenous Glutathione Status". Supervisor: Dr. A. Chatterjee.

Placement of Students: Ms. Ilona J. Kharkongor and Ms. Jenifer Lyngdoh were appointed as Scientist B and Mr. D. Khyndriem and Mr. Amit Rana, as Senior Technical Assistant in the Zoological Survey of India, Eastern Regional Station, Shillong.

Courses Conducted:

M. Sc. Semester I

Cell Biology & Immunology

Molecular Biology

Animal Physiology

M. Sc. Semester II

Biological Chemistry

Genetics and Developmental Biology

Parasitology and Entomology

M. Sc. Semester III

Ecology and Environmental Biology

Endocrinology and Reproductive Biology

Aquatic Biology and Fisheries

M. Sc. Semester IV

Biosystematics & Evolution

Techniques in Biology and Biometrics

Special Paper*

* Biochemical Adaptation and Metabolic Regulation, Developmental Biology and Differentiation, Endocrinology and Reproductive Physiology, Insect Physiology, Genetics, Molecular Cell Biology & Immunology.

Study Tour/Field Trips of Students: Prof. S. B. Prasad and Dr. S. R. Hajong took the M. Sc. students on a study tour to Rajasthan (an arid climatic zone), Delhi and Agra (16th January to 2nd February, 2005).

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Seminars/Conferences/Symposia etc.

a. Organised:

The department organized the "29th Refresher Course in Zoology" from 23rd November to 13th December 2004 (Coordinator: Prof. S. B. Prasad).

b. Attended:

B. Das (supervisor Prof. V. Tandon) attended the XII General Assembly of SCOPE (Scientific Committee on Problems of the Environment) held at New Delhi, February 7-11, 2005 and presented a paper entitled, "Prevalence of Zoonotic Helminths and Traditional Remedies Against Helminthiasis in Meghalaya, North-east India".

Prof. B. K. Sharma attended the International Symposium on "Recent Trends in Plant Ecology and Biodiversity Research", May 20-22, 2004, Department of Botany, NEHU, Shillong and presented a paper entitled, "Composition and Ecology of Phytoplankton of a Subtropical Reservoir of Meghalaya with Remarks on Temporal Variations". He chaired a session at the "13th National Symposium on Environment", June 5-7, 2004, NEHU, Shillong and presented a paper entitled "Baseline Monitoring of Water Quality of Domiasiat and Its Adjacent Areas of Meghalaya".

Ms. Y Premabati, Ms. Khamtilin & Ms. E. Pala (supervisor Prof. B. B. P. Gupta) attended the "XXIII National Symposium on Reproductive Biology and Comparative Endocrinology" February 7-9, 2005, held at Visva Bharati, Santiniketan and presented papers entitled (i) "*In Vitro* Effects of Adrenergic and Cholinergic Agonists and Antagonists on Arylalkylamine N-acetyl-transferase (AA-NAT) Activity in the Photoreceptive Pineal of *Clarias Gariepinus*", (ii) Differential Effects of cAMP and cGMP on Pineal Arylalkylamine-N-acetyl-transferase (AA-NAT) Activity in the Photoreceptive Pineal of the Air-breathing Fish, *Clarias Gariepinus*", and (iii) Effects of Thyroid Hormones and Goitrogen on Pineal Arylalkylamine-N-acetyltransferase Activity Circadian Rhythm in the Fish, *Clarias Gariepinus*".

Dr. A. Chatterjee attended the "International Conference on Recent Trends in Radiation Biology", December 1-3, 2004, BARC, Mumbai as an invited speaker and delivered a lecture entitled, "Glutathione Status and Modulation of Clastogenic Activity of Radiation in Mammalian Cells".

Dr. A. K. Yadav acted as a Resource Person in "Integrated Scampi-fish and Apiculture Workshop", University of Allahabad, Allahabad, February 3-5, 2005.

Dr. S. R. Hajong attended the symposium cum workshop on "Developing Capacity Building of Young Scientists for Nutrition Research", Shillong: February 14-17, 2005, organized by Indian Council of Medical Research, New Delhi.

Publications:

Published abroad

- Das, B., Tandon, V. and Saha, N. 2004. Anthelmintic efficacy of *Flemingia vestita* (Fabaceae): Alteration in the Activities of Some Enzymes of Glycolysis in the Cestode, *Raillietina Echinobothrida*. *Parasitology Research*, 93: 253-261.
- Das, B., Tandon, V. and Saha, N. 2004. Anthelmintic Efficacy of *Flemingia Vestita* (Fabaceae): Alterations in Glucose Metabolism of the Cestode, *Raillietina Echinobothrida*. *Parasitology International*, 53: 345-350.
- Das, B., Tandon, V. and Saha, N. 2004. Effects of Phytochemicals of *Flemingia Vestita* (Fabaceae) on Glucose 6-phosphate Dehydrogenase and Enzymes of Gluconeogenesis in a Cestode (*Raillietina echinobothrida*). *Comparative Biochemistry and Physiology*, 139C: 141-146.
- Donner, M.G., Warskulat, U., Saha, N. and D Häussinger. 2004. Enhanced Expression of Basolateral Multidrug Resistance Protein Isoforms Mrp3 and Mrp5 in Rat Liver by LPS. *Biological Chemistry*, 385: 331-339.
- Engel, L., Gupta, B.B.P., Lorenzkowski, V., Heinrich, B., Schwerdtle, I., Gerhold, S., Holthues, H., Vollrath, L. and Spessert, R. 2005. Fos-related Antigen 2 (Fra-2) Memorizes Photoperiod in the Rat Pineal Gland. *Neuroscience*, 132: 511-518.
- Kar, P.K., Tandon, V. and Saha, N. 2004. Anthelmintic Efficacy of Genistein, the Active Principle of *Flemingia Vestita* (Fabaceae): Alterations in the Free Amino Acid Pool and Ammonia Levels in the Fluke, *Fasciolopsis Buski*. *Parasitology International*, 53: 287-291.
- Kayang, H., Kharbuli, B., Myrboh, B. and Syiem, D. 2005. Medicinal Plants of Khasi Hills of Meghalaya, India. *Acta Horticulturae*, 675: 75-80.
- Kubitz, R., Saha, N., Köhlkamp, T., Dutta, S., vom Dahl, S., Wettstein, M. and D Häussinger. 2004. Ca²⁺-dependent Protein Kinase C-isoforms Mediate Cholestasis in Rat Liver. *Journal of Biological Chemistry*, 279: 10323-10330.

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- Sharma, B.K. 2004. Rare and Interesting Monogonont Rotifers (Rotifera, Eurotatoria) from North-Eastern India. *Mitt. Mus. Nat. kd. Berl. Zool. Reihe*, 80: 33-40.
- Sharma, B.K. 2005. Rotifer Communities of Floodplain Lakes of the Brahmaputra Basin of Lower Assam (N. E. India): Composition, Distribution and Ecology. *Hydrobiologia*, 533: 209-221.
- Sharma, B.K. and Sharma, S. 2005. Biodiversity of Freshwater Rotifers (Rotifera: Eurotatoria) from North-Eastern India. *Mitt. Mus. Nat. kd. Berl. Zool. Reihe*, 81: 81-88.
- Tangpu, V., Temjenmongla and Yadav, A.K. 2004. Anticestodal Activity of *Trifolium Repens* Extract. *Pharmaceutical Biology*, 42: 1-3.
- Temjenmongla and Yadav, A.K. 2005. Anticestodal Efficacy of Folklore Medicinal Plants of Naga Tribes in Northeast India. *African Journal of Traditional and Complementary Medicines*, 2: 129-133.

Published in India:

- Goswami, C., Datta, S., Biswas, K. and Saha, N. 2004. Changes of Cell Volume Effect Gluconeogenesis in the Perfused Liver of Catfish, *Clarias Batrachus*. *Journal of Biosciences*, 29: 337-347.
- Gupta, B.B.P., Spessert, R. and Vollrath, L. 2005. Molecular Components and Mechanism of Adrenergic Signal Transduction in Mammalian Pineal Gland: Regulation of Melatonin Synthesis. *Indian Journal of Experimental Biology*, 43: 115-149.
- Kar, P.K. and Tandon, V. 2004. Anthelmintic Efficacy of Genistein, the Active Principle of *Flemingia vestita* (Fabaceae): Alterations in the Activity of the Enzymes Associated with the Tegumental and Gastrodermal Interfaces of the Trematode, *Fasciolopsis Buski*. *Journal of Parasitic Diseases*, 28: 45-56.
- Marngar, D., and Kharbuli, B. 2004. Effect of *Ageratum Conyzoides* Extracts on the Larvae of *Metanastria Lattipennis*. *Allelopathy Journal*, 14: 71-76.
- Marngar, D., Kharbuli, B. and Choudhury, S. 2004. Effect of *Ageratum Conyzoides* Extracts on Consumption Growth Rate and Conversion Efficiencies in Instar Nymphs of *Oxya Hyla*. *Uttar Pradesh Journal of Zoology*, 24: 267-276.
- Prasad, S.B. and Khyntiam, D. 2004. Cisplatin-induced Changes in Tissue Glutathione Level and Glutathione-related Enzymes in Dalton's Lymphoma Bearing Mice.

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In: *Metal Ions in Biology and Medicine*. Eds. Cser, M.A., Laszlo, I.S., Etienne, J.C., Maynard, Y., Centeno, J.A., Khassanova, L., Collery, P.H., John Libbey. Paris: Eurotext, 8: 368-372.

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School of Life Sciences

Funds Received from Agencies other than NEHU (Source and amount):

Ministry of Environment & Forests, GOI	Rs. 3.40 Lakhs
G. B. Pant Inst. of Himalayan Env. & Development	Rs. 1.04 Lakhs
DST, Govt. of India	Rs. 2.60 Lakhs
DBT, Govt. of India	Rs. 10.35 Lakhs
UGC, New Delhi	Rs. 0.90 Lakhs
CSIR, New Delhi	Rs. 1.16 Lakhs

Infrastructure Facilities: Two research laboratories were constructed.

Research Projects:

a. *Ongoing:* 6

b. *New*

Dr. A. Chatterjee, "Loss of Heterozygosity on Specific Chromosomal Arms and Identification of Sister-chromatid Separation in Oral Carcinoma Induced by Raw Betel Nut in Meghalaya". Rs. 14.0 Lakhs, DBT, New Delhi.

c. *Completed:* 2 (UGC-COSIST; UGC)

18. Academic / Professional Collaboration:

Prof. V. Tandon collaborated with and provided counseling to Assam University, Silchar; DRDO, Tezpur and Regional Veterinary Laboratory at Khaling (Bhutan) in on-going research work of their scholars/ scientific staff.

Prof. B. K. Sharma undertook work on Biodiversity of Zooplankton in Flood-Plain Lakes of Assam in Collaboration with the Zoological Survey of India Kolkata/ Shillong.

Prof. B. B. P. Gupta worked in collaboration with HSD. R. Spessert, Department of Anatomy, J. G.-University of Mainz, Mainz, Germany on the Mechanism of Adrenergic Signal Transduction and Photoperiodic Memory in Rat Pineal.

Dr. A. Chatterjee worked in the field of Molecular Genetics in collaboration with Prof. F. Palitti of Universita degli Studi della Tuscia, Italy on the project entitled "Role of DNA-repair and Chromosomal Aberrations in Apoptosis".

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Honours/Awards/Recognition:

Prof. B. B. P. Gupta was awarded Fellowship of the National Academy of Sciences (Allahabad), India (F.N.A.Sc.) for his significant contribution to the field of Zoological Science.

Prof. N. Saha was elected Fellow of the Zoological Society (FZS), Kolkata.

Other Activities: The department organized a series of lectures on 16th and 17th March, 2005 under COSIST and DRS-III programmes in which Prof. P. Nath, Department of Zoology, Visva Bharati University, Prof. U. C. Goswami, Department of Zoology, Gauhati University, Prof. H. S. Patil, Department of Zoology, Karnatak University and Prof. L. Kannan, Department of Zoology, Annamalai University delivered lectures entitled "Melatonin: The Signal for Fish Reproduction", "Biosynthesis of Vitamin A in Fresh Water Fish", "Formation and Development of Immune Cells" and "Impact of Tsunami on Marine Life", respectively.

Dr. S. Choudhury and Dr. S. R. Hajong attended the UGC-sponsored "29th Refresher Course in Zoology", held from 22nd November to 15th December 2004 at the Department of Zoology, NEHU, Shillong.

V

SCHOOL OF PHYSICAL SCIENCES

The School of Physical Sciences comprises the departments of Chemistry, Mathematics, Physics, and the Centre for Applied Statistics. There are 40 faculty members and approximately 115 new students are admitted each year. This provides an ideal faculty to student ratio for the pursuit of teaching, and fosters meaningful interactions between students and teachers. Each department in the School has a good library, well equipped laboratories, computer networking and internet facilities. The component of Project Work in the final semester of the M.Sc. programmes has been beneficial to our students, in providing them with basic training to develop research methodology and also an insight into the research programmes being pursued by the departments. Each department has its own identified thrust areas of research, which also encompass areas of inter-disciplinary nature, thus contributing to extensive academic collaboration of our faculty with national and international institutions. An important feature of the academic programmes includes the visits by faculty members from various institutions for giving lectures and for research interaction. The research output of the faculty has been substantial, and this has resulted in the recognition of the departments through Special Assistance Programme (DSA) of the UGC, and by DST (FIST), as well as individual faculty research projects funded by UGC, DST, CSIR, NEC and NBHM. The research work has been published in international journals of high repute, and the faculty members have been regularly invited to speak at important national and international conferences. In addition to teaching and research at the M.Sc., M.Phil. and Ph.D levels, the School also provides P.G. diploma courses in Applied Statistics, conducts Refresher Courses for university and college teachers, organize study tours for our students to visit research institutions, and impart training to college and school students in preparation for the Mathematics Olympiad at the regional and national levels.

DEPARTMENT OF CHEMISTRY

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Thrust Areas of Research: Chemical Dynamics, Chemistry of Surfactants, Theoretical Reaction Kinetics, Dynamics of Excited States, Photocatalysis, Natural Products, Heterocyclic Chemistry, Theoretical Organic Chemistry, Coordination Chemistry, Organometallic Chemistry.

Brief Statement of Academic Activities: 32 M.Sc. and 9 Ph.D. students were admitted to the department during the year under report. 2 students were awarded Ph.D. degree. 1 student qualified CSIR/UGC NET examination whereas two qualified CSIR/UGC NET Lecturership examination. The UGC has continued its support to the department under the SAP-DSA programme during this year. There are individual research schemes funded by agencies such as DST, NEC, UGC and CSIR.

Head: Professor R.K. Poddar

Faculty:

Professors : M.K. Mahanti, M.Sc. (Madr.), Ph.D. (Berh.)
K. Ismail, M.Sc. Ph.D. (AMU)
R.K. Poddar, M.Sc., Ph.D. (IIT Kanpur)
B. Myrboh, M.Sc., Ph.D. (NEHU)
R.H. Duncan Lyngdoh, M.Sc. (NEHU), Ph.D. (IIT Madr.)
R.A. Lal, M.Sc., Ph.D. (BHU)

Readers : A. Lemtur, M.Sc., Ph.D. (NEHU)
K. Mohan Rao, M.Sc. (S.V), Ph.D. (IIT Kanpur)
A.K. Chandra. M.Sc., Ph.D. (Burdwan)

Lecturers : S. Aravamudhan, M.Sc. (S.V), Ph.D. (IIT Kanpur)
T.S.B.Baul, M.Sc. (Jabalpur), Ph.D. (N. Bengal)
R.L. Nongkhlaw, M.Sc., Ph.D. (NEHU)
E.K. Rymmai, M.Sc. (NEHU)
D.P.S. Negi, M.Sc. (Roorkee), Ph.D. (IIT Roorkee)
S. Mitra, M.Sc. (Vidyasagar), Ph.D. (IACS, Jadavpur)

School of Physical Sciences

Visiting Professors/Fellows/Scholars in the Department:

- (i) Prof. H.S.P. Rao, Department of Chemistry, Pondicherry University, Pondicherry visited the department on 10th May 2004 and gave a lecture on "Green Chemical approaches towards Heterocycles and Carbocycle Synthesis".
- (ii) Dr. R.K. Roy, Department of Chemistry, BITS, Pilani visited the department on 23rd June 2004 and spoke on "Substitution Reactions of organic compounds: Studies of DFT-based Reactivity Descriptors".
- (iii) Prof. Sanjib Bagchi, Department of Chemistry, Burdwan University, Burdwan, visited the department on 16 July 2004 and gave a seminar on "Thermodynamics Revisited".
- (iv) Prof. Dulal C. Ghosh, Department of Chemistry, University of Kalyani, Kalyani visited the Department on 8th December 2004 and gave a lecture on "A new scale of electronegativity based on absolute radii of atoms".

Student Intake:

a) Enrolment capacity: M.Sc.: 32

b) Actual Admission:

	SC/ST	Gen	Male/Female	Total	From Meghalaya/outside
M.Sc.:	01	25	06 / 17	15	27 / 05
Ph.D.:	03	06	08 / 01	09	06 / 03

Degrees Awarded:

	ST	Gen	Male	Female	Total
(a) M.Sc.:	21	08	17	12	29

(b) Ph.D.:

1. Mr. Hauzachin Suante, "Kinetic Studies on the Oxidation of Carboxylic Acids by Quinolinium Dichromate". Supervisor: Professor M.K. Mahanti.

2. Mr. Peter G.S. Dkhar, "Theoretical Aspects of the Generation, Structure, Stability and Reactivity of Carbenes, Nitrenes And Arynes". Supervisor: Professor R.H.D. Lyngdoh.

Courses Conducted:

Semester I – Inorganic Chemistry-I, Organic Chemistry-I, Physical Chemistry-I, Quantum Chemistry, Laboratory Course in Physical Chemistry.

Semester II – Inorganic Chemistry-II, Organic Chemistry-II, Physical Chemistry-II, Chemical Binding and Molecular Spectroscopy, Laboratory Course in Organic Chemistry.

Semester III – Inorganic Chemistry-III, Organic Chemistry-III, Physical Chemistry-III, Applications of Spectroscopic Methods, Laboratory Course in Inorganic Chemistry.

Semester IV – Environmental Chemistry, Computer Programming in Chemistry, Elective Courses: Bioinorganic Chemistry, Organometallic Chemistry, Natural Products Chemistry, Liquid State Chemistry; Project work (Inorganic/Organic/Physical).

Study Tour/Field Trips of Students: The department organized a study tour for the M.Sc. students from 24th January to 7th February 2005. Dr. A.K. Chandra and Dr. S. Mitra led the tour. The team visited the Department of Chemistry, IIT, Madras, SAIF (IIT-Madras), Indian Institute of Science, and Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, and Chem Biotech Research International, Kolkata.

Seminars/Conferences/Symposia/Extension Programmes, etc.

Attended:

Dr. A.K. Chandra gave an Invited Talk at the Theoretical Chemistry Symposium-2004, held at BARC, Mumbai on 9-12 December 2004.

Dr. K.M. Rao attended the 7th CRSI National Symposium in Chemistry (February 4-6, 2005) at the Department of Chemistry, Indian Association for the Cultivation of Science, Kolkata and presented a paper entitled "Syntheses and Characterization of $[(h-C_6Me_6)_2 Ru (\mu-N_3)(X)]_2$ ($X=N_3$ and Cl) Complexes and Their Reactions Towards Bidentate Ligands".

Prof. K. Ismail gave an Invited Lecture on "Adsorption and Micellization Parameters of Ionic Surfactants from Surface Tension and Conductance Study: Evaluation of the Available Models" at the International Conference on Soft Matter held on November 18-20, 2004 at Jadavpur University, Kolkata.

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Dr. S. Aravamudhan attended: (1) the 17th European Experimental NMR Conference and the 32nd Congress Ampere on Magnetic Resonance and Related phenomena, held at Lille, France, on September 6-11, 2004 and presented a poster entitled "Induced Fields and Demagnetization: Nuclear Shielding and Lineshapes in Solid State NMR"; (2) the XXI International Conference on Magnetic Resonance in Biological systems ICMRBS and the NMRS-2005 held between 16th and 21st January 2005 in Hyderabad and presented a poster entitled "Disentangling the Bulk Susceptibility Medium-Effects from the Molecular Local Chemical shift Changes in Heterogeneous Biological systems"; (3) National Symposium on "Recent Trends in Molecular and Medical Biophysics"- The IBS-2005 held on January 22-25, 2005 at the University of Pune and presented a poster entitled "Aromatic Ring Current Effects in (Macro-) Biomolecules: Prevailing Forms of Equations and the proposed Use of Tensor Form for the Shielding of Nuclei"; (4) the Regional Conference on Materials and Their Applications at the Department of Physics, Manipur University, Manipur held during February 18-19, 2005 and presented a paper entitled "Induced Fields in Magnetized Materials: Calculations and the Uses".

Publications:

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- Baul, T.S.B., K.S. Singh, X. Song, A. Zapta, G. Eng, A. Lycka, and A. Linden. 2004. Synthesis and Characterization of Tributyltin(IV) Complexes of 2-[(E)-2-(3-formyl-4-hydroxyphenyl)-1-diazenyl] Benzoic Acid and 4-[(E)-1-{2-hydroxy-5-[(E)-2-(2-carboxyphenyl)-1 diazenyl]phenyl}methylidene)amino]aryls. Crystal Structures of Polymeric $(\text{Bu}_3\text{Sn}[\text{O}_2\text{CC}_6\text{H}_4\{\text{N}=\text{N}(\text{C}_6\text{H}_3\text{-}4\text{-OH-}5\text{-CHO})\}\text{-}o])_n$ and $(\text{Bu}_3\text{Sn}[\text{O}_2\text{CC}_6\text{H}_4\{\text{N}=\text{N}(\text{C}_6\text{H}_3\text{-}4\text{-OH}(\text{C}(\text{H})=\text{NC}_6\text{H}_4\text{Cl-}4)\}\}\text{-}o])_n$. Toxicity Studies on the Second Instar of *Aedes Aegypti* Mosquito Larvae. *J. Organomet. Chem.*, 689: 4702-4711.
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- Baul, T.S.B., K.S. Singh, A. Lycka, M. Holcapek and A. Linden. 2005. Synthesis of a Cyclic Dinuclear Organotin Carboxylate via Simultaneous Debenzylation and Decarbonylation Reactions: X-ray Crystal Structure of $[(\text{PhCH}_2)_2\{\text{O}_2\text{CC}_6\text{H}_4\{\text{N}(\text{H})\text{-N}(\text{C}_6\text{H}_3\text{-4(=O)-5-O)\}\text{-o}\}\text{Sn}]_2$. *J. Organomet. Chem.*, 690: 1581-1587.
- Baul, T.S.B., W. Rynjah, E. Rivarola, C. Pettinari, and A. Linden. 2005. Synthesis and Characterization of the First Diorganotin(IV) Complexes Containing Mixed Arylazobenzoic Acids and Having Skew Trapezoidal Bipyramidal Geometry. *J. Organomet. Chem.*, 690: 1413-1421.
- Baul, T.S.B., W. Rynjah, R. Willem, I.V. Biesemans, M. Holcapek, D. De Vos, and A. Linden. 2004. Dibutyltin(IV) Complexes of the 5-[(E)-2-(Aryl)-1-diazenyl]-2-hydroxybenzoic Acid Ligand: An Investigation of Structures by X-ray Diffraction, Solution and Solid State Tin NMR, Electrospray Ionisation MS and Assessment of *In Vitro* Cytotoxicity. *J. Organomet. Chem.*, 689: 4691-4701.
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- Chaubey, G. S., B. Kharsyntiew and M.K. Mahanti. 2004. Oxidation of Substituted 2-furaldehydes by Quinolinium Dichromate: A Kinetic Study. *J. Phys. Org. Chem.*, 17: 83 - 87.
- Chaubey, G. S., H. Suante and M.K. Mahanti. 2004. Quinolinium Dichromate Oxidation of Aliphatic Aldehydes: A Kinetic Study. *Oxidation Communications*, 27: 614 - 622.
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- Govindaswamy, P., S.M. Mobin, C. Thone and K.M. Rao. 2005. Syntheses and Characterization of ζ^6 -hexamethylbenzeneruthenium(II)- η^2 -diketonato Complexes: Their Reactions with Mono- and Bidentate Neutral Ligands. *J. Organomet. Chem.*, 690: 1218-1225.
- Govindaswamy, P., Y.A. Mozharivskyj and K.M. Rao. 2004. New Neutral and Cationic ζ^6 -arene Ruthenium Complexes with Phosphine and Amine Ligands: Syntheses and Molecular Structures of $[(\zeta^6\text{-}p\text{-cymene})\text{Ru}(\text{NH}_2\text{CH}_2\text{C}_6\text{H}_5)_2\text{Cl}_2]$, $[(\zeta^6\text{-C}_6\text{Me}_6)\text{Ru}(\text{PPh}_2\text{Py})\text{Cl}_2]$ and $[(\zeta^6\text{-C}_6\text{Me}_6)\text{Ru}(\text{PPh}_2\text{Py})\text{Cl}]^+$. *Polyhedron*, 23: 3115-3123.
- Govindaswamy, P., Y.A. Mozharivskyj and K.M. Rao. 2004. Reactivity Studies of (η^6 -arene) Ruthenium Dimers Towards Pyrazoles: Isolation of Amidines, Bis Pyrazoles and Chloro Bridged Pyrazole Complexes. *Organomet. Chem.*, 689: 3265-3274.
- Govindaswamy, P., Y. A. Mozharivskyj and K.M. Rao. 2004. Synthesis and Characterization of Cyclopentadienylruthenium(II) Complexes Containing N,N'-donor Schiff Base Ligands. Crystal and Molecular Structure of $[(\eta^5\text{-C}_5\text{H}_5)\text{Ru}(\text{C}_5\text{H}_4\text{N}-2\text{-CH=N-C}_6\text{H}_4\text{-}p\text{-OCH}_3)(\text{PPh}_3)]\text{PF}_6$. *Polyhedron*, 23: 1567-1572.
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- Lyndem, A., T.S.B. Baul and C. Masharing. 2005. Chloro{*m*-2-[(*E*)-1-(2-oxido-3 ethylphenyl)ethylideneamino]acetate}pentaphenylditin(IV). *Acta Crystallogr.*, E61: m557-m559.
- Malhotra, A., P. Sarkhel, M. Das and R.K. Poddar. 2005. Synthesis and Characterization of Some Ruthenium(II) Complexes Containing Triphenylphosphine or

- Triphenylarsine with Imidazoles. *Ind. J. Chem.*, 44A: 303-306.
- Mitra, S., H. Ito and N. Tamai. 2004. Transient Behavior of 2-(2, 4, 6-dinitrobenzyl) Pyridine Photochromism Studied by Ultrafast Laser Spectroscopy. *Chem. Phys.*, 306: 185-189.
- Nam, P.-C., M.T. Nguyen and A.K. Chandra. 2004. Effect of Substituent on the P-H Bond Dissociation Enthalpies of Phenylphosphines and Proton Affinity of Phenylphosphine Anions. *Phys. Chem.*, A 108: 11362-11368.
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- Suante, H and M.K. Mahanti. 2004. Kinetics Features of the Quinolinium Dichromate Oxidation of Benzoic Acid. *Oxidation Communications*, 27: 854 - 860.
- Suante, H and M.K. Mahanti. 2004. Kinetics of Oxidation of Aliphatic Acids by Quinolinium Dichromate. *Oxidation Communications*, 27: 629 - 634.
- Suante, H, H. Lalmalsawmi, L. Chongthu and M.K. Mahanti. 2004. Oxidative Properties of Quinolinium Dichromate. *Kinetics and Catalysis*, 45: 649 - 654.
- Suante, H. and M.K. Mahanti. 2004. Kinetics of Oxidation of Formic and Oxalic Acids by Quinolinium Dichromate. *Oxidation Communications*, 27: 335 - 343.
- Suante, H. and M.K. Mahanti. 2004. Quinolinium Dichromate Oxidation of Crotonic Acid. *Oxidation Communications*, 27: 344 - 348.
- Zeegers-Huyskens Th. and A.K. Chandra. 2004. Theoretical Study of $(XYO\ddot{H}H\ddot{O}XY)^+$ (X, Y=H,F,Cl) Systems. From the Asymmetrical to Symmetrical $(O\ddot{H}H\ddot{O})^+$ Hydrogen Bonds. *J. Mol. Struct.*, 706: 75-80.

School of Physical Sciences

Funds Received from Agencies other than NEHU/UGC:

Sl. No.	Name of PI/Co-PIs	Title of the Project	Funding Agency	Amount
1.	Prof. K. Ismail	“Co-ion effect on Micellization of ionic surfactants” (2004-05)	DST	Rs.3.50 Lakhs
2.	Dr. S. Mitra	“Excited state properties and relaxation dynamics of intramolecularly hydrogen bonded azo-derivatives” (2004-05)	DST	Rs.9.12 Lakhs
3.	Department of Chemistry, NEHU	UGC-DSA SAP Programme (2004-05)	UGC	Rs.2.25 Lakhs

Infrastructure Facilities: One Perkin-Elmer Spectrum BX Spectrophotometer and one work-station have been acquired from UGC-DSA-SAP fund and installed.

Research Project :

(a) *Ongoing:*

(i) Synthesis, structure and reactivity of molybdenum(VI), molybdenum(IV) complexes derived from polyfunctional dihydrazones (Principal Investigator: Prof. R.A. Lal) sponsored by U.G.C., New Delhi.

(ii) Co-ion Effect on Micellization of Ionic Surfactants (Principal Investigator: Prof. K. Ismail) sponsored by the DST, New Delhi.

(iii) Shielding Parameters on Nuclei: Facilities for the Experimental Determination and Calculation by Theoretical Procedures – to obtain Information on Crystal Structures and Molecular Electronic Structures (Principal Investigator: Dr. S. Aravamudhan) sponsored by CSIR, New Delhi.

(iv) “Base-Line environmental studies in and around uranium mining area of

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Domiasiat" funded by DST-DAE (Co-investigator Prof. B. Myrboh).

(v) North-Eastern Biodiversity- An interdisciplinary Research Project extended for the X Plan period (Coordinator: Prof. B. Myrboh) sponsored by NEC, Shillong.

(b) New:

(i) Excited state properties and relaxation dynamics of intramolecularly hydrogen bonded azo-derivatives (Principal Investigator: Dr. S. Mitra). Sponsored by DST, New Delhi.

(c) Completed (during the year):

Synthesis and characterization of organotin carboxylates: Investigation of mutagenicity lists and antitumour bioassay with reference to an understanding of a structure/activity relationship (Principal Investigator: Dr. T.S.B. Baul) sponsored by DST, New Delhi.

Academic/Professional Collaborations:

(i) Dr. K.M. Rao has collaborative research related to single crystal X-ray diffraction studies with IIT (Bombay), The Pennsylvania State University (USA), University of Pennsylvania (USA), and Iowa State University of Science and Technology (USA).

(ii) Dr. T.S. Basu Baul has collaborative research related to single crystal X-ray diffraction studies pertaining to organotin complexes, with the University of Zurich (Switzerland), Harvard University (USA) and Technical University of Aachen (Germany).

(iii) A.K. Chandra has collaborative research work with the computational chemistry group in the University of Leuven, Belgium.

Other Activities:

Prof. K. Ismail visited the Department of Chemistry, Kalyani University, Kalyani, on invitation during March 22-23, 2004 and delivered lectures on Statistical Thermodynamics.

Prof. R.A. Lal visited the Department of Chemistry, Tripura University, Agartala on invitation in the month of July 2004 and delivered lectures on Molecular Symmetry and Group Theory to the M.Sc. students.

DEPARTMENT OF MATHEMATICS

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Email: mbrege@nehu.ac.in

Thrust Areas of Research: Algebra, Algebraic and Differential Topology, Cosmology, Number Theory, and Oceanography.

Brief Statement of Academic Activities: The department conducted M.Sc., M.Phil. and Pre-Ph.D. courses in Algebra, Analysis, Complex Function Theory, Differential Equations, Linear Algebra, Mechanics, Number Theory, Numerical Analysis and Computer Programming, Oceanography, Relativity and Cosmology and Topology. 2 students of the department cleared NET-JRF and 1 cleared NET-Lecturership. The faculty members of the department focus on original research of high quality rather than research output in terms of quantity.

Head: Professor M.B. Rege.

Faculty:

Professors : S.S. Khare, Ph.D. (Alld.)
M.B. Rege, Ph.D. (Bom)
S.K. Srivastava, Ph.D. (Gorakh.)
H.K. Mukherjee, Ph.D. (Alld.)
Readers : P.K. Saikia, Ph.D. (Wiscn)
C.R. Mondal, Ph.D. (V.B)
A.K. Das, Ph.D. (NEHU)
Lecturers : A.M. Buhphang, M.Sc. (NEHU)
A. Tiken Singh, M.Sc. (NEHU)
S. Dutta, Ph.D. (NEHU)
J. Choudhury, M.Sc. (Gau.)

Visiting Professors/Fellow/Scholars in the Department:

- (a) Prof. P.D. Srivastava (IIT Kharagpur)
- (b) Dr. Anindya Ghosh, (Surendranath College, Kolkata)
- (c) Prof. P. Jothilingam (University of Pondicherry)

- (d) Prof. B.L. Sharma (Allahabad University)
- (e) Dr. Arindam Sengupta (IIT Guwahati)
- (f) Prof. Somesh Bagchi (ISI Calcutta)
- (g) Prof. S. Bhatwdekar (TIFR Mumbai)

Student Intake: Enrolment capacity:

- (a) M.Sc. : 33
- (b) M. Phil. : unspecified
- (c) Ph.D. : unspecified

Actual Admission:

	SC/ST	Genl.	Male/Female	Total	From Meghalaya/Outside
M.Sc. -	25	8	29 4	33	26 7
M.Phil. -	3	2	5 -	5	5 -
Ph.D. -	-	1	1 -	1	- 1

Degree Awarded:

M.Sc.	SC/ST	Genl.	Male/Female	Total
-	6	3	8 1	9

M.Phil.

A. Tiken Singh, "A Survey of some application of Rational Homotopy Theory".
Supervisor: Professor H.K. Mukherjee.

Placement of Students: 5 students of the department got teaching jobs in different colleges of Shillong during the year.

Courses Conducted:

- (a) M.Sc. 1st Semester: Linear Algebra, A.M.E.S., Analysis I, Classical Mechanics, O.D.E.
- (b) M.Sc. 2nd Semester: Analysis II, Algebra I, Topology, P.D.E.
- (c) M.Sc. 3rd Semester: Computer Programming, C.F.T., Diff. Geometry, Topics in Algebra.
- (d) M.Sc. 4th Semester: E.N.T., C.N.A., Ring Theory, Algebraic Number Theory.

School of Physical Sciences

Seminars/Conferences:

Organised:

Prof. S.S. Khare, Secretary, NASI NER Local Chapter Shillong, organized a workshop on Mathematics for secondary and Higher Secondary teachers in Garo Hills from 29th March to 2nd April 2005, at NEHU Tura Campus. 27 Teachers from all parts of Garo Hills participated in the workshop. Prof. A.B. Raha from ISI, Kolkata, Dr. B.K. Sarma from IIT Guwahati, Dr. N.J. Dev from Shillong, Dr. B. Koikara, and Dr. D.P. Choudhury (St. Anthony's College, Shillong) were the Resource Persons.

Attended:

Prof. S.S. Khare (i) Delivered 5 lectures on 'Fractional Geometry and its applications' during the 5-day workshop on 'Fractal Geometry & Non-linear dynamical system' held in the University of Delhi from October 4th to 8th, 2004. (ii) Delivered the Valedictory Address as Chief Guest at the Winter School on 'Advances in Indigenous Dairy Products' held at Banaras Hindu University from 3rd to 24th December, 2004, and delivered a lecture entitled 'Statistical Analysis of Prospects of Milk & Indigenous Dairy Products in N.E. Region. (iii) Gave a talk on "Geometric approach to topology" on 22nd January, 2005 at Delhi University. (iv) Gave an invited talk on "Fractals everywhere" on 1st February 2005 in Gauhati University.

Prof. S.K. Srivastava visited IUCAA, Pune during October-November 2004 to participate in the discussion on 'Strings and Cosmology' and gave a talk on recent developments in this area.

Publications:

Mukherjee, H.K. 2004. "Classification of Homotopy Real Milnor Manifolds". *Topology and its applications*, 139: 151-184.

Fund Received from Agencies other than NEHU: NBHM Library Grant Rs.4.00 Lakhs.

Infrastructure Facilities: Computer Laboratory

Other Activities: Prof. M.B. Rege (i) Participated in a training camp for the selection of the Indian team for the International Mathematical Olympiad held from 12th May 2004 to 10th June 2004 at the Homi Bhabha Center for Science Education, Mumbai. (ii) Delivered a talk during the observance of 'Mathematics Day' on August 21st, 2004 at IIT, Guwahati.

DEPARTMENT OF PHYSICS

Telephone numbers : 0364-272 2801 (office)
0364-272 2815 (office)
0364-255 0289 (Res.)
email: *mparida@nehu.ac.in*
mparida@sancharnet.in

Thrust Areas of Research: Solid State Physics, High Energy Physics, Laser Physics and Nuclear Physics.

Brief Statement of Academic Activities: Apart from conducting M.Sc. and Ph.D. programmes, faculty members have been invited by reputed national and international institutions for research collaborations and giving talks on their research contributions. Some members have been offered associateships and senior associateships for collaborative research works. The department has been selected under DST-FIST since July 2001.

Head: Professor M.K. Parida

Faculty:

Professors: P. Shukla, M.Sc. (IIT, Delhi), Ph.D. (Temple)
K. Kumar, M.Sc. (Agra), Ph.D. (IIT Kanpur)
Y.S. Jain, M.Sc. (Agra), Ph.D. (IIT Kanpur)
P.N.Pandita, M.Sc.(Kashmir), Ph.D.(Kashmir)
D.T. Khathing M.Sc. (Delhi), D. Phil (Kolkata)*
M.K. Parida M.Sc.(Utkal), Ph.D.(Utkal)
B.M. Jyrwa, M.Sc./Ph.D. (NEHU)
P. Nongkynrih, M.Sc./ Ph.D. (NEHU)
R. Nathuram, M.Sc./Ph.D.(Bombay)
S. Kumar, M.Sc.(BHU), Ph.D.(Utkal)**

Reader: Dr. M.C. Mahato, M.Sc.(Ranchi), Ph.D.(Bangalore)

Lecturers: Dr. S.S. Pohlong, M.Sc./ Ph.D.(NEHU)

*On deputation as Registrar, NEHU, Shillong.

**On temporary attachment

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Visiting Professors/Fellows/Scholar:

- (i) Dr. Avijit Ganguly, Institute of Mathematical Sciences, Chennai visited the Department during March 29 – April 2, 2004 as speaker of Theoretical Physics Seminar Circuit of the Govt. of India and gave a lecture on “Cosmic Fire-Works by Neutrinos”
- (ii) Dr. Johannes Breuer, Technical University, Berlin visited the department on May 3-8, 2004 and gave a lecture on “Dynamics, Disorder and Death.”
- (iii) Professor N.D. Hari Dass, Institute of Mathematical Sciences, Chennai visited the department on June 28 - July 1, 2004 and gave a lecture on “Quantum State Transformation, Purifications and Entropy.”
- (iv) Dr. Ratnadeep Roy, Institute of Mathematical Sciences, Chennai visited the Department on July 30 – August 2, 2004 as speaker of Theoretical Physics Seminar Circuit, Govt. of India, and gave a lecture on “Response of Random Field Ising Model to an External Field.”
- (v) Prof. Rahul Basu, Institute of Mathematical Sciences, Chennai, visited the Department on Aug. 22 – 24, 2004 as speaker of Theoretical Physics Seminar Circuit, Govt. of India, and gave a lecture on “Three Quarks for Muster Mark (QCD Theory for Nonspecialists).”
- (vi) Dr. S. Ganeshan, Senior Scientist, BARC, Mumbai visited the department on May 26-28, 2004 and gave a lecture on “Basic aspects of Doppler effect as a prompt safety mechanism in nuclear reactors.”
- (vi) Dr. H. Dravid, Senior Scientist, BARC, Mumbai visited the department on May 26-28, 2004 and gave a lecture on “An Experimental Programme to study Neutron and Gamma Transport.”
- (vii) Prof. A. Khare, Institute of Physics, Bhubaneswar, visited the department on March 21, 2005 and gave a lecture on “Identities of Jacobi elliptic functions and exact solutions of discrete nonlinear equations.”

Students Intake:

(a) Enrolment Capacity (M.Sc.): 30

(b) Actual Admission:-

	SC	ST	Genl.	Male	Female	Total
M.Sc.(1 st Sem.)	1	25	4	20	10	30
Ph.D.	-	1	4	5	-	5

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	From NEHU	From outside NEHU	From Meghalaya	From outside Meghalaya
(Ist & Illrd Sem.)	50	7	50	7
Research Scholars	7	5	7	5
(c) No. of students awarded NET/GATE/SLET:-	4			

Degrees Awarded:

Ph.D:

(i) Sri B. Zoliana, "Formulation of Initial State Wave Functions for Photo emission Calculations". Supervisor: Prof. D.T. Khathing

Courses Conducted:

Classical Mechanics; Quantum Mechanics I; Mathematical Physics; Laboratory I; Electrodynamics. Electronics; Quantum Mechanics II, Laboratory II, Atomic & Molecular Physics; Solid State Physics; Nuclear Physics, Laboratory III, Thermal Physics, Experimental Technique, Many Body Theory; Environment; Optional Special papers on Solid State Physics, High Energy Physics, Laser Physics and Nuclear Physics.

Seminars/Conferences/Symposia/Extension Programmes:

Organised:

National Symposium on "Condensed Matter Days 2004", 25-27 August 2004 held at NEHU with Dr. M.C. Mahato as Convener, Dr. S.S. Pohlong as Co-convener and Dr. P. Shukla and Dr. Y.S. Jain as local organising committee members. Various recent activities in theoretical and experimental condensed matter physics were highlighted with 91 paper presentations covering different branches in the discipline.

Golden Jubilee DAE-BRNS Theme Meeting on "Use of Neutron Sources for Experiments Related to Nuclear Technology and Fuel Cycles", in collaboration with Bhabha Atomic Research Centre, Mumbai, 8-10 September 2004 held at NEHU with Dr. D.T. Khathing, Co-chairman, Organizing Committee, Dr. B.M. Jyrwa, Local Convener and Dr. P. Nongkynrih, Co-convener.

Dr. D.T. Khathing, Organising Secretary and Dr. P. Nongkynrih was one of the organisers of "Thirteenth National Symposium on Environment" held at NEHU,

School of Physical Sciences

5-7 June 2004 with the conclusion that stringent regulatory measures and practices for environmental protection are to be strictly adopted.

Dr. B.M. Jyrwa acted as chairperson in the NEHU Celebration of "National Science Day: A Celebration of Physics" on 28 February 2005.

Attended:

Dr. M.K. Parida delivered invited lectures on: (i) "Recent Developments in Neutrino Physics" at the International Year of Physics Workshop on "Einstein's Theories and Latest Trends in Physics" held at Tezpur University, Tezpur, 2-3 March 2005. (ii) "Low-energy supersymmetry vs. split-supersymmetry: phenomenology and grand unification", at the High Energy Physics Seminar, Institute of Mathematical Sciences, Chennai 27 January 2005. (iii) "Radiative magnification of neutrino mixings in split supersymmetry" at the High Energy Physics seminar, Institute of Physics, Bhubaneswar, 10 February 2005.

Dr. Y.S. Jain attended the National Symposium on "Condensed Matter Days 2004", 25-27 Aug. 2004, held at NEHU, gave an invited talk on "Unification of the Physics of bosonic and fermionic systems" and presented two papers: (i) "Macro-orbital theory for superconductivity" and (ii) "Ground state of system of N hard core quantum particles in 1-D box".

Dr. D.T. Khathing gave an invited talk on "Radiation Physics Research" and chaired a technical session at the International Conference on Accelerators and Radiation Physics Research held at Variable Cyclotron Centre, Kolkata, 28-30 March 2005.

Dr.P. Nongkynrih attended the Golden Jubilee DAE-BRNS Theme Meeting on "Use of Neutron Source for experiments related to nuclear technology and fuel cycles" 8-10 Sept., 2004, held at NEHU and presented a paper on "Experimental facilities (Nuclear Based) of Physics Department, NEHU, Shillong."

Dr. M.C. Mahato gave an invited talk on "Hysteresis loop area and energy dissipation on statistical physics" at the 22nd IUPAP International Conference on Statistical physics-disorder Complexity and Biology held at Banaras Hindu University, Varanasi 12-15 July, 2005.

Dr. S.S. Pohlong (i) Attended National Symposium on Condensed Matter Days (2004), gave an invited talk on "Vibrational density of states of self-interstitials in copper", and a paper on "Lattice dynamics of point defects in Molybdenum." (ii) Attended the Golden Jubilee, DAE-BRNS Theme Meeting, 8-10 Sept., held at NEHU,

Shillong and chaired a technical session.

Publications:

Jain, Y.S. 2004. "Wave Mechanics of Two Hard Core Quantum Particles in a 1-D Box". *Central European Journal of Physics*, 2: 709-719.

Krishnan, Raishma, Mahato, M.C. and Jayannavar, A.M. 2004. "Brownian Rectifiers in the Presence of Temporarily Asymmetric Unbiased Forces". *Physical Review*, E70: 021102-1 to 021102-6.

Mahato, M.C. 2004. "Mobility of a Forced Brownian Particle". *Indian Journal of Physics*, 78: 693-695.

Misra, R., Tripathy, S.P., Khathing, D.T. and Dwivedi, K.K. 2004. "An Extensive Indoor $^{222}\text{Rn}/^{220}\text{Rn}$ Monitoring in Shillong, India". *Radiation Protection Dosimetry*, 112(3): 429-433.

Mohapatra, R.N., Parida, M.K. and Rajasekaran, G. 2004. "Radiative Magnification of Mixing for Quasi-degenerate Neutrinos: Effects of Threshold Corrections". *Pramana*, 63:1397-1398.

Mohapatra, R.N., Parida, M.K. and Rajasekaran, G. 2005. "Threshold Effects on Quasidegenerate Neutrinos with High-scale Mixing Unification". *Physical Review*, D71: 057301-1 to 057301-4.

War, S.A. and Nongkynrih, P. 2004. "Assessment of Water Quality in and Around Uranium Mining Site of Domiasiat, West Khasi Hills, Meghalaya". In V.D. Puranik et al(ed.) Proceedings of the Thirteenth National Symposium on Environment, 221-223.

War, S.A. and Nongkynrih, P. 2004. "Nuclear Energy-an Inevitable Source of Energy". In Z. Husain and S.K. Barik (eds.), *Development and Environment*. New Delhi: Regency publications, 60-71.

Infrastructure Facilities: A new laboratory comprising 12 PCs was set up for IVth semester M.Sc.(Physics) on Computational Technique.

Research Projects:

Completed

DST-sponsored project on "Prospects of Fermion Masses and Mixings in Unified Theories" completed in May 2004. (PI: Dr. M.K. Parida).

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Academic and Professional Collaboration: The department continued to be the participating member in the North-Eastern Consortium of the Theoretical Physics Seminar Circuit, DST, Govt. of India, with M.K. Parida as Co-ordinating member from NEHU. The department agreed to collaborate with the North Eastern Space Application Centre (NESAC), Umiam on common areas of interest of faculty members and NESAC.

Other Activities:

Dr. R. Nathuram joined as Professor of Physics on 15th February 2005.

Dr. M.K. Parida visited the Institute of Mathematical Sciences, Chennai from 24.12.04 to 6.2.05 as Senior Associate and carried out research collaboration on Neutrino Physics.

Dr. D.T. Khathing acted as coordinator of Assessor's Training Programme held at NEHU on 16-17 July, 2004 and as Member, Peer Expert NAAC to assess a Central University in March 2005.

Dr. M.C. Mahato delivered lectures on "V-I characteristics of a modulated Josephson junction: An analogous study," under the Theoretical Physics Seminar Circuit programme of Govt. of India at Dept. of Physics, IIT, Roorkee on 24.12.04, at IIT, Kanpur on 4.1.05, at Institute of Physics, Bhubaneswar on 12.01.05, and at Goa University, Goa on 25.1.05.

CENTRE FOR APPLIED STATISTICS

Telephone No. : 0364-2228705 (O) / 0364-2550114 (R)

e-mail : gitasree@sancharnet.in.

Thrust Areas of Research: Statistical Inference, Design of Experiments, Sample Survey and Statistical Ecology.

Brief Statement of Academic Activities: Teaching 2 Semester PG Diploma Course in Statistics, Biometrics for M.Sc. students of Zoology, Research guidance to Ph.D. students.

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Head: Dr. G. Das

Faculty:

Readers : M.K. Das, M.Sc./Ph.D. (Dib.)
G. Das, M.Sc. (Delhi), Ph.D. (NEHU)
Lecturers : B.K. Gupt, M.Sc. (Alig. & Rohilkhand)

Student Intake:

Enrolment capacity: 20

Actual admission:	Diploma:	SC/ST	Genl.	Male/Female	Total
	19	1	11	9	20

Degrees Awarded:	Diploma:	SC/ST	Genl.	Male/Female	Total
	10	-	7	3	10

Courses Conducted:

I Semester: Mathematics and Descriptive Statistics, Computational Techniques & Elementary Probability Theory, Probability Distribution and Vital Statistics Methods, Economic Statistics and Indian Official Statistics, and practicals.

II Semester : Descriptive Statistics & Sampling Distribution, Statistical Methods, Sampling Techniques and Quality Control, Analysis of Variance and Experimental Design, and practicals. Biometrics (for M.Sc. IV Semester students of Zoology).

Publications:

Das, G. 2004. "Phenology and Culm Growth of *Bambusa Cacharensis* R. Majumdar in Barak Valley, Assam, North-East India". *Bamboo Science and Culture*, 18: 19-23.

Gupt, B.K. 2003. "Sample Size Allocation for Stratified Sampling Under a Correlated Superpopulation Model". *Metron*, 61: 35-52.

Research Projects:

Ongoing.

"Some Contributions to Survey Sampling Under Superpopulation Model." Principal Investigators: B.K. Gupt. Grant Rs. 35,000/-. Source: NEHU Unassigned grant

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under UGC minor research project.

“Application of Statistical Modelling on Management of Bamboo”. Principal Investigator: Dr. G. Das. Grant (2004-05): Rs.75,000/-. (Total grant Rs. 3, 68,400/-). Source: DST.

Other Activities:

Presentation of ongoing DST project report by Dr. G. Das at Madras University, Chennai, September 17-18, 2004.

Organised jointly with the Department of Mathematics an extension lecture on the topic ‘Integral transform and its applications in Statistics’ by Professor S.B. Nandi, Professor, Presidency College, Kolkata on 30th July 2003.

VI

SCHOOL OF SOCIAL SCIENCES

The School of Social Sciences consists of the departments of Sociology, History, Political Science and the Centre for Cultural and Creative Studies. Purely as an interim arrangement, the newly started Department of Law, admitting students for the first time in the session of 2005 for the integrated LL.B. Honours course, is also attached to the school. The school has been carrying out teaching and research activities for almost 30 years. While the former three departments run teaching programmes at the MA level, the Centre for Cultural and Creative Studies conducts Diploma Courses in Folklore, Music and Painting. The school has made progress in diverse research fields, addressed mainly various societal problems and empirical reality of North East India. During 2004-05, 10 research students, 6 in the Department of Sociology and 4 in the Department of History, have successfully completed their PhD work and were awarded the degree as such.

The overwhelming majority of the students in the school (Post-Graduate, Diploma, M.Phil and Ph.D) are Scheduled Tribes, and the number of girl students outweighs the number of boys. Both research and teaching programmes in the school address the diverse social needs and empirical realities of North East India and many of the ongoing and completed projects and PhD works have brought out useful information for policy makers in order to bring home the aims and objective(s) of the university. The departments of History and Sociology are under the Special Assistance Programme of the University Grants Commission. Some faculty members of the school are involved in national and international research collaborations, and have participated in different capacities in national and international seminars/workshops.

DEPARTMENT OF HISTORY

Telephone no: 2723019 (HOD) / 2723020 (Office) / 2221345 (Res.)
Email: syiemlieh@hotmail.com

Brief Introduction: The Department of History was established on 15th October 1974. Distinguished by an emphasis on the study of peoples and regions with particular reference to social, cultural and economic developments in North East India, the department's objectives are (1) to provide at the Master's level a broad knowledge of human history and particularly of the areas and themes of special concern to the department and modern approaches to its study through a suitably structured and balanced syllabus, and (2) to promote historical research in hitherto unexplored areas, especially in North Eastern region through the PhD programmes and faculty members' research.

The department's major achievements have been in the areas of syllabi innovation and promotion of North East India studies. New grounds have been broken in regional history and in the history of the bordering areas of countries. Through the researches of its faculty, its PhD programmes and through the North East India History Association which it helped to establish, and nurture since its foundation in 1979, the department has played a crucial role in laying the foundation of regional studies in the region. It is now recognized as the leading centre for historical studies of North Eastern region. In 1994 it was brought under Special Assistance Programme (DRS) of the UGC with North East India Studies as the thrust area and in 2001-02 the programme has been renewed by the UGC for another five years (till 2005-2006).

Thrust Area of Research: The thrust area of research of the Department of History is North East India. This thrust is reflected in the research of the faculty, the research at the PhD level and several courses offered at the Master's level.

Head: Professor David R Syiemlieh

Faculty:

Professors

J.B.Bhattacharjee, M.A/Ph.D(Gau),

Imdad Hussain, M.A/Ph.D (Gau).

Specialization

Modern India & Modern Northeast

Modern India & Modern North East

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D.R. Syiemlieh, M.A/Ph.D (NEHU).
M. Momin, M.A/Ph.D (JNU).
M. Sharma, M.A(Gau) Ph.D (NEHU).
F.A. Qadri, M.A/Ph.D (Alig).

Modern India & Modern North East
Ancient India & Ancient North East
Modern India & Modern North East
North-East India & Medieval India

Lecturers:

V.R. Rengsi, M.A/Ph.D (NEHU).
C. Mawlong, M.A/Ph.D (NEHU).
A.N. Passah, M.A/M.Phil (NEHU).
T. Gurung Nag, M.A/Ph.D (NEHU).
Md. S.N. Rahman, M.A/Ph.D (Cal).

History of Sciences
Archaeology
South East Asia & North East India
Modern India & North East India
Medieval India

Student Intake:

a) Enrolment Capacity : M.A = 50

Ph.D -varies from year to year

b) Actual Admission M.A:

SC/ST 48

GEN. nil

Male 21

Female 27

Total 48

Meghalaya 34

Outside Meghalaya 14

c) Actual Admission Ph.D.

SC/ST 8

Gen. -

Male 4

Female 4

Total 8

Meghalaya 3

Outside Meghalaya 5

Number of Students Qualifying NET: 2004:1

Degrees Awarded:

Ph.D

S. Brahma, "Religion of the Boros and their Socio-Cultural Transition". Supervisor: Professor. F. A Qadri.

Placement of Students in Various Services: Several students have found service in Higher Secondary schools, and some have entered the central and state services, banks and other professions.

School of Social Sciences

Course Conducted:

MA Programme

1st and 2nd Semesters: Historical Methods, Pre-Historic to Ancient Societies, Society and Economy in Ancient/Medieval/Modern India, Feudalism, Capitalism and Imperialism, Ancient Indian Polity & Society, Colonialism Imperialism & Economy Change, History of Graeco-Roman Civilization, Modern Japan.

3rd and 4th Semesters: Social & State Formation, Religion & Society in Ancient India, Indian Nationalism, The Chaleolithic Age in India, Neolithic & Megalithic Culture of N.E. India, Peasant Movement in Modern India, Dimensional & Directional Trends of the Indian Nation Movement, British Policy in N.E. India, Religion & Society in Ancient India, Introduction to Archaeology, Economic History of Modern India, Indian Nationalism, Ancient Indian Art & Architecture, Agrarian Unrest in Medieval India, History of Ideas, Frontier & Foreign Policy, Modern U.S.A, History of Sciences.

Study Tour:

Name of the teacher in charge: Dr. Md. S.N. Rahman.

Places of visit: Puri and Kolkata

Duration and purpose of visit: 27th January to 7 February 2005. The study tour was intended to familiarize the students with places of historical interest in Puri and Kolkata.

Seminar/Conferences:

Organised.

The department organised a workshop on BA Honours and Pass Syllabus for college teachers on 29-30 November 2004. The objective of the workshop was to familiarise the college teachers with the revised BA Honours and Pass Syllabus approved by the NEHU Academic Council in December 2003 and implemented in 2005. 32 teachers attended the workshop, which had inputs from the faculty and senior college teachers.

Attended:

J.B. Bhattacharjee: (i) "*Krishnamala: An Eighteenth Century Chronicle of Tripura*", presented at the 25th Session of NEIHA, Shillong, October 26-28, 2004. (ii) "A Missionary Account of the Great Earthquake of 1897 in Northeast India", pre-

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sented at the 65th session of the Indian History Congress, Bareilly, December 28-30, 2004. (iii) "Impact of the Partition of Bengal and Swadeshi on Assam" presented at the national seminar organized by Loreto College, Kolkata and Birla Museum, Kolkata to commemorate the centenary of the Swadeshi Movement, Kolkata, January 28-30, 2005.

Imdad Hussain attended the seminar on "Security in South Asia: Changing Perspective" organized by the ICSSR-NERC, on 4th May 2004, at NEHU, and presented paper on "Security and Development in India's North East".

D.R. Syiemlieh: (i) Attended the 25th Annual Session of the North East India History Association, North-Eastern Hill University, Shillong, 28-30 October 2004 and presented a paper, "The Bengalese: A Mission Magazine". (ii) Attended the 18th Conference of the International Association of Historians of Asia, Academia Sinica, Taipei, Taiwan, 6-10 December 2004 and presented a paper, "Regionalism in India: Traditional Institutions of Governance in North East India." (iii) Coordinated on behalf of the University the DONER sponsored workshop on "Capacity Building for Members of the Autonomous District Councils of Meghalaya", and delivered lectures on "History: Preservation and Retrieval of Records," at the HQ of the Autonomous District Councils at Shillong, 3 September, 2004, Jowai, 10 September 2004 and Tura, 13 October 2004.

M.Momin: (i) "Narration and Explanation: A Note on Historical Method," presented at the 25th Session of the North East India History Association, Shillong, 28th – 30th October, 2004. (ii) "Evaluating Historical Research in North-East India: The Ancient Period," presented at the NEC-sponsored symposium on 25 years of Historical Research in North-East India, organized by NEIHA, Shillong, on 29th October, 2004.

M.Sharma: (i) International Workshop on Crisis States at India International Centre, New Delhi sponsored by DESTIN of London School of Economics and Politics and hosted by the DCRC, Delhi University from 13th to 17th December 2004 and presented a paper, "Tradition and Crisis or Crisis to Tradition?: Meghalaya and Mizoram at Crossroads". (co-author, A.K.Baruah). (ii) "Tribal Traditional Values and Liberal Democracy: A Study of Nongkynrih Dorbar" (Co- authors A.K.Baruah & Rajesh Dev) presented at the International Workshop on Crisis States at India International Centre, New Delhi sponsored by DESTIN of London School of Economics and Politics and hosted by the DCRC, Delhi University, 13th to 17th December 2004. (iii) Seminar on "Information Technology and Social Empowerment" organized by the Institute for Development and Communication, Chandigarh, September 12th-13th

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2004, and presented a paper "Information Technology and Empowerment of Women". (iv) "Insurgency and Gender relations in North East India" presented at the UGC-sponsored national seminar on Insurgency and its impact on North East India, organized by Kokrajhar College on 29th November, 2004. (v) "Gender Relations in the History of Rights" presented at the 25th Session of North East India History Association held at NEHU, Shillong, 28th – 30th October, 2004. (vi) Organized and Coordinated the Gender Panel on "Rice Cultivation and Gender in North East India", at the workshop organized by MSSRF, Chennai in partnership with ICAR, Umiam on Rice Heritage of the North-East: Challenges, Opportunities and Strategies for the Future, on the Occasion of the International Year of Rice, November 5th -6th, 2004.

F.A Qadri: (i) Gave a seminar on "Pre-Colonial North East India: A portrait from Persian Accounts," on the invitation of the Centre for Northeast India, South and Southeast Asia Studies at Omeo Kumar Das Institute of Social Change and Development, Guwahati on 19th April 2004. (ii) Attended the 25th session of North East India History Association held at Shillong, 28--30 October, 2004 and presented a paper on "Muhammad Bin Tughlaq's invasion of Kamarupa: Myth or Reality". (iii) "Progress of Historical Research in North East India: Pre-Colonial Period", presented at the symposium on 25 Years of Historical Research in NE India on the occasion of Silver Jubilee Session of NEIHA, Shillong 28-30 October 2004. (iv) Attended the 65th session of Indian History Congress at MJP Rohilkhand University, Bareilly, 28-30, December 2004 and presented a paper on "Indian Response to the Pantheistic Doctrine of Ibn al-Arabi". (v) Attended a symposium on "Persian Text and Indian Historiography", organized by Khuda Bakhsh Library, Patna at the MJP Rohilkhand University on the occasion of Indian History Congress 28-30 December 2004 and presented a paper on "Persian Text, Indian Historiography and the Chishti Saints of Bengal". (vi) Presented a paper on "Legend, Hagiographies and Sufism in Pre-Colonial North East India," at the national seminar on Popular Literature and Pre-Modern Societies in South Asia, organized by the Department of History, Punjab University, Chandigarh, 2-3 February 2005. (vii) Presented a paper on "Fayhiyah Ibriyah: A Mughal Imperial Account of North East India" at the national seminar organized by Khuda Bakhsh Library, Patna and ICHR, New Delhi on Medieval Historiography in India and Central Asia, at New Delhi, 28- 30, March 2005.

V.R.Rengsi presented a paper titled "The Nature of Chieftainship in Traditional Mizo Societies" at the 25th Session of NEIHA, Shillong, October 28-30, 2004.

Cecile A. Mawlong presented a paper titled "Dating the Northeastern Neolithic

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Cultures: Problems and Prospects” at the Silver Jubilee Session of NEIHA, held on 28th – 30th October 2004. She also presented a paper “Trends and Status of Prehistoric Research in Northeast India” at a symposium held on 29th October in connection with the 25th Session of NEIHA.

A.N. Passah made a presentation on “The need for gender sensitization in Meghalaya” in the Gender Sensitisation Programme organized by Women’s Cell, NEHU, 26th March 2004. She also presented a paper titled “Primary Education in Khasi and Jaintia Hills – Role of Agencies in Shillong” at the Silver Jubilee Session of the North East India History Association, NEHU, 28th – 30th October 2004.

T. Gurung Nath presented a paper titled “Gurkha Recruitment in the coal mines of Assam” at the Silver Jubilee Session of the NEIHA, 28-30 October 2004.

Md. S.N. Rahman: “Importance of Contemporary Bengali Vernacular Literature for the Historical Study of North Bengal”, presented at the ICHR sponsored international seminar on “Investigating History of North Bengal through the Ages”, organized by Pakuahat College, Malda, West Bengal, 8-10 April 2004.

Publications:

Published In India

- Bhattacharjee, J. B. 2004. “‘Shrenimala’: A Source of the History of Tripura”. *Proceedings of the North East India History Association*, Shillong, 104-107.
- Bhattacharjee, J. B. 2005. “Understanding Conflicts: Towards Resolution”. In Imdad Hussain (ed.), *The Guwahati Declaration and the Road to Peace in Assam*. New Delhi: Akansha Publishing House, 18-31.
- Hussain, Imdad, Edited with Introduction. 2005. *The Guwahati Declaration and the Road to Peace in Assam*. New Delhi: Akansha Publications.
- Hussain, Imdad. 2005. *From Residency to Raj Bhavan: A History of the Shillong Government House*. New Delhi: Regency Publications.
- Momin, M. 2003. “Generalization in Constructing Histories of North-East India.” *Proceedings of NEIHA*, 24th Session, Shillong, 32-42.
- Qadri, F. A. 2004. “The Legend of Shah Isma’il Ghazi”. *Proceedings, North East India History Association*, 24th Session, Shillong, 100-103.
- Qadri, F. A. 2005. “Indian Response to the Pantheistic Doctrine of Ibn - al- Arabi”, *Tribe Culture, Art: Essays in Honour of Professor Sujata Miri*. Edited by

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Vanlalnghak and Siby K. George. Guwahati, DVS Publishers, 160-173.

Qadri, F.A. 2004. *Pre-Colonial North East India: A Portrait from Persian Accounts* (Monograph). Guwahati: Omeo Kumar Das Institute of Social Change and Development.

Sharma, Manorama. 2004. "Gender History and Peasant Struggles in Assam: A Historiographical Enquiry". *Proceedings of North East India History Association*, 24th Session, Shillong, 329-339.

Sharma, Manorama. 2005. "Critically Assessing Traditions: The Case of Meghalaya", Working Paper No.53, www.Crisisstates.com/Publications/WP/Working.htm

Syiemlieh, D. R. 2003. "The Federation of Khasi States: A Study of Three Phases of its History". *Proceedings of the North East India History Association*, Twenty-fourth Session, Guwahati, 380-388.

Syiemlieh, D. R. 2004. "Education and Tribal Societies in North East". L. Stanislaus (ed), *Education as Mission*. Pune: Ishvani Kendra/ISPCK, 112-133.

Syiemlieh, D. R. 2005. "Christian Missions and Tribes in the Hills of North East India". In T B Subba and Sujit Som (ed.), *Between Ethnography and Fiction: Verrier Elwin and the Tribal Question in India*. New Delhi: Orient Longman, 147-156.

Funds: Research for the Department is largely funded by the SAP/DRS.

Infrastructure Facilities Acquired: The department was provided classroom chairs and other furniture by the University.

Research Projects: Faculty members of the department under the SAP/DRS programme are preparing their reports for the fifth year of the project.

Honour/Awarded/Recognition: Prof. David R. Syiemlieh was nominated as Council Member of the Indian Council of Historical Research, New Delhi, for a three year term w.e.f. 23 March 2005.

Other Activities:

D. R. Syiemlieh delivered the Third Foundation Day Lecture titled "Disappeared and Integrated: Indo-Portuguese Settlements in North East India," at the North East Regional Centre, Indian Council of Historical Research, Gauhati Univer-

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sity, on 27th August 2004.

Prof. Manorama Sharma delivered a lecture on "Gender and Matriliney in North East India" at the University of Hyderabad on 10th February 2005. Prof. Sharma delivered the Manoj Chakravarty Memorial Lecture at Goalpara College on 27th January 2005. She also delivered lectures at the UGC sponsored Refresher Courses for college teachers of History and English at Gauhati University on 22-24 December 2004 and 3-4 February 2005.

Prof. F. A. Qadri delivered lectures in the UGC sponsored Refresher Courses for university and college teachers at the Department of History, Dibrugarh University, on August 8-10, 2004; Department of History, DDU Gorakhpur University, on March 10-12, 2005 and the Department of History, Manipur University, March 16-18, 2005.

Dr. Tejimala G. Nag attended the 22nd Refresher Course in History held at the Academic Staff College, JNU, New Delhi, September 20 - October 15, 2004.

DEPARTMENT OF POLITICAL SCIENCE

Telephone numbers : 2723036, 2723038, 2723035, 2723023 (O)
2551520 (R)

Thrust Area of Research: Contemporary Issues in Indian Politics.

Brief Introduction: The Department of Political Science, established in 1975, aims at building an academic community of students, researchers and teachers devoted to an open, critical and analytical study of the discipline with an emphasis on the inter-disciplinary approach. It also aims at making courses and research work socially relevant and developing in the students an awareness of the basic issues and problems in the discipline so as to equip them intellectually to fulfill these needs.

With the strength of 12 faculty members, the department has 100 students on its roll at the M.A. level. The department also provides research facilities leading to M.Phil and Ph.D degrees.

School of Social Sciences

Head: Professor R L Walli

Faculty:

- Professors :** R.L. Walli, M.A./Ph.D. (JNU)
 A.K. Baruah, M.A./Ph.D. (Panj.)
 R. Borgohain, M.A./M.Phil.(JNU), Ph.D. (Gau.)
 L.S. Gassah, M.A./M.Phil./Ph.D. (NEHU)
 B.J. Deb, M.A./Ph.D. (Gau.)
- Readers :** E. Laitflang, M.A./Ph.D. (NEHU)
 H. Srikanth, M.A./M.Phil./Ph.D. (Hyd.)
 K. Debbarma, M.A./M.Phil./Ph.D. (NEHU)
 P. Malngiang, M.A./M.Phil./Ph.D. (NEHU)
 S. Sengupta, M.A./M.Phil./Ph.D. (NEHU)
- Lecturers :** T.T. Haokip, M.A./Ph.D. (NEHU)
 B.K. Mohapatra, M.A. (Delhi), M.Phil./Ph.D. (JNU)

Visiting Professors/Fellows/Scholars:

- (i) Mr. Eric Niche, the Netherlands, Ambassador to India delivered a lecture in the department on 4th March 2005.
- (ii) Prof. Subrata Mitra, University of Heidelberg, delivered a lecture in the department on 7th March 2005.

Student Intake:

Enrolment capacity:

Actual Admission		SC	ST	Gen	Male	Female	Total	From Meghalaya	From Outside
M.A.		Nil	49	1	28	22	50	30	20
Ph. D:	May 2004	Nil	13	Nil	7	5	13	4	9
	Oct. 2004	Nil	6	2	3	5	8	3	5

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Degrees Awarded:

	SC	ST	Gen	Male	Female	Result with-held
M.A.	Nil	31	1	20	12	4 nos.
Ph.D	Nil	Nil	Nil	Nil	Nil	

Courses Conducted:

M.A. Previous:

First Semester: Liberal Political Theory; Theory of International Politics; Major Concepts and Issues in Public Administration and Indian Political System.

Second Semester: Marxist Political Theory; Problems of International Politics; Comparative Politics and State Politics in India with special reference to North East Politics.

M.A. Final:

Third Semester : Contemporary Political Theory; Women and Political Theory; Democracy in India; Human Rights; Globalization; Administrative Theory; Foreign Policy of Major Powers; International Law & International Organization; South Asian Political Systems; Political Sociology; Political Ideologies and Modern Indian Political Ideas.

Fourth Semester : Major Debates in Political Theory; Issues in Women's Studies; Politics of Social Movements in India; Issues in Environmental Politics; Indian Political Economy; Development Administration; African Political Systems; West Asian Political Systems; Research Methodology; Government and Politics in North East India and Third World Political Theory.

Study Tour: Dr. B. K. Mohapatra along with the students went on a study tour to Bangalore and Goa from 10th January to 30th January 2005.

Seminars/Conferences/Symposia/Extension Programmes etc.

Organised:

B. J. Deb organised on behalf of the North East India Council for Social Sci-

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ence Research a national seminar on 'The Changing Power Structure in the Traditional Tribal Societies of North East India with special reference to the role of women, on 13-14 December 2004. The highlights of the seminar included: 'Impact of Modernisation and Development on Traditional Self-Governing Political Institutions', Draft National Policy on Tribals, Civil and Political Society, Women's Empowerment, Political role and participation of women and several micro-studies covering a number of tribal societies.

Attended:

A.K. Baruah (i) Presented a paper on "Regionalism in North East India" on October 16th 2004 at a national seminar on Regionalism in India at Netaji Nagar Day College, Kolkata. (ii) Presented a paper on "Tribal Traditions and Liberal Democracy with special reference to North East India" at the international workshop on Crisis States, organized by the London School of Economics and Political Science held in India International Centre, New Delhi on 13th-15th December 2004. (iii) Presented a paper on "Politics in a Tribal State" in the India Conference organized by Developing Countries Research Centre, Delhi University and LSE, London at IIC, New Delhi on 16th and 17th December 2004. (iv) Presented a paper on "Insurgency and Ethnicity in North East India" at Kokrajhar College at a national seminar on Insurgency and its Impact on North East India on 29th November 2004. (v) Presented a paper on "Regionalism in India with special reference to North-East India" at the Annual Conference of North East India History Association at NEHU, October 28th to 30th 2004. (vi) Presented a paper on "Information Technology and Social Empowerment" at a national seminar on 'I.T. and Social Empowerment' at the Institute for Development and Communication, Chandigarh on September 12th & 13th 2004.

L.S.Gassah (i) Attended the workshop on 'Capacity Building for Members of the Autonomous District Councils of Meghalaya' on 1st - 3rd September 2004 at Shillong and 8th - 10th September 2004 at Jowai. Presented a paper on "Constitutional Mandate under the Sixth Schedule of the Indian Constitution".

P. Malngiang (i) Chaired a session on 26th November 2004 and presented a paper on "Coalition Politics and Governance in Meghalaya" at a Seminar on 'Coalition Politics in India: The Crisis of Governability' organized by Synod College, Shillong at Dinam Hall on 27th November 2004. (ii) Presented a paper on "Student Movements and New Ideas in Meghalaya" at the national seminar on 'Intellectual Development on North East India', organized by the North Eastern Institute of Develop-

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ment Studies, Shillong at the Seminar Hall, Guest House, NEHU on 22nd March 2005. (iii) Presented a paper on "Constitutional Rights of Women and the SC/ST Women's Constitutional Protection" at the workshop on 'Gender Sensitization' organized by the Don Bosco Technical School, Shillong and NABARD at Don Bosco, Shillong on 29th March 2005.

Publications:

Published in India

Baruah, A. K. 2005. Ethnic Politics & the Need for Constitutional Protection in Contemporary Assam. *Proceedings of XIII Annual NEIPA Conference*, Silchar, 57-64.

Baruah, A. K. 2005. Roots of Conflict. In Imdad Hussain (ed.), *The Guwahati Declaration and the Road to Peace in Assam*. Delhi: Akansha, 32-57.

Baruah, A. K. et. al. 2005. *Criminal Justice Series 13, Meghalaya*. Kolkata: Allied Publishers.

Sengupta, Susmita. 2004. Nationalism and Regional Parties of Meghalaya. *The Indian Journal of Political Science*, 65(2): 199-218.

Sengupta, Susmita. 2005. *Regionalism in Meghalaya*. New Delhi: South Asian Publishers.

Srikanth, H. 2005. Discourses on Rights and India's Northeast. *Economic and Political Weekly*, January 22, 338-39.

Srikanth, H. 2005. Insurgency and Counter-Insurgency: Agenda for Peace in India's Northeast. In C. J. Thomas (ed.) *Polity and Economy: Agenda for Contemporary North East India*. New Delhi: Regency Publications.

Funds Received from Agencies other than NEHU (Source and Amount): From the Indian Council of Social Science Research, North Eastern Regional Centre, Shillong, Amount Rs.25,000/- by Prof. L. S. Gassah.

Research Projects:

Ongoing:

L.S. Gassah, "The Autonomous District Council in Khasi Hills: A Critical Analysis".

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Completed:

A.K. Baruah, Project on Criminal Justice in Meghalaya, sponsored by W.B. National University of Juridical Sciences in collaboration with NEIDS, Amount sanctioned Rs.70,000/-.

Other Activities:

A.K. Baruah delivered a special lecture on "Identity and Conflict in Manipur" at the Institute for Development and Communication, Chandigarh on 7th September 2004. He also delivered a lecture on "Identity and Community in North East India" at the Department of Sociology, Punjab University, Chandigarh on 9th September 2004 & attended a national seminar on "Rice and Food Security" on September 5th & 6th, 2004 at the M.S. Swaminathan Research Foundation, Chennai.

L.S. Gassah attended the Review Meeting Workshop on 'Capacity Building for Members of the Autonomous District Councils of Meghalaya' on 2nd December 2004 at Conference Hall, NEHU Administrative Building, Shillong & a seminar on "The Changing Power Structure in the Traditional Tribal Societies of N.E. India with Special Reference to the Role of Women, Tri-Decennial Celebration of NEICSSR, Shillong, 13-14 December 2004.

P. Malngiang chaired two sessions at the seminar on "Music for Peace and Harmony" organized by Mawjingtip Arts & Traditional Institute, Sohiong and NEC at the State Central Library Shillong on 8th & 9th February 2005.

DEPARTMENT OF SOCIOLOGY

Telephone number : 2723040 (O)

Thrust Area of Research: In conformity with the provisions of Article 4 of the NEHU Act, 1973 the department decided to adopt Social Change as its academic thrust.

Brief Introduction: The Department of Sociology began instructions at M. A., M.Phil., and Ph.D. levels in 1976. Besides teaching and supervising research the faculty engages in individual research activities as well. The department has been sanctioned DRS Phase – II under SAP by the UGC to further augment its academic activities.

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Head: Professor P. M. Chacko

Faculty:

Professors : M.N. Karna, MA./Ph.D. (Patna)
 C. Nunthara, MA./Ph.D. (Delhi)
 P.M. Chacko, M.A./Ph.D. (Delhi)
 Nikhlesh Kumar, MA (Delhi), Ph. D. (NEHU)
 C.L. Imchen, MA./Ph.D. (JNU)
 Tiplut Nongbri, MA./Ph.D. (Delhi)

Readers : I. Lanu Aier, M.A./Ph.D. (NEHU)
 A.K. Nongkynrih, MA./Ph.D. (NEHU)

Lecturers : B. Panda, MA./M.Phil.(Hyd), Ph.D. (IIT/ Kanpur)
 Rekha M. Shangpliang, M.A./M.Phil. (NEHU)

Student Intake: 46

Enrolment capacity: 45

Actual Admission	SC/ST	Genl.	Male/Female		From Meghalaya/Outside	
(a) MA	- 43	3	12	34	19	27
(b) M.Phil	- 05	-	03	02	02	03
(c) Ph.D.	- 06	01	03	04	04	03

Degrees Awarded:

Actual Admission	SC	ST	Gen	Male	Female	Total
MA	01	41	03	11	30	45

Ph. D.

Andrew H Vanlaldika, "Social Stratification among the Mizos". Supervisor: Professor P.M. Chacko.

M. Amarjeet Singh, "Youth Unemployment Problems: A Sociological Study of Educated Unemployed Youth of Imphal East and Imphal West Districts of Manipur". Supervisor: Professor C.L. Imchen.

School of Social Sciences

Courses Conducted:

FIRST SEMESTER

1. Sociological Theories I
2. Methodology of Social Research I
3. Sociology of Kinship
4. Social Stratification

SECOND SEMESTER

1. Sociological Theories II
2. Methodology of Socials Research II
3. Sociology of Religion
4. Agrarian Social Structure

THIRD SEMESTER

1. Economy and Society
2. Polity and Society
3. Sociology of Development
4. Ethnic Relations

FOURTH SEMESTER

1. Social Change
2. Entrepreneurship and Management
3. Sociology of Movement
4. Sociology of Environment

Seminars/Conferences/Symposia/Extension Programme, etc.:

Prof. C. Nunthara presented a paper titled "Peace and Conflict Situations in India as 'Frontier' Areas of North-East India" at a workshop on "State of Sociology: Issues of Relevance and Rigour" held at Suraj Kund, Haryana, on February 23-25, 2005. He chaired a session at the national seminar on "Intellectual Development on North-East India" at North-Eastern Hill University, Shillong, March 21-23, 2005.

Prof. P.M. Chacko presented a paper titled "Social Inequality among the Traditional Mizo Society" at the seminar on "Society and Culture in North-East India" organized by the Department of Sociology, North Bengal University, Siliguri, on December 7-8, 2004.

Prof. Nikhlesh Kumar presented a paper titled "North-East and India: A Socio-

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logical Divide” at the seminar on “Liberty and Society”, organized by the Centre for Civil Society, New Delhi held at North-Eastern Hill University, Shillong, September 26, 2004. “North-East India: An Overview” at the national seminar on “Transforming Hill Economy of North-East India: Emerging Challenges and Opportunities”, organized jointly by Arunachal University, Itanagar and the Institute for Human Development, New Delhi at Itanagar, on November 26-28, 2004.

Prof. C.L. Imchen presented a paper titled “Tribal People and the Social Consequences of Colonialism” at the national seminar on “Society and Culture in North-East India”, organized by the Department of Sociology, North Bengal University, Siliguri, on December 6-8, 2004.

Dr. I.L. Aier presented a paper titled “A Coalition of People of the North-East: A Query” at the seminar on “Coalition Politics in India: The Crisis of Governability” on November 26-27, 2004, organized by Synod College, Jaiaw, Shillong.

Publications:

Published in India

Chacko, P.M. 2005. *Tribal Communities and Social Change*. New Delhi: Sage.

Nongkynrih, A. K. 2004. A Sociological Analysis of North-Eastern Region Community Resource Management Project for Upland Areas. *Rural Development*, 24(1): 49-59.

Published Abroad

Nongkynrih, A. K. 2005. “A Case Study on Community Based Organisations of Jaintia Hills District, Meghalaya, India”. In N. R. Subedi (ed.) *Advocacy Strategy and Approaches*. Kathmandu: ICIMOD, 109-116.

Funds Received from Agencies other than NEHU: UGC, under DRS Scheme Phase II: Rs. 10,75,000/-

Research Projects:

(a) *Ongoing:* Evaluation of CAHD-DD Implementation in Tripura.

Other Activities:

Prof. Nikhlesh Kumar gave lectures in a course on Social Analysis at Sacred Heart College, Shillong in August 2004.

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Dr. A.K. Nongkynrih gave lectures in a course on Theology of Development at Sacred Heart Theological College, Shillong in February – March 2005. As the Community Development Extension Programme Co-ordinator, he conducted 72 short-term programmes on micro-credit and micro-enterprise, Common Property Resources Management, Village Level Planning and Implementation, Leadership and Community Development, Advocacy and Networking, Political Education, and Linkages with Government departments, Banks and other institutions.

Prof. M.N. Karna retired on 30 April, 2004 and Prof. P.M. Chacko retired on 31 March, 2005. Prof. Tiplut Nongbri resigned on 31 December 2004 to rejoin Jawaharlal Nehru University, New Delhi as Associate Professor of Sociology.

CENTRE FOR CULTURAL AND CREATIVE STUDIES

Telephone numbers : 2228712 (O) / 2548458
Email: desmond_kharmawphlang@hotmail.com

Thrust Areas of Research: Thrust areas of the centre are Folkloristics, Music and Painting.

Brief Statement of Academic Activities: The centre successfully ran three P.G. Diploma Courses in Music, Painting and Folklore and produced a number of students, some of whom have gone for specialization in Folkloristics in other universities and institutes. Some students from the Painting Course received teaching positions in educational institutions.

Ph.D. Programmes started in the centre since 2003. At present there are 9 scholars, 4 in Music and 5 in Folklore.

The centre organised an Audio-Visual-cum-Poster Session and Public Policy Forum on 31st March 2003 and 1st April 2004 where the students of PG Diploma in Folkloristics collected and displayed the materials generated from the field trips for public awareness.

On 15th June, 2004, the centre organised a Music Performance by the 1st batch students of the PG Diploma Course in Music and they demonstrated the

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songs, drum-beat techniques and the Indian Classical Music (vocal) they have learnt during the course.

A performance in Bharatnatyam was also presented by Ibapyntngen Syiem and Ingenuity Swer who are presently studying Bharatnatyam in Kalakshetra Foundation, Chennai.

An exhibition of Paintings, Enamel Works, Terracotta Sculpture and Graphic Prints done by the students of P.G. Diploma Course in Painting was held at the centre from 22nd to 26th June 2004.

The centre undertook a documentation of the Traditional Dances and Music of the Lyngngams in the Three-Day Programme organised by the Western Cultural and Social Welfare Organisation, Nongstoin held from 30th September to 2nd October 2004 at Maweit Village, West Khasi Hills District, Meghalaya.

The centre also organised a Ten-Day "Artist in Residence Programme" from 4th to 14th March 2005, in collaboration with the Rashtriya Lalit Kala Kendra, Kolkata. Mr. Ibochouba Yendrembam from Manipur was the Artist- in-Residence.

In collaboration with the National Book Trust, New Delhi, the centre organised a Two-Day Workshop on "North East Folk Tradition: Development of Reading Material" on 22nd and 23rd March 2005 at NEHU Permanent Campus, Shillong.

Head: Desmond L. Kharmawphlang.

Faculty:

Professor : Helen Giri, M.A., B.T., Ph.D. (Gau.)
Reader : Desmond L. Kharmawphlang, M.A. Ph.D. (NEHU)
Lecturers : Prabodh Jhingan, M.A., Ph.D. (JNU)
Mainul Haque Barbhuiya, B.Fine (V.B)
Lapynshai Syiem, M.A.(Gau.), B. Mus.(Bhatkhande),

Visiting Professors/Fellow/Scholars in the Centre.

For P.G. Diploma Course in Music

1. Shri Komik Khongjirem
2. Shri E. Shangpliang
3. Shri Wilnan Sangma

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For P.G. Diploma Course in Painting

1. Shri Bedanta Kalita.

Student Intake:

Enrolment capacity:

Actual Admission	SC	ST	Gen	Male	Female	From Meghalaya/ Outside
Diploma in						
Music (11)	10	1		6	5	10/1
Painting (4)	2	2		3	1	3/1
Folklore (6)	6	-		3	3	6/-
Total = 21						
Ph.D. (5)	5	-		1	4	3/2

Degrees Awarded:

Diploma in

Music 13 passed

Painting 6 passed

Folklore 7 passed

Courses Conducted:

1. P.G. Diploma in Music
2. P.G. Diploma in Painting
3. P.G. Diploma in Folkloristics

Study Tours/Field Trips of Students:

Prof. Helen Giri along with three Research Scholars from the centre undertook a field trip to Patharkhmah Village of the Western Ri-Bhoi District to make a study of the cultural dances displayed by troupes representing the different areas of the district.

On 27th November 2004 the students of the PG Diploma in Folkloristics were taken on a field trip to Kyllang, West Khasi Hills District for a topographical discourse on the area. Desmond L. Kharmawphlang was the teacher-in-charge.

On 11th February 2005 a one-day field trip to Wahkhen was undertaken for the PG Diploma students of Folkloristics and Music under the charge of Desmond L. Kharmawphlang. This was undertaken to witness the "Ksing Festival 2005" organised by the Sieng Riti Institute, Wahkhen.

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A three-day field trip to Garo Hills was undertaken from 11th to 13th March 2005 for the PG Diploma students of Music, Folkloristics and Painting to study the crafting of Garo Musical instruments, Garo Folk Wood-Carving and Garo Folklore. Mr. M.H. Barbhuiya was the teacher-in-charge. The two villages the team visited for the purpose of study were Salbalgre and Rongjem.

Seminars/Conferences/Symposia/Extension Programmes, etc

Attended

Desmond L. Kharmawphlang: (i) Presented a paper entitled "Fading Notes" at the 27th Session of the Indian Folklore Congress at Gauhati University on 31st January 2005. (ii) Participated as Resource Person in the workshop on Intellectual Property Rights with regard to Folklore, organized by the Department of Folklore Research, Gauhati University, 31st January – 2nd February, 2005. (iii) Presided over the seminar on Khasi Music organised by Mawjingtup Arts and Traditional Music Institute, Sohiong, 9 February 2005. (iv) Presented a paper entitled "Colonial Myth-Making and Folklore" at a national seminar on Media organised by the Central Institute of English and Foreign Languages, Shillong on 21 February 2005. (v) Presented a paper entitled "Tigerman to Tourism: Shifting Metaphor" at a seminar on "Folklore Studies: Folklore in North-East India: Theory and Practice" organised by the Department of English, NEHU, Shillong in collaboration with the United States Educational Foundation in India on March 11, 2005. (vi) Course Director in the two-day workshop on "North East Folk Tradition: Development of Reading Material" organised by the National Book Trust in collaboration with the Centre for Cultural and Creative Studies at NEHU, Shillong on 22nd and 23rd March 2005.

Prof. Helen Giri: (i) Attended the National Convention on Cultural Diversity organised by the Ministry of Culture, Government of India at Kolkata on 10th September 2004 as an Expert Member and Artiste from the North East Zone Cultural Centre. (ii) Presented a paper entitled "Traditional Music and Musical Expression in History" at a Seminar on Khasi Music organised by Mawjingtup Arts and Traditional Music Institute, Sohiong on 08.02.2005. (iii) Presented a paper entitled "Forms and Expression of Cultural Harmony: Case Study of Mizo Musical Instruments" in a Seminar on Khasi Music organised by Mawjingtup Arts and Traditional Music Institute, Sohiong on 09.02.2005. (iv) Prof. Helen Giri with her team from the Centre for Cultural and Creative Studies, NEHU, actively collaborated with the Sieng Riti Institute, Wakhken in organising the "Ksing Festival 2005" on 11th February, 2005, which was participated by 20 music organisations from Khasi and Jaintia Hills.

School of Social Sciences

Shri Mainul Haque Barbhuiya: (i) Exhibited six paintings in the XI Triennial India, International Exhibition of World Contemporary Art, held at New Delhi, Chennai and Hyderabad; January–February 2005, organised by Lalit Kala Akademi, New Delhi. (ii) Designed and installed three Ceramic Tiles and Italia-Chip Murals at NEHU Administrative Building, Shillong, 2005. (iii) Acted as Co-ordinator in Artist-in-Residence Programme organised by the Centre in collaboration with Rashtriya Lalit Kala Kendra, Kolkata at NEHU, Shillong from 4th to 14th March 2005.

Dr. (Mrs) Lapyunshai Syiem: (i) Gave lecture-cum-demonstration on Khasi Traditional Music in the Programme organised by Inter-cultural Resources, New Delhi, in collaboration with Khatarshnong Socio-Organisation, Cherrapunjee as part of the Indigeneous Perspective 2004 – India Programme where students from Boston University were the main participants, held at Earle Holiday Home, Shillong, 10th September 2004. (ii) Was a Resource Person for Folk Music at the workshop on “North-East Folk Tradition: Development of Reading Materials” organised by the National Book Trust, New Delhi in collaboration with Centre for Cultural and Creative Studies at NEHU, Shillong on 22nd and 23rd March 2005.

Publications:

Published in India

Syiem, L. 2005. *The Evolution of Khasi Music: A Study of the Classical Content*. New Delhi: Regency Publications.

Jhingan, P. 2004. *Reduplication in Khasi Language*. Shillong: NEHU Publications.

Infrastructure Facilities:

1. Modeling Studio along with Enamel Furnace and accessories for PG Diploma in Painting
2. Terracotta Furnace along with shade.
3. Class-room furniture for Folkloristics, Painting and Music classes and for Modeling Studios.

Research Projects:

Completed:

Prof. Helen Giri, Audio-Visual Documentation on “The Vanishing and Dying Art Forms of Mizoram”, sponsored by North-East Zone Cultural Centre, Dimapur.

Honours/Awards/Recognition: Shri Mainul H. Barbhuiya, Lecturer, was nominated

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by the Committee of Commissioners, Lalit Kala Akademi, New Delhi to represent India in the Prestigious XI Triennale India, an International Exhibition of World Contemporary Art held in New Delhi, Chennai and Hyderabad during January-February 2005.

Shri Prabodh Jhingan was awarded the Doctor of Philosophy degree by Jawaharlal Nehru University, New Delhi, on 15th February 2005 on the thesis titled "Information Transfer in a Bi-cultural Situation using Theatre as a System".

Other Activities:

Dr. Desmond L. Kharmawphlang was a Resource Person in the Refresher Course in the Department of Khasi, NEHU, Shillong on 17th and 18th November 2004.

Prof. Helen Giri gave four lectures at the Refresher Course in Khasi Department, NEHU, Shillong on 26th and 27th November 2005. The main theme was "Language and Literature in the Maintenance of Khasi Culture: A Study of the Khasi Traditional Musical Instruments – their Contribution towards the Maintenance of Khasi Culture". As a member of the Executive Board of the Sangeet Natak Akademi, New Delhi, Prof. Helen Giri recommended a number of music organisations/institutes etc. from different corners of Meghalaya to avail financial assistance/grants from the Sangeet Natak Akademi for imparting training in traditional music.

Dr. Prabodh Jhingan participated in the UGC sponsored Orientation Course on Information Technology conducted by the Academic Staff College from 22.11.2004 to 17.12.2004.

VII CENTRAL SERVICES

CENTRAL LIBRARY

During the year, the library made an important milestone by shifting to its new library building at NEHU Campus, Mawlai, Shillong. The building covers a total area of approximately 5625 sq.m, out of which 750 sq.m has been provided for reading purpose. Therefore adequate space is now available for library collection with sufficient reading facilities for users. The library has inter-link facilities for different sections, provides proper co-ordination and therefore improved service conditions to the users. The process of shifting started during September 2004 and was completed within the period under report. This included shifting of departmental libraries existing in the main campus. The other activities during the year are as follows:

Procurement of Books: Due to change in the syllabi of many departments, the library had to make special efforts towards timely procurement of text books and prescribed reading materials. A special drive was also made to procure Khasi books not available in the library or those available in limited copies. On the whole, 5673 books were procured for different departments of the University.

Processing of Books: Due to shifting of the library, the processing section suffered considerable time loss. However, 3905 books were processed out of a total of 5673 books received by the section.

E-Services to Readers: In addition to OPAC (Online Public Catalogue) important effort was made to provide free online journals through negotiations with subscription agents of which the following most important journals may be mentioned:

Free Online

1. Physical Review A – E (AIP)
2. Physical Review letters (AIP)
3. MathsNet (Ame Mathematical Soc)

From UGC – Infonet E-Journals

1. Biosis
2. Nature
3. Journals of American Institute of Physics

Other E-Services

1. Articles and Databases on North East India: This includes several bibliographic databases on contemporary issues on North East India using the Articles Indexing Module of the LIBSYS Ver, 4 package.
2. Search Services: Several requests from research scholars, students and teachers for literature searches on specific topics, including searches for the physical document, were also entertained in spite of severe time and manpower constraints.
3. Vernacular Newspaper Articles Indexing: With the view to assisting social science and humanities scholars of the University in particular, the work of indexing important articles from local newspapers published in the vernacular Khasi language was started. A separate database is being created specially for the newspaper articles.

Library Enrolment:

Sl. No.	Category	Fresh Enrolment during 2004-05.	Total Enrolment
1.	Post graduate Students	925	2099
2.	Research Scholars	111	909
3.	University Teachers	16	356
4.	Non-Teaching Staff	17	226
5.	Visiting Lecturer/Professor	1	9
6.	College Teachers	0	293
7.	Other Categories	8	14

Central Services

Statistical information and services rendered by the library during 2004-05 was as follows:

1. Books collected so far	227,511
2. Books added this year	5,673
3. Books processed	3,905
4. Journals subscribed	408 (Foreign=210, Indian=198)
5. No. of persons using and visiting the library	107,575
6. No. of books issued	346
7. No. of Xerox copies made	68,397
8. Revenue from reprography, overdue fine, etc.	490,411

Academic Achievement/Activities:

1. During the year, Shri Lalhmachhuana, Documentation Officer, received his PhD from the Department of Library and Information Science, NEHU, Shillong.
2. The Librarian, Mrs. I. Majaw, delivered two lectures in the Refresher Course held on the 10th and 11th March 2005 by the Library and Information Science Department.

LIBRARY (TURA)

The Tura Campus Library rendered services, during the year, not only to its faculty, staff, and students, but also to the neighbouring institutions of East, West and South Garo Hills. The preparation of database for the entire collection was completed by June 2004 and the library holdings were available on OPAC. During 2004-2005 the Campus Library registered outstanding progress in terms of collection, development and library automation.

(i) Allocation for Books and Journals (2004-2005) (Non-Plan) = Rs. 13.50 Lakhs

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(a) Books (Non-Plan)	-	5.50 Lakhs
(b) Furniture ,,	-	1.00 ,,
(c) Binding ,,	-	1.00 ,,
(d) Journal (Non-Plan)	-	6.00 ,,

(ii) **X Plan** **Rs. 8.00 Lakhs**

Number of Journals Subscribed = 156

(a) Indian Journals	-	103
(b) Foreign Journals	-	53

(i) **Book Collection as on 31.03.2005 -9063**

(a) Number of Books Purchased	-	8777
(b) Number of Books (Gifts)	-	286

(ii) **Books Added during the Year - 963**

(a) Purchased	-	900
(b) Gifts	-	63

Circulation Statistics: (Issue/Return of Books)

(a) Students	-	85 per day
(b) Faculty & staff	-	35 ,,

Library Consultation Statistics:-

(a) Reference Materials	-	70
(b) Books/Journals	-	110

No. of Registered Members:-

(a) Students	-	156
(b) Teachers	-	23
(c) Officer/Non-Teaching	-	28
(d) Research Scholars	-	6

Reprographic Services (34,203 Exposures) : During the year the Library provided 34,203 exposures to students, faculty members and other staff.

Activities by Library Staff:-

(i) The preparation of database of entire collection was completed by June

Central Services

2004 and the Library holdings were available on OPAC.

(ii) Shri Santosh Kumar, SPA, attended the ICSSR-NERC sponsored workshop on Data Base System Design and Development in collaboration with the Department of Library and Information Science, NEHU, Shillong on 6 -10 December 2004 in Shillong. He also attended the national workshop on Web Application to Libraries & Information Centres at the Department of Library & Information Science, Banaras Hindu University, Varanasi, from 2nd to 4th March 2005.

(iii) Dr. A.K. Kundu, Dy. Librarian, delivered 4 lectures on IT, Internet, Effective use of Library and Citation analysis in a UGC-sponsored Reference Course in the Department of Garo, NEHU, Tura Campus, during October- November 2004. He also led an excursion team of students to Delhi and Agra from 4th to 16th February 2005.

Publications

Kumar, Santosh. 2004. Automation of North-Eastern Hill University: A Case Study of Tura Campus Library. *ILA Bulletin*, 40 (3), July - September.

Kumar, Santosh. 2004. Role of Leadership in Effective Management of Library Information Centre. *Library Herald*, 42(4).

Mondal, A.K. and Kundu, A.K. 2005. Problem of College Library Development in Meghalaya. *IJILIS*, 18(1-2).

Kundu, A.K. 2004. Library in Higher Education. *IJILIS*, 17(3-4).

COMPUTER CENTRE

Telephone no. : 2210624

The centre provides computation facility to faculty members, research scholars and students of the university, develops and maintains software for the university and conducts training programmes in computer related subjects.

Brief Statement of Activities:

Research scholars and teachers/non-teachers from various departments/

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centres utilized the facilities of the centre for computational work, documentation and internet browsing. The centre conducted short-term computer courses in Visual Basic Programming, Webpage Designing, Windows & MS-Office.

Faculty members of the centre inspected colleges seeking affiliation, and have been subject experts in selection committees. They have also been actively involved in examination works of the university. The centre assisted Finance, Examination and Administration departments of NEHU in various computer matters. Mr. P.P. Dey maintained the software of the Finance Department and Mr. S. Ghosh was involved in the computerization of University Management System. Three Data Entry Operators of the centre were involved in the Examination Department's works.

The CIC, BCA and MCA computer courses of IGNOU were conducted at the centre during the weekends throughout the year.

Seminars/Conferences:

Dr. K.K. Singh participated in the national conference on Emerging Areas in Mathematical Sciences in the First Quarter of the Century, organized by the Indian Society of Mathematics and Mathematical Sciences, and held at Gorakhpur University on February 11-13, 2005.

Dr. S.N. Rai gave a talk on "Recent Studies on Elastic and Inelastic Processes during Collisions of Protons with Hydrocarbons" at the symposium on Computational Chemical Dynamics, organized by the Minnesota University Supercomputing Institute, Minneapolis, U.S.A., held on October 7-9, 2004.

Publications:

Singh, K.K. and Vishwakarma, J.P. 2004. Implosion of a Cylindrical Shock Wave in a Non-homogeneous Gas Under the Action of an Azimuthal Magnetic Field. *Indian Journal of Theoretical Physics*, 52: 161-177.

Suno, H., Rai, S.N., Liebermann H.-P., Buenker R.J. Kimura M., and Janev R.K. 2004. Elastic and Inelastic Processes in H^+CH_2 Collisions Below the 1.5-ke V Regime. *Phys. Rev.*, A70, 032703: 1-7.

Suzuki, R., Rai, S.N., Liebermann H.-P., Buenker R.J., Pichl L., and Kimura M. 2005. Elastic and Electron-capture Processes in $H^+C_2H_4$ Collisions Below the 10-ke V Regime. *Phys. Rev.*, A71, 032710: 1-10.

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Ambulance: Ambulance service was provided during emergency for transporting the severely ill patients from residence to Clinic/hospital and to carry medicines from Bijni Complex Health Centre to Permanent Campus and for replacement of expired medicines to the concerned suppliers.

Laboratory: Biochemical tests for blood and urine analysis were started in the Health Centre.

In-Patient treatment: Patients requiring in-patient treatment are referred to the Hospitals within and outside Shillong depending upon the necessity.

Credit Billing Facility: This was made available to patients admitted in Nazareth and K.J.P. hospitals in Shillong and C.M.C. Hospital in Vellore.

Voluntary Blood Donors: The Health Centre maintained a list of Voluntary Blood Donors from among NEHU community and arranged for Blood Donors for the needy among NEHU community as well as community outside of NEHU.

PUBLICATION CELL

The NEHU Publication Cell was created with a view to promoting and undertaking publications in various areas and for different target groups. It has mainly concerned itself with the publication of university and undergraduate textbooks, general books, supplementary reading materials, reference books, research works particularly those relating to the North-East, Endowment Lectures delivered in the university and official publications like the University Calendar, the Annual Report, NEHU News and the NEHU Journal. NEHU Publications also published six higher secondary textbooks as per a standing agreement with the Meghalaya Board of Higher Secondary School Education.

Apart from these, the cell is also functioning as the official printer of the University.

This is largely a self-financing unit and has developed out of a small investment made at the time of its establishment. The press for which there is a separate Press Revolving Fund is also largely self-financing. At present, the cell has been

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undertaking almost all printing jobs emanating from various departments and centres of the university. On the distribution front, besides opening a sale outlet at Tura Campus, it is also entering into contracts with major distributors in almost all university towns in the North-East and else where in the country.

Printing, reprinting and publication of the following works were taken up during the period under report:

1. *NEHU News* April – June 2004, July – September 2004 and October – December 2004, issues.
2. *The NEHU Journal* (January 2004, July 2004)
3. Abstract for the Botany Department with notepads
4. English Prose
5. English Verse
6. Dr. Jekyll and Mr. Hyde
7. A History of Modern World
8. Referral Pads for Health Centre
9. Five Garo Booklets for SRC, NEHU
10. Ten Mizo Booklets for SRC, NEHU
11. Prospectus and Admission Forms for 2004-05
12. Laboratory Safety Guidelines
13. 14th Convocation Programme, Address etc.
14. 30th Annual Report
15. UGC letter heads and Brochure
16. NEHU Calendar, Vol. I (The Act and Statutes)
17. Reduplication of Khasi Language
18. Printing items from various departments
19. Rivers and Cultures: Focus on Garo Hills
20. Agrarian Structures and Land Reforms in Assam
21. History of India (Up to 1565 AD)
22. Ethnography of Communication
23. B.Sc Syllabus

Sales during the year relating to these categories of books is as follows:

- | | |
|------------------|----------------|
| 1. Text Books | Rs. 2,62,149/- |
| 2. General Books | Rs 39,919/- |

The cell has been organizing some book releases and participating in several book fairs and exhibitions during the year. The highlight of the cell's achievement for

the year is the publication of some very important books including the rare manuscript relating to *The Great Earthquake of 1897* in the Khasi – Jaintia Hills by Reverend Robert Evans.

SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY

Telephone number: 91 364 2227283 / 91 364 2505685
Fax number: 91 364 2228213
E-mail: bmyrboh@nehu.ac.in
Postal Address: Sophisticated Analytical Instrumentation Facility
Bijni Complex, Bhagyakul, Laitumkhrach
Shillong – 793 003

Thrust Area:

SAIF provides analytical services, conducts training/workshops and also offers limited repair and maintenance services in computerized instrumentation and compressor based system.

Brief Statement of Academic Activities:

Dr. Sudip Dey, Scientific officer, SAIF took II Semester M.Sc. (NEHU) Biochemistry, theory classes on “Electron Microscopy: Principles, basic preparation methods and applications under the course “Biochemical techniques”. He was also a guest faculty in the Department of Biotechnology, Karimganj College, Assam where he delivered 10 lectures on Electron Microscopy and Spectroscopy with reference to biological applications in the month of July 2004.

Head: Professor B. Myrboh

Scientific Staff:

Professor : R. P. Bajpai, M. Sc. (Phys., AMU), Ph.D., (Theo. Nucl. Phys., Glasgow) (Temp. Attached)

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S.S.O	:	Dr. Taposh Chakraborty, Ph.D in Physics, NEHU
S.O	:	Dr. Sudip Dey, Ph.D in Zoology, NEHU
		Mrs. Begonia Dkhar, M.Sc in Zoology, NEHU
		Dr. Debashish Dey, Ph.D in Chemistry, Rani
		Durgabati University, Jabalpur
		Dr. P. S. Dkhar, Ph.D in Biophysics, NEHU
Lecturers	:	A. B. Chhetri, M.Sc. (Chemistry, Gau.) (Temp. Attached)
		Aseem Sinha, Ph.D. Chemistry, NEHU (Temp. Attached)
		B. Roy, Ph.D. Zoology, NEHU (Temp. Attached)

Seminars/Conferences/Symposia/Extension Programmes etc:

(a) Organised:

Organised a regional workshop on NMR Spectroscopy from 24-11-04 to 26-11-04.

(b) Attended:

- (i) Dr. Sudip Dey chaired a session at the XXVII Annual Meeting of Electron Microscope Society of India and conference on Electron Microscopy and allied fields held at the National Physical Laboratory, New Delhi in 2004. He was also an invited speaker on "Electron Microscopy in Applied Biology".
- (ii) Mrs. B Dkhar attended the annual conference of EMSI, NPL New Delhi in 2004.
- (iii) Dr. Sudip Dey and Mrs. B. Dkhar were deputed for the Electron Microscopy meeting organized by DST, at IIT, Mumbai in the year 2004.
- (iv) Dr. Debashish Dey and Mr. J. Binong were deputed for the Meeting of The NMR Scientists of SAIF at IISc., Bangalore on 29th July 2004, organized by the DST, Govt. of India.

Publications:

Chakraborty, R. 2004. Determination of Heavy Metals in Some Vegetables from the Northeast Region of India in Relation to Human Health. *Pollution Research*, 23(3): 549-554.

Dey, Sudip. 2005. Effect of Eupatorium Adenophorum Spreng Leaf Extracts on the

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- Mustard Aphid, *Lpaphis Erysimi* Kalt: A Scanning Electron Microscope Study. *Microsc. Res. Tech.*, 66(1): 31-36.
- Dkhar, B. 2004. Comparative Ultrastructural Studies on Tracheoles in the Midgut of Three Silkworm Species. *Sericologia*, 44(3): 283-91.
- Ghosh, D. 2004. Nutritive Value of Some Fishes Available in the Markets of North-east Indian City, Shillong with Reference to Certain Essential Elements. *J. Inland Fish. Soc. of India*, 36(1): 36-40.
- Kharbuli, S. 2004. Studies on Seasonal Changes in Water Quality and Anthropogenic Influence in Population Trend in the Natural Habitat of *Dni Aequipinnatus* with Reference to Greater Shillong. *Aquacult*, 5(2): 161-71.
- Kharbuli, S. 2004. Ovaprim Induced Spawning and Subsequent Development in an Aquarium Fish, *Danio Aequipinnatus*. *J. Inland Fish. Soc. of India*, 36(1): 58-82.

Funds Received from Agencies other than NEHU:

From Department of Science & Technology, New Delhi.

Non Plan: Rs. 17,00,370.00

Plan : Rs. 75,00,000.00

Infrastructure Facilities:

SAIF has the following facilities:

- i. Scanning Electron Microscope: (a) JEOL JSM 6360 (b) JEOL JSM 35CF
- ii. Transmission Electron Microscope JEOL JSM 100CX
- iii. FT-NMR, Bruker ACF – 300
- iv. Microscope with Image Analyser, LEICA
- v. CW NMR, Varian EM – 390 (90MHz)
- vi. Atomic Absorption Spectrometer, PE 3110
- vii. Graphite Furnace, AAS6 Vario EA
- viii. CHNOS Analyser, PE 2400
- ix. FT-IR, BOMEM DA – 8.02

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- x. ICP – AES, Labtam 8440M
- xi. UV-VIS-NIR Spectrometer, Varian CARY – 2390
- xii. Liquid Nitrogen Plant, Philips PLN 106.

Research Projects:

(a) Ongoing:

(i) "A Lab to Land Programme on Application of Structural Biological Studies to Non-Mulberry Silk Industry in Relation to Increased Silk Out-put".

Project Cost: Rs.10.02 Lakhs

Funding Agency: Govt. of India, Department of Development of North eastern Region. Northeastern Council Secretariat, Shillong.

(ii) Project entitled "Pollutant in Common Edibles with Reference to Human Health in Urban Meghalaya" funded by the Ministry of Environment and Forest under the supervision of Dr. Sudip Dey.

Project Cost: Rs.10.50 Lakhs

Funding Agency: Ministry of Environment and Forest, Govt. of India, Paryavaran Bhawan, New Delhi.

Honour/Award/Recognition:

Dr. Sudip Dey was elected President, Society of Biometrics, Econometrics and Ecology for the year 2004.

Other Activities:

A new Liquid Chromatograph-Mass (LC-MS) Spectrometer, Model: ZQ – 4000, manufactured by M/s Waters, USA, costing Rs.78,00,000.00 has been procured and is shortly being installed.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

Telephone numbers : 0364 - 2721161 (O) / 0364 - 2551335 (R)
Email : chimanee@sancharnet.in

Thrust Area: The thrust areas of the Centre are instrumentation applications, development and maintenance.

Brief Statement of Academic Activities: A two-week course on computers hardware and software was conducted for the technical staff of USIC. One technician from the Department of Physics also attended the same.

Head: Professor (Mrs.) P. V. Koparkar

Faculty:

Professors : P.V. Koparkar, M.Sc./Ph.D. (Physics), Nagpur University, Nagpur.

Lecturers : Atul Saxena, M.Sc./Ph.D (Physics)

: A. K. Das, M.Sc.(Physics) – IIT, Kharagpur. Ph.D. (Physics) –
Calcutta University, Calcutta.

Seminars/Conferences/Symposia /Extension Programmes etc.

Organized

1. National Science Day/Launching of year-long celebrations of World Year of Physics on 28th February 2005 was organized at NEHU Guest House on 28th February 2005.

2. On 14th March 2005, three lectures were organized at the Ramkrishna Mission Hall on Quinton Road, from 1100 to 1600 hrs. Also Karl Sagan's movie "Contact" was screened.

3. Prof. Koparkar participated as a Guest Speaker during the inaugural function and also delivered one lecture on "Photoelectric Effect" on 2nd March 2005 on the National Science Day celebrations organized by the Meghalaya State Council of Science, Technology and Environment.

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Research Projects:

New (Title of the project, principal investigators' name, amount of fund and source):

Title: "Fabrication of Digital Ionosonde"

Principal Investigator: Prof. P. V. Koparkar

Amount of Fund: Rs. 24 Lakhs

Source: Indian Space Research Organization (ISRO), Bangalore.

Honours /Awards/ Recognition:

Prof. (Mrs.) P.V. Koparkar has been appointed as the Honorary Regional Area Coordinator for the North East (including Sikkim) for the International Year of Physics-2005 celebrations, and also a member of the National coordination Committee set up by the Indian Physics Association, Mumbai.

VIII

DEVELOPMENT DEPARTMENTS

PLANNING DEPARTMENT

The Planning Department is concerned with economic and educational development of the university. The university is preparing a detailed proposal to set up a 'Faculty of Engineering/ Management' on the campus. It has already constituted a Sub-Committee to recommend establishment of a School of Technology in NEHU for imparting teaching from under-graduate to post graduate level as well as research in various branches of engineering and allied sciences.

The university has already received Project Proposal prepared by the Educational Consultant India Limited (Ed.CIL), New Delhi. Correspondence is on with the MHRD/UGC for its approval.

The university has proposed, under X Plan for establishment of an Institute of Mass Communication in NEHU. Correspondence has already started with the Ministry of Human Resource Development for approval and establishment of the department. In this regard the Ministry's approval is awaited.

The university is proposing to open a Department of Rehabilitation Sciences. Correspondence has started with the UGC for approval and establishment of the department in the university. A detailed proposal for funding, infrastructure and staff will be submitted to the UGC on receipt of the Commission's approval in principle.

CAMPUS DEVELOPMENT DEPARTMENT

The Campus Development Department is concerned with all works of construction and related services. The project report is as follows:

Development Departments

Under IX Plan (2/3rd Category):

Construction of 5 units of Non-teaching staff quarters

- i) Type-II : 3 units : Completed
- ii) Type-VI : 1 unit : Completed
- iii) Type-IV : 1 unit : Completed.

Under IX Plan (1/3rd Category):

1. Construction of 9 units of Non-teaching staff quarters :

- i) Type-II : 5 units : Completed
- ii) Type-IV : 3 units : Completed
- iii) Type-VI : 1 unit : Completed

2. Construction of 4 units of teaching staff quarters

- i) Warden's Residence: 1 unit : Completed
- ii) P-type : 3 units : Building completed, approach road in progress.

Under Non-Lapsable Pool (Phase-II):

- 1. 33 units of staff quarters for Kendriya Vidyalaya : Completed
- 2. Construction of additional space for Life Sciences (Phase II) : Completed
- 3. Construction of Academic Complex for 7 (seven) Deptts. : Completed

Under Non-Lapsable Pool (Phase-III):

- 1. Construction of Central Library Building (Phase II) : Completed
- 2. Construction of Academic Complex for (two) Deptts. : Completed

Under Non-Lapsable Pool (Phase-IV):

- 1. Construction of Boundary Wall (Phase IV) : In progress
(Remaining length of 2.9 kms.)
- 2. Construction of 12 (twelve) units of Non-Teaching staff quarters : 8 units completed
4 units in progress.

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3. Construction of Multiuse Convention Hall at Permanent Campus, NEHU, Shillong. : Work in progress

Under X Plan:

1. Construction of Academic Complex-IV for 2 (two Depts.) : Work in progress
2. Construction of Academic Complex (space for Assembly area). : Completed

COLLEGE DEVELOPMENT COUNCIL

The College Development Council of the university plays an important role in the establishment of colleges and makes all effort to ensure quality education in the institutions within the jurisdiction of the university.

During 2004-05 the council closely monitored the overall functioning of the affiliated colleges in the matters of granting provisional affiliation, permanent affiliation and also regarding opening of new courses/subjects in the deserving colleges in Pass and Honours.

New Course:

1. Ri-Bhoi College - B.Com. (Pass Course)
2. Shillong College - BBA, BA/B.Sc Course in Statistics (General)
3. Don Bosco College, Tura - BCA

Permanent Affiliation:

1. Tirot Sing Memorial College, Mairang, West Khasi Hills
2. Jaintia Eastern College, Khliehriat, Jaintia Hills
3. Ri-Bhoi College, Ri-Bhoi, Nongpoh
4. Sohra College, Cherrapunjee.

Development Departments

New Colleges Affiliated:

1. K.L. Bajoria College, Shillong - Arts (Pass Course) and B.Com. (Pass Course).
2. Don Bosco College of Teacher Education, Tura, West Garo Hills. - B.Ed Course.

Permission was Granted to the Following for Starting a New College:

Shillong Engineering & Management College, Jorabat.

The total number of colleges at present is : 56

Permanently affiliated : 24

Temporarily affiliated : 32

During the year under report the following activities were organized:

- i) Principals' Conference was held on 14th October, 2004.
- ii) State Level Workshop on Strengthening Higher Education in Meghalaya sponsored by U.G.C. was held on 30th October, 2004.

The Council invited proposals from permanently affiliated colleges for starting PG courses under the provisions of the new ordinance on starting PG courses in colleges.

Colleges were asked to submit proposals to UGC under the following schemes:

- (a) Computer Networking Scheme (proposals were received and forwarded to UGC).
- (b) Certificate/Diploma Courses (proposals were forwarded to UGC).
- (c) Colleges with Potential for Excellence (St. Anthony's College was recommended to the UGC for consideration under this scheme).

IX

EXAMINATION DEPARTMENT

During the year under review, the university conducted all the UG/PG examinations on schedule and declared the results in time. The university allowed students of undergraduate (2004-05 batch) to proceed to the next higher class with one arrear paper only. Thus a switch was there from “no arrear” system to “arrear system”. This concession will continue on ratification by the Academic Council. The department successfully conducted the central evaluation for B.Ed examination of December 2004, and declared the result in record time. The department was also able to help organize the 14th Convocation of the university held on 6th November 2004, in which 1117 candidates took their various degrees in person.

The enrolment and result during the year under report is given in annexures “A”, “B” and “C” respectively.

Tables from next page

ANNEXURE "A"
NORTH-EASTERN HILL UNIVERSITY, SHILLONG
ENROLMENT OF STUDENTS FOR THE ACADEMIC YEAR 2004-05

	Gen	Gen	S. T	S. T	S. C	S. C	OBC	OBC	Total	Total
Courses	M	F	M	F	M	F	M	F	M	F
<u>BA (Pass)</u>										
First Year	289	287	2567	2474	54	39	29	29	2939	2829
Second Year	133	154	1317	1536	35	22	17	13	1502	1725
Third Year	114	150	868	1107	23	15	6	10	1011	1282
Total	536	591	4752	5117	112	76	52	52	5452	5836
<u>B Sc (Pass)</u>										
First Year	19	19	109	81	5	3	10	3	143	106
Second Year	8	7	64	47	1	3	3	5	76	62
Third Year	9	6	24	28	3	1	2	2	38	37
Total	36	32	197	156	9	7	15	10	257	205
<u>B Com (Pass)</u>										
First Year	140	47	216	68	1	1	6	1	363	117
Second Year	76	19	133	65	1	0	0	1	210	85
Third Year	32	11	72	18	0	0	5	1	109	30
Total	248	77	421	151	2	1	11	3	682	232
<u>B Sc Home Sc (Pass)</u>										
First Year	0	0	0	2	0	0	0	0	0	2
Second Year	0	0	0	1	0	0	0	0	0	1
Total	0	0	0	3	0	0	0	0	0	3
<u>BA (Honours)</u>										
First Year	128	157	1604	2005	24	13	12	12	1768	2187
Second Year	113	157	1071	1467	15	14	11	15	1210	1653
Third Year	72	131	655	1186	9	6	7	7	743	1330
Total	313	445	3330	4658	48	33	30	34	3721	5170
<u>B Sc (Honours)</u>										
First Year	148	110	501	435	11	8	13	14	673	567
Second Year	110	82	228	210	7	4	8	6	353	302
Third Year	95	62	154	148	4	2	3	1	256	213
Total	353	254	883	793	22	14	24	21	1282	1082
<u>B Sc Home Science (Honours)</u>										
First Year	0	2	0	23	0	0	0	0	0	25
Second Year	0	3	0	14	0	0	0	0	0	17
Third Year	0	0	0	10	0	0	0	0	0	10
Total	0	5	0	47	0	0	0	0	0	52
<u>B Com (Honours)</u>										
First Year	68	36	252	126	5	4	6	2	331	168
Second Year	54	41	191	73	7	3	2	1	254	118
Third Year	50	27	93	50	0	0	3	1	146	78
Total	172	104	536	249	12	7	11	4	731	364

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	Gen	Gen	S. T	S. T	S. C	S. C	OBC	OBC	Total	Total
Courses	M	F	M	F	M	F	M	F	M	F
<u>B B A (Honours)</u>										
First Year	9	6	33	19	2	1	3	2	47	28
Second Year	3	3	14	8	1	1	1	0	19	12
Third Year	3	5	13	9	0	0	1	0	17	14
Total	15	14	60	36	3	2	5	2	83	54

<u>B C A (Honours)</u>										
First Year	4	2	13	4	2	1	1	1	20	8
Second Year	4	1	2	1	1	0	2	1	9	3
Third Year	12	1	3	1	2	2	1	1	18	5
Total	20	4	18	6	5	3	4	3	47	16
<u>B Ed</u>										
First Year	22	50	69	173	3	3	6	4	100	230
<u>L L B</u>										
First Year	46	23	211	81	4	1	5	1	266	106
Second Year	24	23	93	69	1	0	1	0	119	92
Third Year	21	10	75	41	0	0	0	0	96	51
Total	91	56	379	191	5	1	6	1	481	249
Degree Grand Total	1806	1632	10645	11580	221	147	164	134	12836	13493
<u>M A</u>										
Previous	12	44	208	306	3	9	3	6	226	365
Final	10	43	166	285	3	7	2	5	181	340
Total	22	87	374	591	6	16	5	11	407	705
<u>M Sc</u>										
Previous	15	18	66	64	2	2	0	0	83	84
Final	12	20	81	54	2	1	0	0	95	75
Total	27	38	147	118	4	3	0	0	178	159
<u>M Com</u>										
Previous	14	4	14	13	0	0	0	0	28	17
Final	3	10	18	13	0	1	0	0	21	24
Total	17	14	32	26	0	1	0	0	49	41
<u>M Lib Info Sc.</u>										
Previous	1	2	4	18	0	0	0	0	5	20
Final	2	1	5	8	0	0	0	0	7	9
Total	3	3	9	26	0	0	0	0	12	29
Master's Degree Total	69	142	562	761	10	20	5	11	646	934
<u>M Phil</u>										
Newly Enrolled	9	9	9	0	0	1	0	0	18	10
Previously Enrolled	8	8	12	10	0	0	0	0	20	18
Total	17	17	21	10	0	1	0	0	38	28

Annexure "A"

	Gen	Gen	S. T	S. T	S. C	S. C	OBC	OBC	Total	Total
<u>Ph D</u>										
Newly Enrolled	13	13	25	27	2	1	0	0	40	41
Previously Enrolled	29	27	67	102	6	5	1	3	103	137
Total	42	40	92	129	8	6	1	3	143	178
Research Total	59	57	113	139	8	7	1	3	181	206
<u>Diploma</u>	2	1	23	45	0	0	0	0	25	46
<u>Certificate</u>	2	0	6	13	0	0	0	0	8	13
<u>PGDCA</u>	5	7	4	4	0	0	0	0	9	11

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Post Graduate Courses

States	Gen		ST		S. C		OBC		Total	Total
	M	F	M	F	M	F	M	F	M	F
Arunachal Pradesh	1	2	4	5	0	0	0	0	5	7
Assam	10	12	7	4	2	2	4	8	23	26
Bihar	2	4	0	0	0	0	0	1	2	5
Jharkhand	0	0	1	0	0	0	0	0	1	0
Kerala	2	3	0	0	0	0	0	0	2	3
Manipur	4	11	52	31	0	1	0	1	56	44
Meghalaya	47	100	401	618	8	17	1	1	457	736
Mizoram	0	2	31	38	0	0	0	0	31	40
Nagaland	2	0	52	58	0	0	0	0	54	58
Orissa	0	1	0	0	0	0	0	0	0	1
Tamil Nadu	1	0	0	0	0	0	0	0	1	0
Tripura	0	0	14	7	0	0	0	0	14	7
Uttar Pradesh	0	1	0	0	0	0	0	0	0	1
Uttaranchal	0	2	0	0	0	0	0	0	0	2
West Bengal	0	4	0	0	0	0	0	0	0	4
Total	69	142	562	761	10	20	5	11	646	934

Diploma Courses

States	Gen		ST		S. C		OBC		Total	Total
	M	F	M	F	M	F	M	F	M	F
J & K	1	0	0	0	0	0	0	0	1	0
Manipur	0	0	2	2	0	0	0	0	2	2
Meghalaya	6	6	24	46	0	0	0	0	30	52
Mizoram	0	0	0	1	0	0	0	0	0	1
Tripura	0	0	1	0	0	0	0	0	1	0
Uttar Pradesh	0	1	0	0	0	0	0	0	0	1
West Bengal	0	1	0	0	0	0	0	0	0	1
Total	7	8	27	49	0	0	0	0	34	57

Certificate Courses

States	Gen		ST		S. C		OBC		Total	Total
	M	F	M	F	M	F	M	F	M	F
Meghalaya	2	0	6	13	0	0	0	0	8	13
Total										

Annexure "A"

M Phil

States	Gen	Gen	ST	ST	S. C	S. C	OBC	OBC	Total	Total
	M	F	M	F	M	F	M	F	M	F
Meghalaya	17	17	21	10	0	1	0	0	38	28

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ANNEXURE "B" NORTH-EASTERN HILL UNIVERSITY, SHILLONG ENROLMENT OF STUDENTS FOR THE ACADEMIC YEAR 2004-05 FROM DIFFERENT STATES

Under-Graduate (Non-Professional) Courses

States	Gen		S. T		S. C		OBC		Total	Total
	M	F	M	F	M	F	M	F	M	F
Arunachal Pradesh	0	1	42	10	0	0	0	0	42	11
Assam	55	52	64	29	4	2	4	2	127	85
Bangladesh (B A)	1	0	0	0	0	0	0	0	1	0
Bhutan (B A)	9	12	0	0	0	0	0	0	9	12
Bihar	6	4	0	0	0	0	0	0	6	4
Jharkhand	3	0	0	1	0	0	0	0	3	1
Kerala	10	8	0	1	0	1	0	0	10	10
Madhya Pradesh	0	0	0	0	2	0	0	0	2	0
Manipur	6	4	455	310	0	0	0	0	460	315
Meghalaya	1558	1414	8845	10086	179	132	139	121	10722	11752
Mizoram	0	0	238	274	0	0	0	0	238	274
N R I (B A)	0	10	0	1	0	0	0	0	0	11
Nagaland	3	0	434	446	0	0	0	0	437	446
Orissa	2	0	0	0	0	0	0	0	2	0
Tripura	4	3	41	16	20	3	0	1	65	23
West Bengal	1	0	0	0	0	0	0	0	1	0
Total	1658	1508	10119	11174	205	138	143	124	12125	12944

Under-Graduate (Professional) Courses

States	Gen		S T		S. C		OBC		Total	Total
	M	F	M	F	M	F	M	F	M	F
Andhra Pradesh	0	1	37	9	0	0	0	0	37	10
Assam	17	2	5	3	1	0	1	0	24	5
Bangladesh (B Ed)	0	1	0	0	0	0	0	0	0	1
Bihar	1	0	0	0	0	0	0	0	1	0
Delhi	0	1	0	0	0	0	0	0	0	1
Goa	1	0	0	0	0	0	0	0	1	0
Jharkhand	0	0	0	0	1	0	0	0	1	0
Karnataka	1	2	0	0	0	0	0	0	1	2
Kerala	7	9	0	0	0	0	0	0	7	9
Manipur	0	1	9	8	0	0	3	0	12	9
Meghalaya	121	99	453	375	13	6	16	9	603	489
Mizoram	0	1	7	2	0	0	0	1	7	4
Nagaland	0	1	7	7	0	0	0	0	7	8
Orissa	0	0	0	0	1	2	0	0	1	2

Annexure "B"

States	Gen	Gen	S T	S T	S. C	S. C	OBC	OBC	Total	Total
Punjab	0	1	0	0	0	0	0	0	0	1
Tripura	0	0	8	2	0	1	1	0	9	3
U P	0	2	0	0	0	0	0	0	0	2
Uttaranchal	0	1	0	0	0	0	0	0	0	1
West Bengal	0	2	0	0	0	0	0	0	0	2
Total	148	124	526	406	16	9	21	10	711	549

Ph D

	Gen		ST		S. C		OBC		Total	
	M	F	M	F	M	F	M	F	M	F
Assam	3	4	1	0	0	0	0	0	4	4
Bihar	2	0	0	0	0	0	0	0	2	0
Kerala	1	0	0	0	0	0	0	0	1	0
Manipur	1	1	13	5	0	0	0	0	14	6
Meghalaya	30	35	71	119	8	6	1	3	110	163
Mizoram	0	0	5	2	0	0	0	0	5	2
Nagaland	0	0	1	3	0	0	0	0	1	3
Orissa	1	0	0	0	0	0	0	0	1	0
Tripura	1	0	1	0	0	0	0	0	2	0
Uttar Pradesh	2	0	0	0	0	0	0	0	2	0
Uttaranchal	1	0	0	0	0	0	0	0	1	0
Total	42	40	92	129	8	6	1	3	143	178

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ANNEXURE "C"

RESULT ANALYSIS FOR THE YEAR 2004 EXAMINATIONS																																								
Courses	Number of students appeared .										Number of students passed																													
	GEN		S. T.		S. C.		OBC		Total		General				S. Tribe				S Caste				O B C T O T A L																	
	M	F	M	F	M	F	M	F	M	F	M	M	M	F	F	F	M	M	M	F	F	F	M	M	M	F	F	F	M	M	M	F	F	F						
											I	II	SI	I	II	SI	I	II	SI	I	II	SI	I	II	SI	I	II	SI	I	II	SI	I	II	SI						
BA (Pass)																																								
Regular	57	132	419	510	4	9	9	10	487	663	0	0	20	33	0	0	59	70	2	112	270	1	106	368	0	0	3	0	3	5	0	3	4	0	3	7				
N - C	44	58	378	343	0	1	1	2	423	404	0	6	25	3	0	0	27	70	0	15	220	0	5	271	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BA (Honours)																																								
Regular	107	189	364	567	14	18	1	1	486	775	16	58	31	19	112	53	12	212	126	28	316	195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
N - C	13	27	128	131	2	5	1	0	144	163	4	4	4	2	15	8	0	39	60	26	78	195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B Sc (Pass)																																								
Regular	6	7	6	7	2	1	0	1	14	16	0	5	1	2	4	1	0	6	0	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
N - C	7	2	24	10	0	0	0	0	31	12	0	3	4	0	1	1	0	6	7	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B Sc (Honours)																																								
Regular	54	70	19	106	2	3	1	1	148	180	44	9	0	6	8	0	23	47	3	60	44	1	0	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	
N - C	32	13	74	64	0	1	1	1	107	79	8	14	5	7	4	0	19	37	3	16	33	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B Sc Home Sc (Pass)																																								
Regular	0	0	0	2	0	0	0	1	0	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
N - C	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B Sc Home Sc (Honours)																																								
Regular	0	2	0	5	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
N - C	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B Com (Pass)																																								
Regular	37	27	69	40	5	3	2	1	113	71	1	7	22	0	5	17	0	5	34	0	1	0	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
N - C	27	14	47	27	0	0	0	0	74	41	0	2	9	0	6	0	2	2	24	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B Com (Honours)																																								
Regular	32	25	46	23	1	1	1	0	80	49	1	13	18	4	7	2	9	33	0	10	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
N - C	4	0	25	11	0	1	0	0	29	12	0	1	3	0	0	0	5	19	0	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B BA (Honours)																																								
Regular	8	5	4	14	0	0	0	0	12	19	4	4	0	3	2	0	2	2	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCA																																								
Regular	7	2	2	2	0	0	0	0	9	4	2	5	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	AWARD OF M Phil / Ph D										TOTAL	
	General		S. Tribe		S. Caste		O	B	C			
	M	F	M	F	M	F	M	F	M	F		
M Phil	2	1	6	5	0	0	0	0			8	6
Ph D	6	4	23	11	0	0	0	0			29	15

X

HINDI CELL

For successful implementation of the Official Language Act, 1963 in this university a Hindi Cell has been established.

In-Charge: Dr. J. N. Nayak, Deputy Registrar.

Scope & Committee:

An Official Language Implementation Committee has been constituted by the university to review the implementation of Hindi, to review the quarterly progress reports and to ensure their timely submission, to review the difficulties encountered in the implementation and give suggestions if necessary. During the year the Hindi Cell sent the quarterly report for use of Hindi regularly to the concerned ministry and also convened the meeting of Official Language Implementation Committee quarterly. A short term Hindi Training Programme was also conducted for the employees of the university with the help of Rashtrabhasha Prachar Samiti (Wardha), Guwahati Region.

Specific Activities:

On the advice of the Official Language Implementation Committee, NEHU the Hindi version of NEHU website has been launched.

Apart from the above, a short term Hindi Training Programme for the employees of this university was conducted w.e.f. 17th September 2004. The duration of the programme was three months and held under the auspices of Rashtrabhasha Prachar Samiti (Wardha), Guwahati region. 16 employees from various sections of the university were nominated as trainees for this. All 16 of them have passed the beginners' level course examination and a certificate has been awarded to them by the said Samiti.

As usual annual activities such as observance of Hindi Divas and Hindi Fort-night were observed from 14th to 28th September 2004.

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Special Assignment:

In pursuance of the decision taken by the Official Language Implementation Committee, the Hindi Cell was busy with completion of Khasi-Hindi-English Learners' Dictionary, which has to be completed by June 2005.

Workshops/Seminars:

Organised:

Three Hindi workshops of two days' duration were conducted on 28-29 July, 29th September, 2004 and 28-29 March 2005.

Attended:

Sri S. K. Karna represented the university in a three-day Hindi Seminar & Workshop held at Nainital, Uttaranchal on 6-8 October 2004 held under the auspices of Rajbhasha Sansthan, New Delhi. Sri S.K.Karna and Sri Satendra Kumar of the cell attended a two-day Hindi Seminar & Workshop organised by the Ministry of Human Resource Development, Government of India held at Kendriya Hindi Sansthan, Bhubaneshwar on 7-8 February 2005 and a five-day Computer Training Programme conducted by the Rajbhasha Vibhag, Ministry of Home Affairs at CMC, Guwahati on 27-31 September 2004. Sri Satendra Kumar, Hindi Typist, attended the said programme as the nominated trainee of this university.

XI

SCHEDULED CASTES AND SCHEDULED TRIBES

During the year under report, the Scheduled Castes & Scheduled Tribes Cell of the university was fully engaged with reservation matters and appointment of all categories of staff in this university and also in collecting information on admission of students to various programmes/ courses/disciplines.

Shri L.M.K. Lyngrah, Deputy Registrar (SC/ST & Estt-I) and Shri B. Rynjah, Section Officer, Estt-I (appointment) attended the workshop on "Reservation in Services for SCs, STs and OBCs and P.H.Ps" conducted by the Centre for Management, Training and Social Service, New Delhi on 14 -17 September 2004. He also attended the workshop on "Implementation of Reservation Policy in Central Universities" held on 27 & 28 January 2005 at Jawaharlal Nehru University, New Delhi conducted by the "Institute of Secretariat Training and Management (ISIM)" Government of India, Department of Personal and Training, New Delhi.

The university followed the 100 point roster in the past up to 01-7-1977, and the 200 points post based reservation roster from 02-7-1997 onwards according to the DOPT order No. 36012/21/96-Estt (RSES) dated 2/7/97.

XII

STUDENTS' SERVICES AND AMENITIES

DEAN OF STUDENTS' WELFARE

The office of the Dean of Students' Welfare continued to serve as the nodal agency for students' services and their welfare. Major concerns of the office have been the management of the Halls of Residences of the post-graduate students and research scholars, academic study tours, coordination of students' sports and cultural activities, conduct of elections to the Students' Union and the installation of the new Union Executive Committee, award of the Post-graduate Scholarships and grant of Students Aid to economically weak students.

Dean of Students' Welfare: Professor D.K. Nayak

Residence in Hostels: Following numbers of post-graduate students and research scholars were given hostel accommodation for the year 2004-05 on Shillong campus.

	ST/SC	Genl.	Total
Men (P.G. & R.S.)	137	22	159
Women (P.G. & R.S.)	184	15	199

Study Tours and Field Trips: The Office also coordinated the study tours of the following twelve (12) academic departments:

(1) Zoology (2) Linguistics (3) Political Science (4) Botany (5) History (6) Philosophy (7) Chemistry (8) Commerce (9) English (10) Education (Tura) (11) English (Tura) (12) R.D.A.P (Tura).

Sports Activities: The following sports activities were conducted during the year:

1. Handique Memorial Inter-Hostel Volleyball Tournament organized by Japfu Halls of Residence in the month of April 2004.

Students' Services and Amenities

2. P.C. Lalmuanpuii Inter-Hostel Basketball Tournament organized by Samsar Halls of Residence in the month of April 2004.
3. Romengo Murry Memorial Inter-Hostel Table Tennis Tournament organized by Saramati Halls of Residence in the month of April 2004.
4. The post-graduate centre participated in the NEHU Inter-College Basketball & Cricket Tournament held in Shillong in the month of October 2004.

The Office Supported the Conduct of the Following Activities:

1. A workshop on 'Moral Leadership' was organized in the month of April 2004.
2. A cultural festival of North East India was organized by the Research Scholars of NEHU in the month of May 2005.
3. Four students participated in the competition held in Guwahati on "University Challenge India" Preliminary round Quiz contest.
4. 7th National Youth Parliamentary Quiz Competition was organized in the month of September 2004 and was participated by representatives from all the departments.
5. The Zonic Society of Zoology Department organized its activities during October 2004.
6. Student representatives participated in the National Integration Camp cum Youth Festival organized by Patnitop Development Authority, Udampur on October 4-10, 2004 and won 2 prizes.
7. A Film Festival was organized during University Week on 24-26 March 2005.

North-Eastern Hill University Students' Union (NEHUSU) Activities:

1. In order that the term of the NEHUSU and the university's academic calendar coincide, the elections to the Union's Executive Committee were held in October 2004 and the office bearers took charge soon after.
2. The NEHUSU Fresher's Social was held in November 2004.
3. The preliminary sports, cultural and literary events of the Varsity Week were held from 15 March 2005 onwards.

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Scholarships/Aid Fund: During 2004-05, 112 NEHU Post-graduate Scholarships (including ST/SC students) were awarded. In addition, 123 students were given funds from the Students Aid Fund on a merit-cum-means basis.

GAMES AND SPORTS

The Sports Board of North-Eastern Hill University conducted the following inter-college tournaments during 2004-2005 in Shillong and Tura:

A. One-Zone Tournaments:

1. Football (Men): The tournament was conducted at Polo Ground, Shillong from 9th to 13th August 2004. Altogether 14 colleges took part in the tournament. Shri Kenneth Rangad, President of the Shillong Sports Association was the Chief Guest on the occasion and presented the prizes to the winner and runners up teams.

Winners - Shillong College.

Runners Up - Seng Khasi College.

2. Badminton (Men & Women): Since Tura Campus could not conduct its Zonal Tournament in this discipline due to lack of facilities it was conducted on One Zone basis from the 24 to 26 August 2004 at the Tirof Sing Indoor Stadium, Shillong. In all 16 colleges took part in the Men's Section and 8 (eight) in the Women's Section. Mr. B. Sharma, President of the Meghalaya Badminton Association and Vice-President of the Indian Badminton Association was the Chief Guest on the occasion and also presented the prizes to the Winners and Runners Up of the tournament.

Men's Section

Winners - St. Anthony's College.

Runners Up - St. Edmund's College.

Women's Section

Winners - St. Anthony's College.

Runners Up - St. Mary's College.

Students' Services and Amenities

3. Table Tennis (Men & Women): The tournament was conducted from 24 to 26 August 2004 at the Tirot Sing Indoor Stadium, Shillong on One Zone basis. In all 10 colleges in the Men's category and 6 colleges in the Women's category took part in this event. Prof. B. Kharbuli, Teacher-in-Charge, Sports Department and Mr. P. Blah, Asstt. Director of Sports presented the prizes to the Winners and Runners Up teams.

Men's Section

Winners - Shillong College.

Runners Up - St. Edmund's College.

Women's Section

Winners - St. Anthony's College.

Runners Up - St. Mary's College.

4. Football (Women): The tournament was conducted at Polo Grounds, Shillong from 6 to 10 September 2004. 4 colleges took part in the tournament. The Chief Guest for the occasion was Shri. B. Lyngdoh, Gen. Secretary Meghalaya Football Association who also presented the prizes to the winner and runners up.

Winners - Lady Keane College.

Runners Up - Synod College.

5. Basketball (Men & Women): The Zonal Tournament was conducted at the J.N. Complex Basketball Court and Bijni Complex Basketball Court, Shillong from 14th to 20th September 2004. The preliminary matches were held at J.N. Complex and final events were held at Bijni Complex Basketball Court. 18 colleges took part in the Men's category and 16 in the Women's category. Prof. Imdad Hussain gave away the prizes to the winners and Prof. B. Kharbuli presented the prizes to the runners up.

Men's Section

Winners - St. Anthony's College, Shillong.

Runners Up - Shillong College, Shillong.

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Women's Section

Winners - St. Anthony's College, Shillong.

Runners Up - Shillong College, Shillong.

6. Cricket (Men): The tournament was conducted at Polo Cricket Ground from 26th November to 1st December 2004. In all 12 colleges participated in the tournament. Dignitaries present at the Closing Ceremony were Mr. R.G. Lyngdoh, MLA Laitumkhrah Constituency, Shri. Billy Kid Sangma, Parliamentary Secretary, Govt. of Meghalaya and Shri. D.D. Ingty, Commissioner, Customs, Govt. of India. The Man of the Series and Man of the Match of the tournament was given to Shri. Babloo Passah of B.B.S. College.

Winners - Buddha Bhanu Saraswati College.

Runners Up - Tura Government College.

7. Inter University Tournament: East Zone and AIU 2004-05

This year the university sent out a football (Men's) team to participate at the East Zone Inter-University Tournament held at Varanasi (U.P.) from 13.10.04 to 20.10.04. The NEHU team gave an outstanding performance throughout the tournament but lost in the semi-final to Calcutta University by one goal. The team was accompanied by Shri. L. Darlong, NEHU Football Coach and Mr. Cliff Dohling.

NATIONAL SERVICE SCHEME

The National Service Scheme (NSS) of the Government of India utilizes the free time of college/university students for socially productive works. An important feature of the NSS is that its programmes are organized by the students themselves under the guidance of their teachers as Programme Officers. The work undertaken by the college units are divided into Regular Activities and Special camping. NSS activities have during the year increased further as evident from the variety of programmes undertaken. The NSS Cell has initiated innovative programmes to increase community outreach and create a lasting impact on society.

Students' Services and Amenities

Programme Co-ordinator: Professor R.N. Sharan

Enrolment for the year has increased to 13,501 (female – 6881 and male – 6620) volunteers comprising 28 colleges, one senior secondary school and two PG units under NEHU. Meghalaya NSS has a total of 49 programme officers, of whom 31 are trained.

National Integration Camp:

1. Eleven volunteers (6 male and 5 female) from the NSS unit of Tura Government College and NEHU Tura Campus attended the National Integration Camp at Imphal from 31st January to 9th February 2005.
2. Five volunteers from UCC attended the Youth Festival for Promoting National Integration at Guwahati from 5 to 11 December 2004. The camp was organized by the Rajyoga Education & Research Foundation.

Pre-Republic Day Parade Camp: This year the camp was held in Gangtok from 28th October to 6th November 2004. The NEHU contingent was accompanied by Ms. T. Syiemlieh, NSS Programme Officer of St. Mary's College and comprised 5 male volunteers from Seng Khasi College and Shillong College and 5 female volunteers from St. Mary's College.

Ms. Rika Pariat of St. Mary's College and Mr. Joshua Nongrum of Shillong College attended the Republic Day Parade Camp at New Delhi from 1 to 31 January 2005.

Youth Leadership Training Programme: As part of the National Youth Network, a Youth Leadership Training Programme sponsored by the UGC was organized at CHM College, Ulhasnagar, Thane from 27 to 29 October 2004. 4 male volunteers from Raid Laban College & Umshyrpi College participated in the programme. Mr. B. Dash, NSS Programme Officer, Umshyrpi College accompanied the contingent.

Blood Donation Camp:

1. On the occasion of the Voluntary Blood Donation Day on 1st October 2004 a Blood Donation Camp was held at the Regional Blood Bank, Pasteur Institute, Shillong. 11 donors were NSS volunteers from Shillong College and P.G. unit of NEHU and 3 were from the NEHU teaching staff including the Programme Co-ordinator, NSS. The programme was or-

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ganized in collaboration with the Regional Bank and Meghalaya State Blood Transfusion Council.

2. Another camp was held at Red Cross Society Laban in which 9 NSS volunteers from Umshyrpi and BBS colleges donated blood.
3. A blood grouping camp for NSS volunteers was also held at the Red Cross Society. 98 volunteers from Sankardev, Raid Laban, Umshyrpi and BBS colleges participated.
4. A camp was also held at Nazareth Hospital Shillong in which 2 volunteers from UCC and 3 from St. Mary's College donated blood.

Special Camp: The NSS unit of Tikrikilla College held a special camp at the adopted village Nagargaon from 30th August to 4th September 2004. 50 volunteers (32 male and 18 female) participated in the same.

Relief Activities: Following the torrential rains during October 2004 the NSS units of Umshyrpi and Synod colleges, in collaboration with the Indian Red Cross Society, Shillong assisted 16 families of Lawsohtun and Polo areas by distributing relief materials and financial aid.

The NSS unit of Shillong College also distributed relief package (courtesy Indian Red Cross) to 16 households, which were affected by fire in Gora Lane on 14th October 2004.

Other Activities:

A National Consultation on Youth Empowerment through academically integrated programmes was organized by the Rajiv Gandhi National Institute of Youth Development, Sriperembudur at the Youth Hostel, Shillong on 3rd June 2004. The NSS Cell facilitated the participation of the Principals of Women's College, Kendriya Vidyalaya School, NEHU and BSF Senior Secondary School. The programme was also attended by Prof. D.K. Nayak, Dean, Students' Welfare, NEHU. 14 NSS Programme Officers of Sankardev, St. Mary's, Sohra, Shillong Commerce, Seng Khasi and Shillong College and P.G. Unit, NEHU along with 23 NSS volunteers attended the programme.

Prof. U.R. Dutta, Deputy Programme Coordinator, attended a Capacity Building programme on Child Labour at Noida from 14 to 21 June 2004. The programme was organized by the V.V. Giri National Labour Institute, Noida.

Students' Services and Amenities

To observe National Sports Day on 29 August 2004, NSS volunteers of Women's, Seng Khasi, Shillong Commerce and Shillong Colleges were involved in fund raising for the National Sports Development Fund.

20 NSS volunteers from several colleges attended a training programme on Youth & Entrepreneurship for the Youths of NE states at the NEHU Guest House from 16 to 19 November 2004. The programme was organized by the RGNIYD, Sriperembudur.

3 Programme Officers from Umshyrpi College and BSF Senior Secondary School attended a programme on Skill Training on Participatory Learning & Action at NIPCCD, Guwahati from 16 to 20 November 2004.

The NSS Cell facilitated a health cum medical check up camp for 445 students of Kendriya Vidyalaya School, NEHU, Shillong on 9th and 10th February 2005.

Prof. U.R. Dutta, Deputy Programme Coordinator, attended a National Seminar on Need for Entrepreneurship Education at the Indian Institute of Entrepreneurship, Guwahati on March 2-3, 2005.

World Environment Day: Various units organized programmes in observance of the World Environment Day on 5th June 2004 by organizing cleaning drives and tree plantation programmes.

NSS Day: Units also observed the NSS Day on 24 September 2004 by organizing various programmes.

World Aids Day: In celebration of the World Aids Day, the NSS Cell in collaboration with the Indian Red Cross Society, Meghalaya State Aids Control Society and the IEC Node, Military Hospital Shillong organized a host of activities throughout the month of November which culminated on 1st December 2004.

A Team Run event with the theme "Together We Can" was held on 27th November 2004, which had 112 students from 9 colleges units participating. In addition, a poster and slogan competition on HIV/AIDS was also held.

A seminar was organized on 1st December 2004, with the theme "Women, Girls and HIV/AIDS". 12 participants from 7 colleges presented their views at the seminar. The Chief Guest was Mr. Sayedullah Nongrum, Health Minister, Government of Meghalaya.

The day's programme was attended by hundreds of NSS Volunteers from several colleges. The volunteers who had participated in different events and

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emerged winners were awarded with cash prizes and certificates.

Universities Talk AIDS Project: For the year 2004 five colleges were identified to implement the Universities Talk AIDS Project, sponsored by the Ministry of Youth Affairs & Sports, New Delhi. The NSS units of Seng Khasi College, St. Mary's College, Shillong Commerce College, Union Christian College and Shillong College undertook a variety of programmes during the year. A series of trainings and workshops on UTA for the NSS Programme Officers of the concerned colleges was held at the NEHU Guest House, Shillong during July-September, 2004.

At the college/institutional level, training of 50 students as peer educators was conducted. In addition, different competitions such as poster, quiz, skit/drama etc. were also conducted at the respective colleges.

At the community level, training for 50 community leaders from the adopted villages was conducted.

Information & Counselling Centre: The Centre set up at the NSS Cell caters to a small but significant number of needy people by providing group and individual counseling on various issues related to HIV/AIDS, alcoholism etc. Awareness talks and sensitization sessions on HIV/AIDS were also conducted in several colleges.

The Centre has also initiated a weekly column in the local daily "The Shillong Times" as part of its outreach programme in creating HIV/AIDS awareness.

XIII

APPENDICES

MEMBERS OF THE COURT

<p>Chancellor, Ex-Officio Prof. André Beteille, Chancellor of North-Eastern Hill University, 69, Jorbagh, Ground Floor, New Delhi – 110003</p> <p>Vice-Chancellor, Ex-Officio Prof. M. Miri, North-Eastern Hill University, Shillong.</p> <p>Pro-Vice-Chancellor, Ex-Officio Prof. S.S. Khare, NEHU, Tura Campus, Tura</p> <p>Dean, Students' Welfare, Ex-Officio Dean, Students' Welfare, NEHU, Shillong</p> <p>Registrar, Ex-Officio Registrar, NEHU, Shillong</p> <p>Librarian, Ex-Officio Librarian, NEHU, Shillong</p> <p>Proctor, Ex-Officio Proctor, NEHU, Shillong.</p> <p>Finance Officer, Ex-Officio Finance Officer, NEHU, Shillong</p>	<p>Deans of Schools, Ex-Officio</p> <ol style="list-style-type: none"> 1. Dean, School of Humanities & Education 2. Dean, School of Life Sciences 3. Dean, School of Physical Sciences 4. Dean, School of Social Sciences 5. Dean, School of Economics, Management and Information Sciences 6. Dean, School of Human and Environmental Sciences <p>All Professors, Ex-Officio</p> <p>Department of Anthropology</p> <ol style="list-style-type: none"> 1. Prof. T.B. Subba 2. Prof. H. Lamin 3. Prof. J. Brouwer <p>Department of Biochemistry</p> <ol style="list-style-type: none"> 1. Prof. R. Lalthantluanga 2. Prof. A.N. Rai 3. Prof. R. Sharma 4. Prof. R.N. Sharan 5. Prof. Vinod Singh <p>Department of Bio-Technology and Bio- Informatics</p> <ol style="list-style-type: none"> 1. Prof. A. Chatterjee <p>Department of Botany</p> <ol style="list-style-type: none"> 1. Prof. P. Tandon 2. Prof. H. N. Pandey
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3. Prof. A. K. Mishra
4. Prof. N.K. Chrungrao
5. Prof. R. C. Laloo
6. Prof. (Ms) M. S. Dkhar

Department of Chemistry

1. Prof. M.K. Mahanti
2. Prof. K. Ismail
3. Prof. R. K. Poddar
4. Prof. B. Myrboh
5. Prof. R. H. D. Lyngdoh
6. Prof. R. A. Lal

Department of Economics

1. Prof. S.K. Mishra
2. Prof. N. Srivastav
3. Prof. E.D. Thomas
4. Prof. P. Nayak

Department of Education

1. Prof. (Mrs) K.S. Lyngdoh
2. Prof. P.K. Gupta
3. Prof. (Mrs) A. Henia
4. Prof. R. S. Wangu

Department of English

1. Prof. (Mrs) T. Ao
2. Prof. R.P. Sharma

Department of English, NEHU, Tura Campus, Tura

1. Prof. S. Ganguly

Department of Garo

1. Prof. C.R. Marak

Department of Geography

1. Prof. R. Gopalakrishnan
2. Prof. A. C. Mohapatra
3. Prof. S. Singh
4. Prof. B. S. Mipun
5. Prof. D. K. Nayak

Department of Hindi

1. Prof. V. K. Srivastava

Department of History

1. Prof. J.B. Bhattacharjee
2. Prof. Imdad Hussain
3. Prof. D. R. Syiemlieh
4. Prof. (Mrs) M. Momin
5. Prof. (Mrs) M. Sharma
6. Prof. F. A. Qadri

Department of Khasi

1. Prof. (Ms) B. War
2. Prof. M. B. Jyrwa

Department of Linguistics

1. Prof. (Miss) J. War

Department of Mathematics

1. Prof. M.B. Rege
2. Prof. S.K. Srivastava
3. Prof. H. K. Mukherjee

Department of Philosophy

1. Prof. C.R. Agera
2. Prof. J. Pal
3. Prof. B.K. Agarwala
4. Prof. Vanlalnghak

Department of Political Science

1. Prof. R.L. Walli
2. Prof. A. K. Baruah
1. Prof. (Mrs) Rupa Borgohain
2. Prof. L.S. Gassah
3. Prof. B.J. Deb

Department of Physics

1. Prof. P. Shukla
2. Prof. K. Kumar
3. Prof. Y. S. Jain

Members of the Court

4. Prof. P. N. Pandita
5. Prof. D. T. Khathing
6. Prof. M.K. Parida
7. Prof. (Mrs) B. Jyrwa
8. Prof. (Ms) P. Nongkynrih
9. Prof. S. Kumar

Department of Sociology

1. Prof. C. Nunthara
2. Prof. N. Kumar
3. Prof. C. L. Imchen

Department of Zoology

1. Prof. (Mrs) V. Tandon
2. Prof. B. K. Sharma
3. Prof. B. B. P. Gupta
4. Prof. S. B. Prasad
5. Prof. N. Saha
6. Prof. B. Kharbuli
7. Prof. (Mrs) R. N. K. Horoo

Department of Library & Information Science

1. Prof. A. S. Chandel
2. Prof. (Mrs) Veena Saraf

Centre for Cultural and Creative Studies

1. Prof. (Mrs) H. Giri

Centre for Environmental Studies

1. Prof. B. K. Tiwari

Centre for Distance Education

1. Prof. (Mrs) D. Roy

Centre for Science Education

1. Prof. M. M. Singh

University Scientific Instrumentation Centre

1. Prof. (Ms) P. V. Koparkar

Sophisticated Analytical Instrumentation Facility

1. Prof. R. P. Bajpai

Registrar's Office

1. Prof. L. K. Jha

Heads of Department who are not Professors, Ex-Officio.

1. Head, Department of Commerce, Shillong.
2. Head, Department of Rural Development and Agricultural Production, NEHU, Tura.
3. Head, Department of Linguistics, Shillong.
4. Head, Department of Statistics, NEHU, Shillong.
5. Head, Department of Education, Tura Campus, Tura.
6. Head, Department of Law, NEHU, Shillong.
7. Head, Department of Hindi, NEHU, Shillong.

Two Readers who are not Heads of Department and two Lecturers to be appointed by rotation in the manner prescribed by Ordinances.

Readers:

1. Dr. D. Bhattacharjee,
Centre for Science Education

Lecturers:

1. Shri. P.G. Momin, Department of Geography, NEHU, Shillong.
2. Shri. R. S. Thakur, Department of English, Tura Campus, Tura.

Seven Principals of Colleges in the State of Meghalaya and three from Mizoram

1. Principal, Mawsynram Border Area College, East Khasi Hills District.
2. Principal, Nabon Synod College, Shillong.

3. Principal, Alpine College, Nongthymmai, Shillong.
4. Principal, North-East Adventist College, Thadlaskein, Jaintia Hills District.
5. Principal, Good Will College, Nongthymmai, Shillong.
6. Principal, St. Mary's College of Teachers' Education, Laitumkrah, Shillong.
7. Principal, Ramsang College, East Garo Hills.

Three teachers from affiliated colleges of the State of Meghalaya.

1. Shri. K.R. Marak, Lecturer, Mendipathar College, Mendipathar.
2. Shri. Ajoy Kumar Adhikary, Lecturer, Nongtalang College, Nongtalang.

Members of the Executive Council who are otherwise Members of the Court.

1. Director of Higher & Technical Education, Govt. of Meghalaya, Shillong.
2. Principal, Post-Graduate Training College, Shillong.
3. Prof. Gajendra Nath Talukdar, Vice-Chancellor, Gauhati University, Gopinath Bardoloi Nagar, Guwahati - 781014.
4. Principal, Law College, Shillong.
5. Dr. Y. S. Rajen, Vice-Chancellor, Panjab Technical University, Regional Engineering College Campus, Jalandhar-144071.
6. Dr. Gummadi Nancharaiah, Vice-Chancellor, Babasaheb, Bhimrao Ambedkar University, Vidya Vihar, Rae Bareilly Road, Lucknow-226025.
7. Prof. R. Natarajan, Chairman, All India Council for Technical Education (AICTE), Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110002.

Four Lok Sabha members to be nominated by the Speaker and two Rajya Sabha to be nominated by the Chairman of Rajya Sabha.

Lok Sabha

1. Sh. Joashim Baxla, 48, North-Avenue, New Delhi.
2. Dr. Thokchom Meinya, A-3, M.S.Flats, Baba Kharag Singh Marg, New Delhi.
3. Dr. H.T. Sangliana, 628,B-4, Ghataprabha, NGHC Koramengala, Bangalore-47.
4. Sh. Kunwar Sarvraj Singh, 52, North-Avenue, New Delhi-110001.

Rajya Sabha

1. Shri Indramoni Bora, Phatik Ch. Road, Uzan Bazar, Guwahati & 63, North Avenue, New Delhi-110001.
2. Shri Rishang Keishing, Mantri, Pukhri, Imphal Manipur. & 12, Talkatora Road, New Delhi 110001

Ten members representing learned professions and special interests to be nominated by the Visitor

Vacant

Members of the Court

Not more than five persons to be nominated by the Visitor

Vacant

Four Students to be nominated by the Vice-Chancellor.

1. Mr. Daniel Nongbri, Department of Biochemistry, NEHU, Shillong.
2. Mr. Joseph Langstieh, Department of Political Science, NEHU, Shillong.
3. Miss Semina Ch. Marak, Department of Garo, NEHU, Tura Campus, Tura.
4. Mr. Emilius Nongbri, Department of Economics, NEHU, Shillong.

Two persons nominated by the Chancellor.

1. Prof. Virginius Xaxa, Department of Sociology, Delhi University, Delhi-110007.
2. Prof. A.C. Bhagabati, Department of Anthropology, Gauhati University, Guwahati - 781014. (Assam)

Not more than two persons to be nominated by the Chief Rector.

1. Shri W. R. Laitphlang, (IAS Rtd. Ex-Director of Public Instruction), Rngi Jynriew, Upper Nongthymmai, Shillong- 793014.

Two members of Non-Teaching Staff nominated by the Vice-Chancellor.

1. President, Non-Teaching Staff Association, NEHU, Shillong.
2. General Secretary, Non-Teaching Staff Association, NEHU, Shillong.

Two representatives from the state of Meghalaya nominated by State Govt.

1. Director of Higher & Technical Education, Department of Education, Meghalaya, Shillong.
2. Smt. R. D. Marak, Director of Elementary & Mass Education, Department of Education, Govt. of Meghalaya, Shillong.

MEMBERS OF THE EXECUTIVE COUNCIL

Prof. M. Miri, Vice-Chancellor, NEHU, Shillong.	Director, Higher & Technical Education, Govt. of Meghalaya, Shillong.
Prof. S.S. Khare, Pro-Vice-Chancellor, NEHU, Tura Campus, Tura.	Prof. Gajendra Nath Talukdar, Vice-Chancellor, Gauhati University, Gopinath Bardoloi Nagar, Guwahati.
Prof. E.D. Thomas, Dean, School of Economics, Manage- ment & Information Sciences, NEHU, Shillong.	Dr. Y.S. Rajan, Principal Adviser, Confederation of India Industry (CII), Plot No. 249-F, Sector-18, Phase-IV, Udyog Vihar, Gurgaon – 122 015.
Prof. Surendra Singh, Dean, School of Human & Environ- mental Sciences, NEHU, Shillong.	Dr. Gummadi Nancharaiah, Vice-Chancellor, Babasaheb Bhimrao Ambedkar University, Vidya Vihar, Rae Bareli Road, Lucknow – 226 025.
Prof. M.K. Mahanti, Dean, School of Physical Sciences, NEHU, Shillong.	Prof. R. Natarajan, 52/1, 13, Cross Road, Malleswaram, Bangalore – 560 003.
Prof. R.L. Tuanga, Dean, School of Life Sciences, NEHU, Shillong.	Shri J. Lhungdim, Finance Officer, NEHU, Shillong.
Prof. R.L. Walli, Department of Political Science, NEHU, Shillong.	Prof. D.T. Khathing, Registrar, NEHU, Shillong.
Dr. (Mrs) M.B. Jyrwa, Department of Khasi, NEHU, Shillong.	
Principal, Post-Graduate Training College, Shillong.	
Principal, Shillong Law College.	

MEMBERS OF THE ACADEMIC COUNCIL

<p>Vice-Chancellor (Ex-Officio) Prof. M. Miri Vice-Chancellor, NEHU, Shillong.</p> <p>Pro-Vice-Chancellor (Ex-Officio) Prof. S.S. Khare Pro-Vice-Chancellor, NEHU, Tura Campus, Tura.</p> <p>Deans of Schools (Ex-Officio)</p> <ol style="list-style-type: none"> 1. Dean, School of Life Sciences, NEHU, Shillong. 2. Dean, School of Humanities and Education, NEHU, Shillong. 3. Dean, School of Physical Sciences, NEHU, Shillong. 4. Dean, School of Social Sciences, NEHU, Shillong. 5. Dean, School of Economics, Management & Information Sciences, NEHU, Shillong. 6. Dean, School of Human and Environmental Sciences, NEHU, Shillong. <p>Dean, Students' Welfare (Ex-Officio) Dean, Students' Welfare, NEHU, Shillong.</p> <p>Heads of Departments & Centres of Studies (Ex-Officio)</p> <ol style="list-style-type: none"> 1. Head, Department of History, NEHU, Shillong. 2. Head, Department of Political Science, NEHU, Shillong. 3. Head, Department of Sociology, NEHU, Shillong. 	<ol style="list-style-type: none"> 4. Head, Department of Economics, NEHU, Shillong. 5. Head, Department of Library and Information Sciences, NEHU, Shillong. 6. Head, Department of Biochemistry, NEHU, Shillong. 7. Head, Department of Botany, NEHU, Shillong. 8. Head, Department of Zoology, NEHU, Shillong. 9. Head, Department of Anthropology, NEHU, Shillong. 10. Head, Department of Geography, NEHU, Shillong. 11. Head, Department of Chemistry, NEHU, Shillong. 12. Head, Department of Mathematics, NEHU, Shillong. 13. Head, Department of Physics, NEHU, Shillong. 14. Head, Department of English, NEHU, Shillong. 15. Head, Department of Khasi, NEHU, Shillong. 16. Head, Department of Linguistics, NEHU, Shillong. 17. Head, Department of Philosophy, NEHU, Shillong. 18. Head, Department of Education, NEHU, Shillong. 19. Head, Department of Hindi, NEHU, Shillong. 20. Head, Centre for Environmental Studies, NEHU, Shillong. 21. Head, Department of Statistics, NEHU, Shillong.
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22. Head, Centre for Cultural and Creative Studies, NEHU, Shillong.
23. Head, Computer Centre, NEHU, Shillong.
24. Head, Centre for Distance Education, NEHU, Shillong.
25. In-charge, Department of Commerce, NEHU, Shillong
26. In-charge, Department of SAIF, NEHU, Shillong.
27. Head of USIC, NEHU, Shillong.
28. Head, Department of English, NEHU, Tura Campus, Tura.
29. Head, Department of Garo, NEHU, Tura Campus, Tura.
30. Head, Department of Education, NEHU, Tura Campus, Tura.
31. Head, Department of Rural Development and Agricultural Production, NEHU, Tura Campus, Tura.

Librarian (Ex-Officio)

1. Librarian, NEHU, Shillong.

All Professors.

Department of Anthropology

1. Prof. T.B. Subba
2. Prof. Henry Lamin
3. Prof. J. Brouwer

Department of Biochemistry

1. Prof. R. Lalthantluanga
2. Prof. A.N. Rai
3. Prof. Ramesh Sharma
4. Prof. R.N. Sharan

Department of Botany

1. Prof. P. Tandon
2. Prof. H.N. Pandey

3. Prof. A.K. Mishra
4. Prof. N.K. Chrungoo

Department of Chemistry

1. Prof. M.K. Mahanti
2. Prof. K. Ismail
3. Prof. R.K. Poddar
4. Prof. B. Myrboh
5. Prof. R.H.D. Lyngdoh
6. Prof. R.A. Lal

Department of Economics

1. Prof. S.K. Mishra
2. Prof. N. Srivastav
3. Prof. E.D. Thomas
4. Prof. P. Nayak

Department of Education

1. Prof. (Mrs.) K.S. Lyngdoh
2. Prof. (Ms) A. Henia
3. Prof. N. B. Biswas
4. Prof. P.K. Gupta

Department of English

1. Prof. (Mrs) T. Ao
2. Prof. R.P. Sharma

Department of English, NEHU, Tura.

1. Prof. S. Ganguly

Department of Garo, Tura

1. Prof. C.R. Marak

Department of Geography

1. Prof. A.C. Mohapatra
2. Prof. R. Gopalakrishnan
3. Prof. Surendra Singh
4. Prof. B.S. Mipun
5. Prof. D.K. Nayak

Department of History.

1. Prof. J.B. Bhattacharjee
2. Prof. Imdad Hussain

Members of the Academic Council

3. Prof. D.R. Syiemlieh
4. Prof. (Mrs) M. Momin
5. Prof. (Mrs) M. Sharma
6. Prof. F. A. Qadri

Department of Hindi

1. Prof. V.K. Srivastava

Department of Khasi.

1. Prof. (Ms) B. War

Department of Linguistics

1. Prof. (Miss) J. War

Department of Library & Information Science

1. Prof. A.S. Chandel
2. Prof. Veena Saraf

Department of Mathematics

1. Prof. S. S. Khare
2. Prof. M.B. Rege
3. Prof. S.K. Srivastava
4. Prof. H.K. Mukherjee

Department of Philosophy

1. Prof. C.R. Agera
2. Prof. Jagat Pal
3. Prof. B.K. Agarwala

Department of Physics

1. Prof. P. Shukla
2. Prof. K. Kumar
3. Prof. P.N. Pandita
4. Prof. M.K. Parida
5. Prof. Y.S. Jain
6. Prof. D.T. Khathing
7. Prof. B.M. Jyrwa
8. Prof. (Ms.) P. Nongkynrih
9. Prof. S. Kumar

Department of Political Science

1. Prof. R.L. Walli

2. Prof. A.K. Baruah
3. Prof. (Mrs) Rupa Borgohain
4. Prof. L.S. Gassah
5. Prof. B.J. Deb

Department of Sociology

1. Prof. C. Nunthara
2. Prof. P.M. Chacko
3. Prof. N. Kumar
4. Prof. C.L. Imchen
5. Prof. T. Nongbri

Department of Zoology

1. Prof. (Mrs) V. Tandon
2. Prof. B.K. Sharma
3. Prof. B.B.P. Gupta
4. Prof. S.B. Prasad
5. Prof. N. Saha
6. Prof. B. Kharbuli
7. Prof. (Mrs) R.N.K. Horoo

Centre for Supportive Learning Systems

1. Prof. M.M. Singh
2. Prof. B.Lynden Laso

Centre for Environmental Studies

1. Prof. B.K. Tiwari

Centre for Cultural and Creative Studies.

1. Prof. (Mrs) H. Giri

S. A. I. F.

1. Prof. R.P. Bajpai

U.S.I.C.

1. Prof (Mrs) P.V. Koparkar

Principals of colleges

1. Shri L. Momin, Principal, Tura Law College, Tura, West Garo Hills.
2. Shri B. Laitphlang, Principal, Nongstoin College, Nongstoin, West Khasi Hills.

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3. Fr. V.A. Cyriac, Principal, Don Bosco College, Tura, West Garo Hills
4. Shri. S. Nongbri, Principal, Raid Laban College, Shillong.
5. Shri N.B. Gaire, Principal, Tikrikilla College, West Garo Hills.
6. Ms. C.W. Momin, Principal, College Teacher Education, Tura.

Five teachers of the University, NEHU, Shillong

1. Dr. R.C. Laloo, Reader, Department of Botany, NEHU, Shillong.
2. Dr. R. Sachdeva, on lien, Reader, Department of Linguistics, NEHU, Shillong.
3. Shri B.K. Gupta, Lecturer, Centre for Applied Statistics, NEHU, Shillong.
4. Shri R.S. Thakur, Department of English, NEHU, Tura Campus, Tura.

Four persons, not being employees of the University.

1. Prof. Arvind Kumar Sharma, Vice-Chancellor, Mizoram University.
2. Prof. Rupa Shah, Vice-Chancellor, SNDT Women's University, Mumbai.
3. Prof. K.B. Sinha, Director, Indian Statistical Institute, 203 BT Road Kolkata-700108.
4. Dr. M.R. Rao, Professor & Former Director, Indian Institute of Management, Bannerghatta Road, Bangalore-560076.

Six teachers of the colleges admitted to the Privileges of the University from Meghalaya.

1. Dr. Bipin Kumar Thakur, Mendipathar College, Mendipathar, East Garo Hills.

2. Dr. Wanwei Roy Kharlukhi, Synod College, Shillong.
3. Shri Abhijit Choudhury, St. Edmund's College, Shillong.
4. Dr.(Ms) Sharmila Das Talukdar, Women's College, Shillong.
5. Shri Louis Pyngrope, Lady Keane College, Shillong.
6. Shri Herbran Syiem, St. Anthony's College, Shillong.

Two Post-Graduate Students of the University (one from Science and one from Humanities and one Research Scholar).

1. Ms. Iwadala Passah, Department of Economics, NEHU, Shillong.
2. Mr. Panna Das, Department of Botany, NEHU, Shillong.

Research Scholar

1. Ms. Chaitali Bhattacharjee, Department of Biochemistry, NEHU, Shillong

Permanent Invitee(s)

1. Director, College Development Council, NEHU, Shillong.
2. Controller of Examinations, NEHU, Shillong.

Secretary (Ex-Officio)

Registrar, NEHU, Shillong.

OFFICERS OF THE UNIVERSITY

(According to NEHU Act, 1973 Section 10)

<i>The Chancellor</i>	Prof. André Bêteille
<i>The Vice-Chancellor</i>	Prof. Mrinal Miri
<i>The Pro-Vice-Chancellor</i>	Prof. S. S. Khare
<i>The Deans of Schools:</i>	
<i>School of Humanities and Education</i>	Prof. Temsula Ao
<i>School of Life Sciences</i>	Prof. R. Tluanga
<i>School of Physical Sciences</i>	Prof. M. K. Mahanti
<i>School of Social Sciences</i>	Prof. C. Nunthara
<i>School of Economics, Management and Information Sciences</i>	Prof. E. D. Thomas
<i>School of Human and Environmental Sciences</i>	Prof. S. Singh
<i>The Registrar</i>	Prof. D. T. Khathing
<i>The Finance Officer</i>	Shri J. Lhungdim

FINANCE DEPARTMENT

	Receipts		Payments
A. Non-Plan			
1. Grant received from UGC	40,38,15.26	Revenue Expenditure:	
2. Internal receipt	2,76,16.865	i. Salary	24,29,74.469
3. Reimbursement of salary For Plan expenditure	1,00,00.000	ii. Non-Salary	15,84,35,711
		iii. Capital	
		Expenditure	3,73,42,788
Total	44,14,32.133		43,87,52,968
B. Plan			
i) Grant received from UGC	6,85,00.000	i. Construction	5,64,97,117
ii) Other receipts	23,69.659	ii. Book/Equip.	60,08,305
Total	7,08,69.659		6,25,05,422
C. Research			
Government of India	4,29,80,091		4,50,68.258
UGC	82,26,211		1,15,52.413
CSIR	35,71,041		40,33.821
Other Funding Agencies	46,50,128		43,67.222
Fellowship	10,60,700		10,17.851
Misc.	56,368		9,877
Total	6,05,44,539		6,60,49.442
D. Scholarship/Endowment Etc.			
Scholarship	43,32,782		53,71,625
Endowment & Prizes	1,34,36,195		1,34,57,353
Total	7,83,13,516		8,48,78,420

Note: The difference between Total Receipts and Total Payments in each section will be balanced if the Opening Balance/Closing Balance is taken into account, which has not been projected above.

LIST OF AFFILIATED COLLEGES

Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
1.	St. Edmund's College, Laitumkhrab Shillong - 793003	Permanent	Deficit	-	-	1924	Degree (Arts, Science and Commerce)
2.	St. Anthony's College, Laitumkhrab, Shillong - 793003.	Permanent	Deficit	-	-	1934	Degree (Arts, Science, Commerce, BCA, Information Technology)
3.	Lady Keane's College, Shillong - 793001.	Permanent	Deficit	-	-	1935	Degree (Arts and Science)
4.	St. Mary's College, Laitumkhrab, Shillong - 793003.	Permanent	Deficit	-	-	1937	Degree (Arts, Science and BCA).
5.	Union Christian College, P.O. UCC - 793 122.	Permanent	Deficit	-	-	1952	Degree (Arts and Science)
6.	Shillong College, Shillong - 793003.	Permanent	Deficit	-	-	1956	Degree (Arts, Science, Commerce & BCA)
7.	Sankardev College, Laban, Shillong - 793004.	Permanent	Deficit	-	-	1962	Degree (Arts and Science)
8.	Shillong Law College, Dhanketi, Shillong-793001.	Temporary	Deficit	-	-	1964	L.L.B.
9.	College of Teacher Education (PGT), Boyce Road, Shillong - 793003.	Permanent	Deficit	-	Government	1964	B.ED.

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Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
10.	Synod College, Jaiaw, Shillong – 793002.	Permanent	Deficit	-	-	1965	Degree (Arts and Science)
11.	Kiang Nongbah Govt. College, Jowai-793150, Jaintia Hills.	Permanent	Deficit	-	Government	1967	Degree (Arts and Science)
12.	Tirot singh Memorial College, Mairang-793210, West Khasi Hills.	Permanent	-	Private	-	1987	Degree (Arts)
13.	Seng Khasi College, Jaiaw, Shillong – 793002.	Permanent	Deficit	-	-	1973	Degree (Arts)
14.	Raid Laban College, Laban, Shillong – 793004.	Permanent	Deficit	Private	-	1985	Degree (Arts, Science and Commerce)
15.	Ri-Bhoi College, Ri-Bhoi, Nongpoh, East Khasi Hills.	Permanent	Deficit	-	-	1986	Degree (Arts)
16.	Sngap Syiem College, Mawkyrwat, West Khasi Hills.	Permanent	-	Private	-	1986	Degree (Arts)
17.	Sohra College, Cherapunjee, East Khasi Hills.	Permanent	Deficit	Private	-	1986	Degree (Arts)
18.	Khat-Ar Doloi Law College, Jowai.	Temporary	Deficit	Private	-	1986	LL.B.

List of Affiliated Colleges

Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
19.	Nongstoin College, Nongstoin-793119, West Khasi Hills.	Permanent	Deficit	Private	-	1986	Degree (Arts)
20.	Shillong Commerce College, Laitumkhrach.	Permanent	Deficit	-	-	1986	Degree (Commerce)
21.	Women's College, Laitumkhrach, Shillong.	Permanent	-	Private	-	1987	Degree (Arts)
22.	Jaintia Eastern College, P.O. Khliehriat- 793200, Jaintia Hills.	Permanent	-	Private	-	1992	Degree (Arts)
23.	Nongtalang College, Nongtalang, Jaintia Hills.	Temporary	-	Private	-	1992	Degree (Arts)
24.	Bormanik College, 3 rd Mile, Upper Shillong, Kynton, Shillong – 793005.	Temporary	-	Private	-	1992	Degree (Arts)
25.	Bhudha Bhanu Saraswati College, Mawprem, Shillong – 793002.	Temporary	-	Private	-	1994	Degree (Arts)
26.	Morning Star College, Nongthymmai, Shillong.	Temporary	-	Private	-	1994	Degree (Arts)
27.	Bissau College, Mid-Land Compound, Jowai Road, Shillong-793003.	Temporary	-	Private	-	1996	Degree (Arts and Commerce)

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Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
28.	Umshyrpi College, Laban, Shillong.	Temporary	-	Private	-	1995	Degree (Arts)
29.	Greater Mawlai College, Mawlai, Shillong-793008.	Temporary	-	Private	-	1993	Degree (Arts)
30.	Mawsynram Border Area College, P.O. Mawsynram, East Khasi Hills.	Temporary	-	Private	-	1998	Degree (Arts)
31.	Nabon Synod College, Jaiaw, Shillong-793002.	Temporary	-	Private	-	1998	Degree (Arts)
32.	Thomas Jones Synod College, Jowai, Jaintia Hills.	Temporary	-	Private	-	1998	Degree (Arts)
33.	North East Adventist College, Thadlaskein, Jowai Road, Jaintia Hills.	Temporary	-	Private	-	1999	Degree (Arts)
34.	Shillong Engineering and Management College, Jorabat, Ri-Bhoi.	Temporary	-	Private	-	2004	Affiliation not yet granted
35.	Alpine College, Nongthymmai, Shillong – 793014.	Temporary	-	Private	-	1999	Affiliation not renewed.

List of Affiliated Colleges

Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
36.	Goodwill College, Nong-thymmai, Shillong-793014.	Temporary	-	Private	-	2000	Degree (Arts)
37.	St. Mary's College of Teacher's Education, Laitumkhrak, Shillong.	Temporary	-	Private	-	1937	B.Ed.
38.	St. Dominic College, Nong-thymmai, Dum Dum, Shillong.	Temporary	-	Private	-	1998	Degree (Arts)
39.	Tura Govt. College, Tura - 794 001, West Garo Hills.	Permanent	Deficit	-	Government	1958	Degree (Arts, Science and Commerce)
40.	Mendipathar College, P.O. Mendipathar, East Garo Hills.	Permanent	Deficit	-	-	1971	Degree (Arts)
41.	Acheng - Rangmanpa College, Mahendraganj, Garo Hills.	Temporary	-	Private	-	1986	Degree (Arts & Science)
42.	Don Bosco College, Tura - 794 002, West Garo Hills.	Permanent	Deficit	-	-	1987	Degree (Arts and Science)
43.	Tirikilla College, P.O. Tikrikilla-794 109, West Garo Hills.	Permanent	-	Private	-	1988	Degree (Arts)
44.	Kazi & Zaman College, New-Bhaitbari, West Garo Hills.	Temporary	-	Private	-	1992	Degree (Arts)

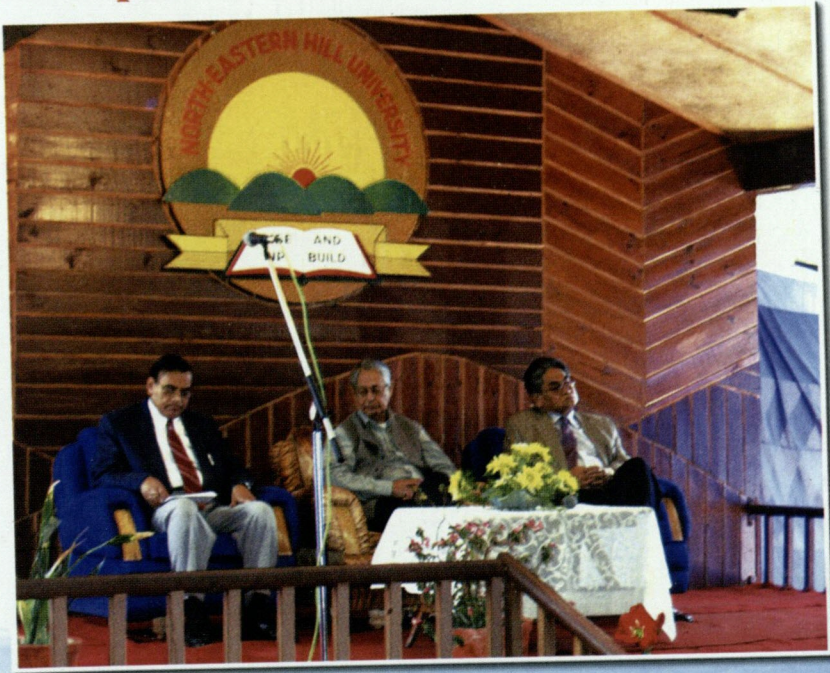
NEHU Annual Report 2004-2005

Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
45.	Durama College, Tura.	Temporary	-	-	-	1993	Degree (Arts)
46.	Capt. Williamson Memorial College, P.O. Baghmara – 794102, South Garo Hills.	Temporary	-	-	-	1994	Degree (Arts)
47.	College of Teacher Education, Tura - 794002, Rongkhon.	Temporary	Deficit	-	Government	1993	B.Ed.
48.	Tura Law College, Tura, West Garo Hills.	Temporary	-	Private	-	1975	L.L.B
49.	Ramsang College, William nagar, East Garo Hills.	Temporary	-	Private	-	2001	Degree (Arts)
50.	Williamnagar College, Will iamnagar, East Garo - Hills.	Temporary	-	Private	-	2001	Degree (Arts)
51.	Christian Academy College Pynthorbah, Shillong.	Temporary	-	Private	-	2001	Degree (Arts)
52.	Mawlai Presbyterian College, Mawlai, Shillong-793008.	Temporary	-	Private	-	2000	Degree (Arts)
53.	North Eastern Regional Institute of Science and Technology, Itanagar.	Temporary	-	-	-	1990	B.Tech.

List of Affiliated Colleges

Sl. No.	Name of the Colleges	Permanent or Temporary	Deficit	Private	Government	Year of Estd.	Level to which affiliated
54.	Phukan Memorial College, Dalu, Garo Hills.	Temporary	-	-	-	2001	Degree (Arts)
55.	K.L. Bajoria, Boyce Road, Shillong – 793003.	Temporary	-	Private	-	2004	Degree (Arts & Commerce)
56.	Don Bosco CTE, Tura.	Temporary	-	Private	-	2004	B.Ed.

Annual Report 2004-2005



Former Vice-Chancellor, Professor Mrinal Miri (right) and the Chancellor, Professor André Bêteille (centre) being felicitated by the university community on their getting the Padma Bhushan, one of the highest civilian awards in the country.

2003

2004

North-Eastern Hill University

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