

Project Report

Design of Database of Experts and Important Costly Research
Equipment of all the Institutes of NE Region

Sponsored by

**Department of Science and Technology
Technology Bhwan, Ne Mehrauli Road Road
New Delhi – 110 016**

Submitted by

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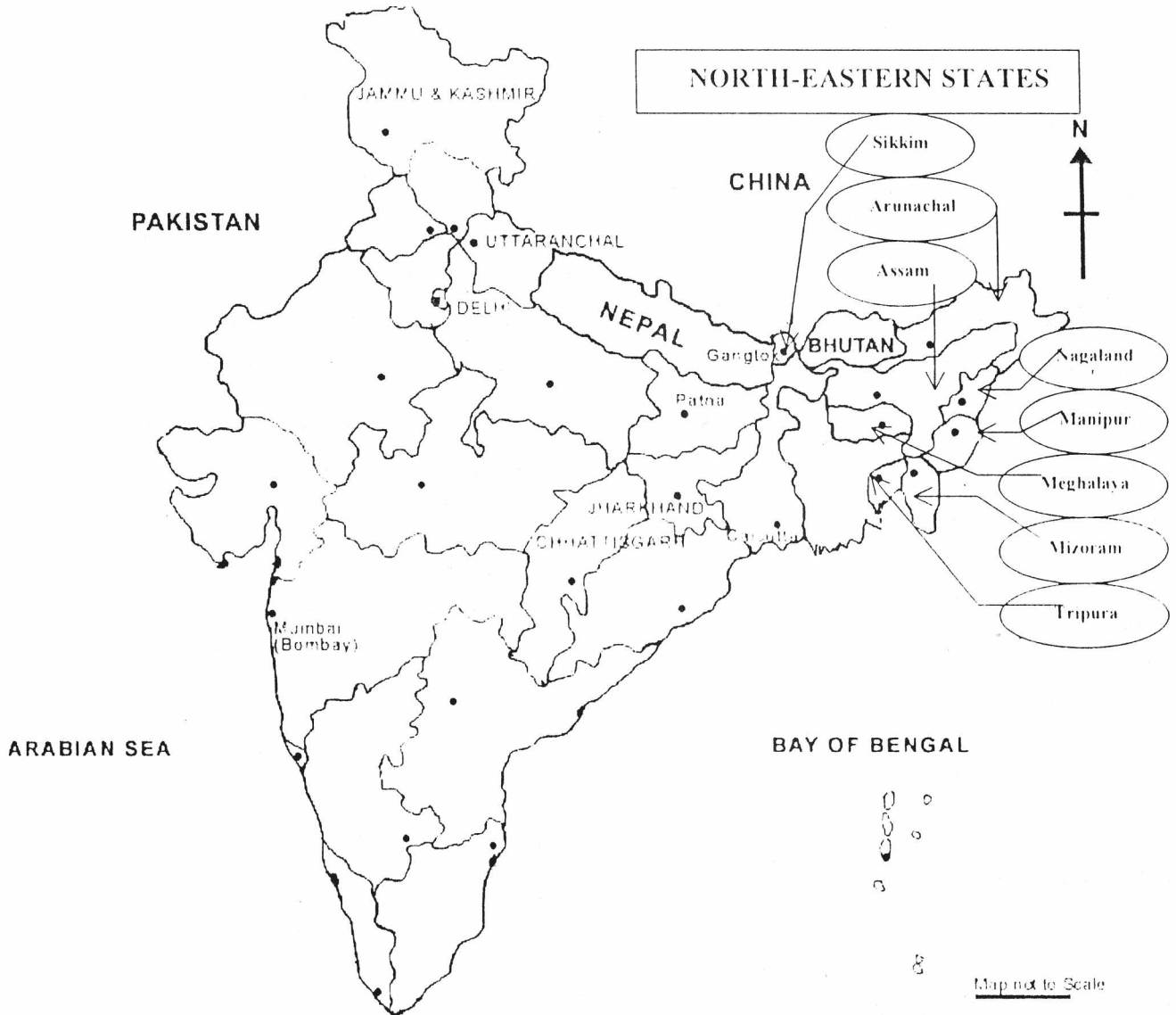
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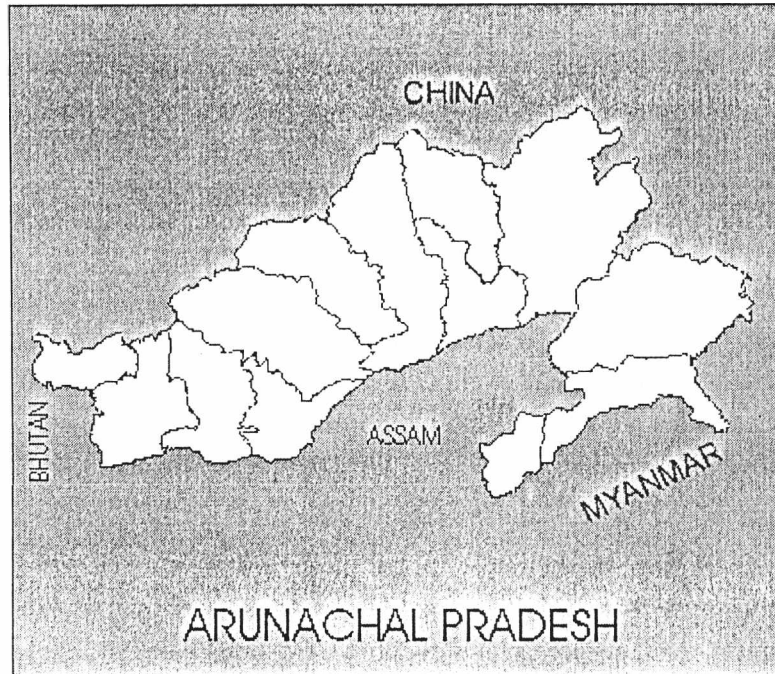
Objective

In order to enhance productivity in the era of research and development co-ordination among a group of scientists/engineers is very much essential for assimilation of knowledge, expertise information and data. It is often found that the scientists of a particular institute opt for discussion / guidance with scientists of other region, although the experts in a required field may be available in his/her own region. This is due to the fact of non- availability of the information. So a database of experts of the region may be an effective tool to scientists/engineers. The project aims to make locate the experts available in the NE region as well as the best use of the sophisticated equipments installed in the NE region. Users from anywhere can easily find the person through Internet and seek their advise/suggestion. Users need to use specialized equipments, can also seek the availability of such equipment and their use.

MAP OF INDIA



The State of Arunachal Pradesh



Recorded history of Arunachal Pradesh can be traced to the period when Ahom Kings began to rule Assam in the 16th century. The British took possession of Assam 1838. British Government had brought Arunachal Pradesh also under its administrative control. Originally known as the North East Frontier Agency (NEFA). It was placed under the administration of the Union Government in 1948. It was declared Union Territory under the name of Arunachal Pradesh on January 20, 1972. It became a full-fledged state on February 20, 1987.

Arunachal Pradesh is entirely mountainous except for thin strips of flat land most of which adjoin Assam. Dense forests cover more than two-third of the territory. The hydel potential is very high.

The population of Arunachal is predominantly tribal. All the tribes belong to Scheduled Tribes. According to the 1981 census, Scheduled Tribes formed 79% of population as against an average of 7% for the whole of India. There are about 20 major tribes, which are divided into sub-tribes. The principal tribes are: Adi, Nishi, Apatani, Mishmi, Khampti, Nocte, Wancho, Tangsha, Singpho, Monpa, Sherdukpen and Aka. These tribes speak their own tongues.

Institutes

- Arunachal University, Itanagar
- North Eastern Regional Institute of Science and Technology, Itanagar
- National Research Center on Yak, Dirang
- Arunachal Pradesh Krishi Vigyan Kendra, Basar

[\[Home\]](#) [\[Assam\]](#) [\[Manipur\]](#) [\[Meghalaya\]](#) [\[Mizoram\]](#) [\[Nagaland\]](#) [\[Sikkim\]](#) [\[Tripura\]](#)

Arunachal University, Itanagar

Arunachal University completed eighteen years of its existence on 31st March, 2002 and has acquired the distinction of being the premier institution of Arunachal Pradesh. Ever since its inception in 1984, the University has been trying to achieve excellence and fulfill the objectives envisaged in the University Act. The Campus of the University is located on Rono Hills, a picturesque tableland overlooking the river, Dikrong. It is 5.8 km away from National Highway No. 52-A leading to Itanagar, the state capital that is about 25 km away. The Campus is linked with Itanagar by a pedestrian bridge across the river Dikrong. A fair weather ferry service is also available for light vehicles for crossing the river. The University offers Degree Courses in Commerce, Science and Arts up to honors level and has achieved significant progress in academic activities. The University has also been catering to the educational needs of the neighboring areas of Assam, particularly at the postgraduate level. Meetings of the Boards of Studies in various disciplines were convened during the reporting year to suitably revise and update the content of the course. The University has also the distinction of having NET/JRF centre and a pre coaching training centre for preparing Civil Service.

- Arunachal University, Itanagar
- Various Department
- List of Experts
- Equipments Available

Various Departments:

- **Department of Education**
- **Department of Geography**
- **Department of Political Science**
- **Department of Botany**
- **Department of Economics**
- **Department of Commerce**
- **Department of English**
- **Department of History**
- **Department of Hindi**
- **Department of Zoology**
- **Department of Tribal Studies**

Experts in Various Departments:

Department of Education

Name	Designation	Qualification	Specialization
Dr. J.C.Soni	Professor	M.Sc. (maths) M.Ed., M.Phill Ph.D(Edn), Diploma In German and Russian	Teacher Education Logic and Futurology
Dr. K.C.Kapoor	Professor	M.Sc.(Geo), M.Phill, Ph.D	Education Technology, Measurement and Evaluation
Dr. A. K. Singh		Assistant Professor	
Dr. K.C.Sahoo	Sr. Lecturer	M.A(Edn), M.Phill, Ph.D	Environmental Education Philosophy, Psychology
Sri Rachob Taba	Sr. Lecturer	M.A.(Edn)	Adult and Non-formal Education. Rural Development
Sri J.Sahoo	Lecturer	M.A.(Edn) M.Phill	Advanced Edl. Psychology, Educational Technology
Sri R.Balakrishna	Lecturer.	M.A., M.Phill M.A. (History),	Educational Management, (Ancient History) M.Ed. Teaching History and Archaeology

Department of Geography

Name	Designation	Qualification	Specialization
Dr. R.S.Yadav	Assistant Professor	M.A., Ph.D P.G.Dip. in Remote Sensing	Applied Geography, Regional Planning, Remote Sensing
Dr. D.K.Choubey	Lecturer	M.A., Ph.D	
Dr. R.C.Joshi	Assistant Professor	M.A., Ph.D P.G.Dip. in Remote Sensing	Quantitative Geotectonic, Remote Sensing

Dr. Neshamani Kar	Sr. Lecturer	M.Sc., M.R.P. M.Phil	Bovine Economy, Regional Planning & Analysis Environment,
Dr. Tamo Riba	Sr. Lecturer	M.A.B.Ed., Ph.D	Applied Geomorphology, Environment, Climatology, Tribal Bleif Systems
Dr. S.K.Patnaik	Lecturer	M.Sc., M.Phil Ph.D	Geomorphology and Hydrology, Application of Remote Sensing
Dr. Anup Saikia	Lecturer	M.Sc., M.Phil, Ph.D	Regional Planning, Population Geogrophy

Department Of Political Science

Name		Designation	
Dr.A.C. Taludkar	Professor	M.A., Ph.D	Tribal Polites and grassroot politics
Dr. P.K.Panigrahi	Assistant Professor	M.A., Ph.D	State Politics in India
Dr.A.K.Singh	Asst.Prof.	M.A., M.Phil, Ph.D	International Politics
Dr. S. K.Pandey	Lecturer	M.A., M.Phil, Ph.D	International Politics
Mr. D.K.Singh	Lecturer	M.A., M.Phil	Third World Studies
Sri Pusa Tado	Sr. Lecturer	M.A.	
Sri.R.Manoj	Lecturer	M.A.	

Department Of Botany

Name	Designation	Qualification
Dr. A.K.Das	Asst.Prof.	Ph.D.
Dr. R.K.Singh	Asst.Prof.	Ph.D.
Dr. A.K.Mishra	Sr.Lecturer	Ph.D.
Dr. P.Dwiwedi	Sr.Lecturer	Ph.D.
Dr. S.P.Shukla	Lecturer	Ph.D.

Dr. A.K.Shukla	Lecturer	Ph.D.
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Department of Economics

Name	Designation	Qualification
Dr. Amitava Mitra	Asst.Prof.	M.A., Ph.D
Dr(Ms)Sanjukta Das	Sr. Lecturer	M.A., Ph.D
Dr(Ms.)Vandana Upadhayay,	Lecturer	M.A., Ph.D
Sri. Deepak Kr. Mishra	Lecturer	M.A., M.Phill
Sri S.K.Nayak	Sr. Lecturer	M.A., M.Phill
Dr. P.K.Kuri	Lecturer	M.A., Ph.D
Dr.N.C.Ray	Asst.Prof	M.A., Ph.D
Sri S.S.Pandiyan	Lecturer	M.A., M.Phill
Ms. Elizabeth	Lecturer	M.A., M.Phill
Sri P.K.Lhungdim	Lecturer	M.A., M.Phill

Department of Commerce

Name	Designation	Qualification
Dr. R.Tamuli	Asst. Prof.	M.A., Ph.D
Dr. A.P.Pati	Lecturer	M.A., Ph.D
Sri Gautam Dutta	Lecturer	M.A.
Sri P.Sharma	Lecturer	M.A.
Sri Tasi Kayo	Lecturer	M.A.

Department of English

Name	Designation	Qualification
Dr. B.N.Singh	Prof.	M.A., Ph.D
Dr. N.Nagraju	A.P	M.A., Ph.D.
Dr. Nagendra Kumar	Lect.	M.A., Ph.D
Sri Rashid Nehal	Sr. Lect.	M.A., M.Phill
Sri D.P.Nath	Lect.	M.A., M.Phill
Ms. N.Chakrabarty	Sr. Lect.	M.A.
Mr. Ashis Gupta	Lect.	M.A.

Department Of History

Name	Designation	Qualification
Dr. Tamo Mibang	Prof.	M.A., Ph.D
Dr. S.Dutta	Prof.	M.A., Ph.D
Dr. B.Tripathy	A.P.	M.A., Ph.D
Dr. J.L.Dawan	A.P.	M.A., Ph.D
Sri S.N.Singh	Sr. Lect.	
Dr. S.K.Singh	Sr. Lecturer	M.A., Ph.D
Dr. P.K.Mondal	Sr. Lecturer	M.A., Ph.D
Ms. S.Hilay	Lecturer	M.A.
Sri Tana Shouren	Lecturer	M.A.
Sri Asham Riddi	Lecturer	M.A.

Department of Hindi

Name	Designation	Qualification
Dr.S.S.Singh		Lecturer
Dr. (Ms)R.Diwedi		Lecturer
Dr. A.K.Nath		Asst.Prof.
Sri N.K.Pandey		Asst.Prof

Department Of Zoology

Name	Designation	Qualification
Dr.O.P.Singh	Prof.	
Dr. H.N.Sharma	Sr.Lecturer	
Dr.D.N.Das	Lecturer	
Dr. Sbhijeet Majumdar	Lecturer	
Dr.Rajnikant Misra	Lecturer	

Department of Tribal Studies

Name	Designation	Qualification
Dr.P.T.Abraham	Lecturer	
Sri.S.K.Chowdhury	Lecturer	
Dr.(Ms)S.S.Chowdhury	Sr.Lecturer	
Dr.M.C.Behera	Sr.Lecturer	

EQUIPMENT IN ARUNACHAL UNIVERSITY

Date of Installation	Name and Specification	Quantity	Installed on
30/09/1997	Projector-photophone overhead projector mark 3D with all accessories	8 Nos	Life Science
30/09/1997	Photophone Slidomatic 35AF slide projector with all linear Tray	5 Nos	Life Science
26/03/1992	Projection Screen 135 X 172 cms with Tripod stand large Deluxe	8 Nos	Life Science
21/01/1998	Computer (DST- project)-HCL-HP INFINITI 5M-133 Pentium @133Mhz/ 256 KB Cache,16Mb RAM, 1.44 micro floppy disc drive, IDE controller with 1 GB HDD, 2 Serial and 1 parallel ports, MS mouse with pad, 104 keys Keyboard & 420 MB CTD, PCI VGA 1MB VRAM (1024 X 768)b with 14inch SVGA color monitor, 500 VA CVT.	9 Nos	Deptt. of Commerce, History and Education
27/11/1998	Gestetner Copy Printer	9 Nos	Library
03/03/1999	Computer	6 Nos	Deptt.ofEducation, PoliticalScience,Hist-ory, Tribal-Studies and English
06/09/1999	Computer -Intel Pentium III, 450 Mhz, 64 MB SD-RAM / 6.3 GB HDD, 48X Multimedia Kit, 17" Color Monitor 56.6 WBPS Fax Modem, Win98 preinstalled ADP card with TV tuner card and 104 keys Keyboard.	6 Nos	VC, Registrar, COE, Deptt. of Zoology and Botany.
15/02/2000	Mirror Stretoscope/Parrellel Bar for Mirror Stretoscope and 13X Binocular.	5 Nos	Deptt. of Geography
21/06/2000	Xerox Machine (Modi) Model 5216 with Stabiliser	2 Nos	VC and COE

[Home] [Assam] [Manipur] [Meghalaya] [Mizoram] [Nagaland] [Sikkim] [Tripura]

NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY, Nirjuli, Itanagar

The Institute

The North Eastern Regional Institute of Science and Technology (NERIST) was setup by the Government of India, which initially was conceived as a project of the North Eastern Council, for providing a system of education to create technical manpower at various levels for the development of the North Eastern region of the country. Thus NERIST came to exist as a unique institute of its kind in the country having unconventional and innovative academic programmes. The approach is to encourage a policy for vocationalization at the 10+2 level and to allow only motivated students to go for the degree level while others go out of the Institute to enrich their profession with some years of industrial experience. At any future date if they decide to return to improve their qualification, they would be able to do so. From April 1, 1994, the institute is totally funded and directly controlled by Ministry of Human Resources and Development (MHRD), New Delhi. The institute is managed by a Board of Management comprising representatives of the MHRD, Govt. of India, and of the seven beneficiary states of the North Eastern region. The foundation stone of the Institute was laid by Shri Giani Zail Singh, the then President of India, on 4th March, 1984 and the first batch of students was admitted to the Base Module in August, 1986. By July 2000, nine batches of graduate with various specialization, viz., Agricultural Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering, Mechanical Engineering and Forestry, have come out.

The Institute is located in a picturesque valley at the foothills of the Eastern Himalayas and is situated at Nirjuli in the Papumpare district of Arunachal Pradesh, on National Highway 52-A between Banderdewa (which is the entry point to Arunachal Pradesh and is 10 km from Nirjuli) and Itanagar. It is about 19 km away from Itanagar, the capital complex of Arunachal Pradesh. Arunachal is the land of exotic orchids and lush green hills and provides an ideal setting for a seat of technical education with a backdrop of quiet and pristine surroundings. Located at a distance of 400 km from Guwahati, the Institute can be accessed by rail, road or air. Night Super Deluxe buses to and from Guwahati are available daily. Taxies can also be hired at Guwahati for coming to the Institute. An overnight train connects Harmuty (the nearest railway station at Assam and is 15 km ahead of NERIST) to Guwahati. NEPC Airlines operate flights thrice a week from Guwahati to Lilabari in Assam (45 km from NERIST). Pawan Hans provides a helicopter service 4 days a week. (Monday, Wed, Fri and Sun.) from Guwahati to Naharlagun (7 km from the Institute towards Itanagar).

Departments

Engineering Department

- Department of Agricultural Engineering
- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Electrical Engineering
- Department of Electronics and Communication Engineering
- Department of Mechanical Engineering

Science Departments

- Department of Applied Science
- Department of Chemistry
- Department of Humanities and Social Sciences
- Department of Mathematics
- Department of Physics

Other information

Department of Agriculture:

Agricultural Engineering is an interdisciplinary programme, comprising of specializations like Farm Machinery and power, Soil and Water Engineering, Irrigation and Drainage, Dairy and Food Engineering, Post Harvest Technology, Non Conventional Energy sources and Agricultural Science. The primary aim of this branch is to provide technologies to increase agricultural production and productivity through better management of land and water resources, appropriate use of more efficient agricultural machinery, better techniques of post harvest technology and improved methods of processing and preservation of food. Courses offered are accordingly designed keeping in view of the AICTE, ICAR norms. In addition, there are number of elective subjects from other sister disciplines. These enable students to specialise in areas of their interest. Laboratory facilities exist for conducting practical classes in all professional subjects.

The Department has a well-maintained computational laboratory with internet connection. Some of the laboratories are equipped with state of the art equipments like cut section of a tractor, micro bottling plant. Presently a sophisticated ergonomics laboratory is being developed. (Students of this discipline get an exposure to industry during their 50 days of industrial training in the prefinal year). Further, they get an opportunity to do research through a project, in the final year. The projects relate to live problem of the region as well as of industry and also other emerging areas.

Some of the recent topics in the fields of application of electronics in agriculture, environmental and soil erosion studies, use of local materials for seepage control, energy requirements in agriculture and ergonomics form an integral part of the curriculum. This helps students to develop their self-confidence to present technical matters and also to face interviews. Students passing out from the department are employed in government, semi government, non-government organizations, Tea Estates, Tractor and Machinery Industry, Food Processing industry and teaching and research organizations. The department plans to start P.G. Courses in future and provides consultancy and runs sponsored research projects on emerging areas of Agricultural Engineering.

Experts in the Department of Agricultural Engineering

Name	Designation	Qualification	Specialization
Barua	Gautam	LecturerPh.D	Drainage Engineering
Dabral.P.P.	Asst.Prof	Ph.D	Soil & Water Engineering
Yadav.L.S.	Asst.Prof	Ph.D	Farm Machinery and Power
Sahu, A.K.	Asst.Prof	Ph.D	Water Resources Development and Management
Dewagan, K.N.	Lecturer	M.Tech	Farm Machinery and

			Power
Hazarika.M.K	Lecturer	M.Tech	Dairy and Food Engineering
Srivastava.SK.	Sr. Lecturer	M.Tech	Soil and Water Conservation Engineering
Syamal.D.K	Lecturer	M.Tech	Post Harvest Process and

Equipment in Agricultural Engineering:

Farm Practice Laboratory –

Hot air ovens,

Rain gauges,

Water level/Stage recorders,

Drip irrigation sets,

Evaporimeters,

Infiltrimeters,

Discharge measuring devices,

Digital type depth measuring instruments,

Cambell sun shine water bath,

Orifices, weirs and notches etc.

Food Processing Laboratory –

Rice Moller,

Refrigerator,

Muffle furnance,

Sohlet Extraction Heater,

Infrared moisture meter,

Autoclave (horizontal and vertical),
Deep freezer,
Digital colorimeter,
Service Energy regulator Electronic Balance,
Test Sieve set,
Hand blower,
Hair Dyqrometer,
Refractometer,
Grain sample divider,
Flame photometer Water bath,
Vacuum oven,
Hot air oven,
Sling psychrometer
Tachometer etc.

Farm Machinery and Farm equipments Laboratory –

Tractor,
Cut Model of Tractor Petrol and Diesel engine,
Cut model of petrol and diesel engine ,
Pumps,
Indigenous plough,
Disk plough,
Disc harrow Blade harrow cultivator,
Seed Drill planters,

Sprayers

Duster Power thresher,

Power tillers,

Vertical conveyer reaper,

Transplanter,

Puddler,

Weeders,

Seed treatment machine

Compressor

Dairy Engineering Laboratory-

Flame Photometer,

Cream Separator,

Butter Churner,

Bottle filling machine,

Crown corking machine,

Hydraulic press

Department of Civil Engineering:

The department offers basic courses in structural Engineering, Soil Mechanics and Foundation Engineering, Environmental Engineering, Transportation Engineering, Surveying, Engineering Drawing and Drafting, Building Science, Town Planning, System's Approach in Civil Engineering, Strength of Materials, Estimation and Costing, Plastic Analysis and Design, Design of RCC and pre-stressed Concrete Structures. The Laboratories are well equipped with state of the art equipments. The department has its own Computer Laboratory, which enables the students to work on different modern softwares available, with Internet access. Projects are offered to the students keeping in view the requirements of the industry and recent developments in various fields of Civil Engineering.

Experts in the Department of Civil Engineering

Name	Designation	Qualification	Specialization
Baishya,	S Lecturer	M.E	Geotechnical Engineering
Gupta A.K.	Sr.Lecturer	Ph.D	Geotechnical Engineering
Gupta, S.K	Lecturer.	M.Tech	Industrial Engg. & Mgmt
John Siby	Asst.Prof.	Ph.D	Environmental Engg.
Kamaluddin	Sr. Lecturer	M.Sc	Structural Engineering
Mehta,P.K	Lecturer	Ph.D	Structural Engineering
Misra, S	Lecturer	M.E	Town Planning
Misra,S.S	Lecturer	M.Tech	Structures
Nagarjuna,P	Lecturer	M.Tech	Tranportation Engineering
Prasad,P.K	Lecturer.	M.Tech	Water Resources Engineering
Sahu,S.K Sr.	Lecturer.	M.Tech	Hydraulics and Water Resources Engineering
Singh H.P	Lecturer	M.E Soil	Mechanics and Foundation Engineering
Singh, R.P	Sr.Lecturer	Ph.D	Environmental Engg.
Singh, S.K	Prof.	Ph.D	Geotechnical Engineering

List of Equipment in the Department of Civil Engineering:

Material Testing Laboratory –

Compression Testing Machine,

Flexure Testing Machine,

Flow Table,

Slump Test Apparatus,

Vibrating Table,

Needle vibrator,

Compaction Factor Apparatus,

Vee Bee Consistometer,

Vicat Apparatus,

Standard Cone Penetration Apparatus,

Tile Flexure Testing Machine.

Highway Engineering Laboratory –

Impact testing machine,

Deval Attrition Testing machine,

Los Angeles' Abrasion Testing machine,

Marshall Test Apparatus,

Ductility Testing Apparatus,

Film stripping Devise,

Bitumen Extractor,

Standard Penetro-meter,

Ring and Ball apparatus,

Flash and Fire point apparatus.

Soil Mechanics Laboratory –

Triaxial Testing Machine for standard and large diameter samples,

Consolidation Apparatus,

Direct shear,

SPT equipment,

Permeameter,

Proctor, and IS moulds and Rammer Ovens,

Index properties Testing Apparatus,

Augers and samplers,

Hydraulic jacks,

Hydraulics and Irrigation Engineering Laboratory –

Hydraulic Bench,

Airflow Bench,

5-meter flow channel,

Hydrology Apparatus,

Centrifugal pump test apparatus

Universal Axial flow apparatus,

Universal Radial Flow apparatus, Permeability, Losses in pipes

Structure laboratory

Reaction of Beam apparatus,

Bending Moment Apparatus,

Shearing force apparatus,

Deflection of Beams apparatus,

Three hinged arches,
Two hinged parabolic Arch,
load fixing moments,
Maxwell Betti's theorem apparatus,
Muller Breaslau's End Moment apparatus.
Tension coefficient apparatus,
Critical load on struts,
Eccentrically loaded struts,
Elastic Beam Apparatus.

Surveying laboratory –

One-second theodolite,
Twenty Second Transient Theodolites,
Dumpy Levels,
IOP Levels,
Engineer's precision level,
Quick setting Dump Level,
Plane table with Telescopic Alidade,
Chains, Staves,
Planimeter.

Environmental Engineering Laboratory –

BOD Incubator,
Autoclaves PH meter,
Electrical conductivity meter,

Exhaust gas analyzer,
Water analysis Kit.
Photoelectric colorimeter,
Nepheloturbidimeter,
Kjeldahl digestion apparatus,
Bacteriological incubator,
Muffle furnace,
chlorine comparator,
magnetic stirrer.

Department of Computer Engineering:

The department of Computer Science and Engineering offers a unique combination of courses and projects that help its students to cope with the recent advancements in the computer information technology. It offers regular courses like Computer Organization, Data structures, Application softwares Operating systems, Discrete Mathematics, Digital Electronics, Microprocessors, Database Management system, Compiler Design Data Communications, Computer Networks, Design and Analysis of Algorithms to name a few of them. Apart from the regular courses a few of the important courses offered are Artificial Intelligence, VSNL Design, Image processing, Fault Tolerant Computing Information Theory, etc. The Department has well equipped laboratories with state of the art machines. The systems Laboratory is basically for working in UNIX environment equipped with servers and terminals. Though, one can also work in DOS and Windows platform. Hands on exposure to various programming Soft-wares such as c, C++, FORTRAN etc and RDBMS soft-wares like Oracle and SQL are available in this lab. The students are also given access to INTERNET and E-mail facility and are encouraged to do Computer Network related projects. The PC laboratory is well equipped with sophisticated present day computers. The students get exposure to various types of Application Softwares such as Visual Basic, Dbase, LOTUS, Visual C++, etc in this lab. Basic Computer training for the students of all the Departments of NERIST is also given here. Training in various types of Microprocessors and Computer hardware is imparted in Microprocessor Kits and hardware related equipment. It also has the facility for training in Digital Electronics, which is the basis of every Computer. The Projects are offered looking into the rapid advancements in the Computer Industry and Information technology. The students of the department carry out projects in fields like Computer Networks, Neural Networks, JAVA implementation, CORBA, COMODCOM, Cluster Computing in PVM platform, Website Development, parallel and Distributed Processing etc. The Department is a sub-center of IGNOU under Itanagar Center, for conducting Computer related courses like CIC DCO and BCA. It also holds short courses and seminars from time to time to keep the students and the

faculty members enlightened with the recent developments in the fields of Computers. Projects sponsored by external agencies (MHRD, AICTE) are also being carried out in the Department. At present two projects namely, 'Replacement of obsolete Computers with state of the art Machines' and 'Collimator Design for a Rotating Slant Hole' are in progress.

EXPERTS IN THE DEPARTMENT OF CIVIL ENGINEERING

Name	Designation	Qualification	Specialization
Borah, S.	Lecturer	B.Tech	
Choudhury,K	Lecturer	B.Tech	
Datta,Raja	Asst.Prof.	M.Tech	High Perf.Comp.
Kapang Legoh	Lecturer	B.Tech	
Mathing, N.	Lecturer	B.Tech	
Swapna Devi	Lecturer	M.Tech	Medical Imaging
Samanta,D	Lecturer	M.Tech	VLSI,Artificial Intellegence
Tuithung, T.	Lecturer	M.Tech	Image Processing

List of Equipment in the Department of Computer Science and Engineering

PC Laboratory –

Pentium III(866 MHz, 64 MB RAM, 20 GB HDD, CD ROM drive, celeron(300MHz, 32 MB RAM, 4.1 GB HDD), AMD-6(32 MB RAM, 4.1 GB HDD,

Deskjet 840 printer,

Dot-matrix printer,

8 port Hub,

CD Rewriter,

16 port 10/100Mbps HUB,

UPS(6KVA)

System Laboratory –

SUN ULTRA SPARC 10 S SERVER,

Pentium III(866 MHz, 128 MB RAM, 20 GB HDD, CD ROM drive, headphone),

Pentium(100Mhz, 16 MB RAM, 2.1 GB HDD), PCL Intel 486, LaserJet, Desk Jet 840 printer,

Dot-matrix printer,

AS/A4 Multipen Plotter 4100,

16 port Hub,

Scanner,

500VA UPS,

1KVA UPS,

6 KVA UPS,

External Modem 33.6 Kbps,

External CD ROM drive

Microprocessor and Hardware Laboratory –

Frequency counter 1 GHz,

Oscilloscope L & T

Analog Multimeter,
DC regulated power supply,

Digital IC Trainer,

Electronic Multimeter,

Functional Generator,

Audio Generator,

Pulse Generator,

Microprocessor Trainer Kit IMPACT,

Microprocessor Trainer Kit Star 85,
Microprocessor Kit 68 K,
Microprocessor Trainer Kit 6802,
Microprocessor Trainer Kit DYNA86,
Micro controller Kit DYNA 51,
STD Based Card for computer,
Servo controlled voltage stabilizer,
Isolation transformer,
Euro cleaner vacuum pump,
Bread board,
Bush monitor for 85 kit,
Colour TV,
PC intel 386 CPU,
LCD Data projector,
OHP,
A Studio-Visual trolley,
Projection screen etc.

Image Processing Cell –

Graphics Workstation(IBM INTELLISTATION MPRO),

Pentium III, 733 MHz, 128 MB RAM, 600 MHz, RD RAM, 2456 KB, L2 cache, 9.1 GB Ultra, 2 SCSI (7200) rpm Hard disk, Matrox G6400 (AGP with 16 MB). Windows NT 4.0 IBM PC 300 (800 MHz, 128 MB RAM, 20.4 GBHDD, 32 Bit 10/100 Mbps Ethernet Controller, Multimedia kit(including 50 X CD ROM drive, speaker and sound blaster cards), AGP graphics controller,

Xerox machine,

DeskJet 840 C printer,

scanner, CD Rewriter,

Digital Camera,

500 VAUPS,

1 KVA UPS,

LaserJet 1100

Software –

MSDOS 6.22,

LOTUS 123,

DBASE IV 1.0,

MSPASCAL,

WORDSTAR 6.0,

TURBO C++ 1.2,

FORTAN 77 6.0,

MS COBOL 3.0,

LEARNING SQL,

WINDOWS NT 4.0,

VISUAL STUDIO 5,

WINDOWS 95,

WINDOWS 2000,

MS OFFICE 2000,

MC AFEE ANTIVIRUS SOLARIS 7 OS(unlimited)

JAVA 1.1.7

LINUX 6.2 OS

Oracle 9 i,

MS SQL Server 7

MATLAB 5.3.1,

COREL DRAW ,

VISUAL STUDIO 6 ,

BORLAND C++ Builder Borland J Builder,

ORIGIN ,

LATEX,

REDHAT LINUX 7.1,

FORTRAN 90

Department of Electrical Engineering

The department of Electrical Engineering offers courses in the field of electrical machines, power systems, power electronics instrumentation, control systems, electromagnetic fields, networks theory, reliability and system engineering. The support facilities include electrical workshops, maintenance laboratory, machines laboratory, power system laboratory, power electronics laboratory, control systems laboratory and PC laboratory.

Some of the projects undertaken by the students are: Single Phase Load Frequency Controller for Micro Hydel Power Plants, Design of Robot with 3 DOFF's (i8085 based), Neural networks implementation study (in Electrical Power systems), Microprocessor based Vs Inverter for all motors, Design of power transformers. The curriculum provides in depth subject knowledge while seminars and training update the students to state of the art engineering and industrial practices. The students are made conversant with computers and microprocessors. The department plans to start 3 semesters P.G course in Energy Management Engineering from 2001-02 session. The department also provides consultancy services to industries in the area of energy management, energy audit, electrical hazards and safety measures etc. Currently three projects sponsored by MHRD are in progress in the department.

Experts in the Department of Electrical Engineering

Name	Designation	Qualification	Specialisation
Bhagat, S.K	Sr.Lecturer	M.Tech	Control System
Chatterjee,S.	Lecturer	M.E.	High Voltage
Chaturvedi,S.K	Sr.Lecturer	M.E	System Engineering Operation Research
Gao, Sarsing	Sr.Lecturer	M.E	Hydro-Electric
Isha, T.B Sr.	Lecturer	M.Tech	PowerElectronics
Kashyap,P.D	Asst.Prof.	M.E	Measurement and Instrumentation
Kumar,K	Professor	Ph.D	Power System Reliability
Mehta, R.K	Sr.Lecturer	M.Tech	Control Engg
Roy,O.P	Sr.Lect	M.Tech	Electric, Electronics and Microprocessor based Drives
Sarkar,P.	Sr.Lecturer	M.E.	Control and

			Instrumentation
Sasi,K.K	Asst.Prof.	Ph.D	Electrical Machines, Energy Management
Singh,R.P	Asst. Prof.	Ph.D	High Voltage Engineering
Singh,T.J.	Lecturer	M.Sc.(Engg)	Electric Drive and Automation
Thakur,T		Sr.Lecturer	

List of Equipment in the Department of Electrical Engineering

Electrical Machines laboratory –

Motor Generator set,

Photo Voltaic test rig,

Photo voltaic electric generator,

D. C. Generator, D. C. Compound Motor,

D.C. Compound Generator,

3-phase induction motor,

3-phase slip ring induction motor,

DC shunt motor,

DC series motor,

Universal motor,

Scan drive system for DC and AC drive speed control, function generator, Oscilloscope,

Power scope, Single phase induction motor and Thyristor control panel.

Measurement laboratory –

Wave analyzer,

			Instrumentation
Sasi,K.K	Asst.Prof.	Ph.D	Electrical Machines, Energy Management
Singh,R.P	Asst. Prof.	Ph.D	High Voltage Engineering
Singh,T.J.	Lecturer	M.Sc.(Engg)	Electric Drive and Automation
Thakur,T		Sr.Lecturer	

List of Equipment in the Department of Electrical Engineering

Electrical Machines laboratory –

Motor Generator set,

Photo Voltaic test rig,

Photo voltaic electric generator,

D. C. Generator, D. C. Compound Motor,

D.C. Compound Generator,

3-phase induction motor,

3-phase slip ring induction motor,

DC shunt motor,

DC series motor,

Universal motor,

Scan drive system for DC and AC drive speed control, function generator, Oscilloscope,

Power scope, Single phase induction motor and Thyristor control panel.

Measurement laboratory –

Wave analyzer,

Double Channel recorder,
C.R.O,
DC Power supply unit(0-300V),
DC Power supply(0-60 V) and
Storage adapter etc.

Power electronics laboratory –

EMMA Microcomputer,
Fast AD/DA Converter,
Motor Module,
Command Potentiometer,
LCR-Phase tester,
SCR Firing Unit,
Industrial Electronics Trainer and Oscilloscope,
Digital Storage Oscilloscope etc.

Control System Laboratory –

Oscilloscope,
Digital Storage Oscilloscope,
DC position servo Trainer Unit,
AC Servo motor speed/Torque,
DC motor speed control unit,
Magnetic Amplifier,
Synchro Transmitter and Receiver,
Experiment Controller Unit,

Digital ON-OFF temperature controller unit and experimental Bread Board System,
Training and development system for 8086,
PC based analog and digital motor control teaching set etc.

Power system Laboratory –

Distribution line simulator,
Power analyzer,
oil test set,
fault locator,
different types of Electromagnetic and static relays,
dielectric Purification plant etc.

PC laboratory –

30 PCs (15 IBM P-III, 933 MHz, 64 MB RAM, 20 GB and 15 HP, P-III, 866 MHz, 64 MB RAM, 20 GB) with internet and E-mail connection.

Department of Electronics and Communication Engineering

The department of Electronics and Communication Engineering offers a wide range of basic Electronics, Audio Video systems, Electronic Instrumentation Theory, Microwave Engineering, Antenna & Radar Engineering, Advanced Microprocessors and peripherals, Telecom Switching, Optical Communication, Computer Communication Networks, BOISDN, ATM, DSP etc. Stress is given on subjects like advance microprocessors, computer architecture, data communication, optical communication & DSP, Microwave, Antenna and Radar Engineering. The department has well equipped laboratories with modern equipment like spectrum analyzers, Radars, DSP equipments, advanced microprocessors, pneumatic control, EPABX & LAN's etc. The students get ample exposure to various application soft-wares e.g., Novolnet, Unix, C, C++, EPABX systems, Digital and Analogue Communication Kits, pulsed RADAR, Doppler Radar Experiments, Microwave Benches, DSP work stations, etc.

The projects offered encompass the recent advancements in the fields of IT, Microwave, Digital Communication and semiconductor Physics, e.g. Data & Computer Communication Networks, ATM Switching Fabric, GSM & Radio Networks, Non linear optics, Coherent Communications, passive and active Micro-strip Antenna & Devices, Speech Recognition, Digital Signal Processing and VSNL Design, Data acquisition systems etc. The department of Electronics Engineering has conducted several workshop, symposium.

Experts in the Department of Electronics and Communication Engineering

Name	Designation	Qualification	Specialisation
Anto, Babu P	Asst. Prof	Ph.D	Digital Systems
Hussain,Md.A	Asst.Prof	M.Tech	Microwave Engineering, Fiber Optic Integration
Mahanta,S	Senior Lecturer	M.Sc.(Engg)	Electronic Processing of Computers
Mal, A.K.	Lecturer	M.Tech	Optical Communication Semiconductor
Mishra,R.A.	Lecturer	M.E	Electronics and Control
Pattnaik,S.S.	Asst.Prof	Ph.D	Antenna Theory; Microwave and Optical
Rao,B.R.K.	Sr. Lecturer	Ph.D	Digital Techniques and Instrumentation
Sadhukhan,T.	Lecturer	M.Tech	Radio Physics & Electronics
Selveraj,R	Lecturer	M.E.	Microwave Optical

List of Equipments in Electronics and Telecommunication:

Audio and Video laboratory –

Colour TV/Radio trainer,

TV Camera,

PCB making system,

VCP and VCR trainer,

Fibre Optical audio and video links etc.

Circuit Measurement Laboratory –

Analog Kits,

IC Tester,

Meters,

4-trace CRO's,

Power Supplies

Communication Engineering Laboratory –

Microwave benches,

Digital Storage Oscilloscope

Source/spectrum Analyzer,

PCM DM Kits,

Fibre Optics System,

Digital Electronics Laboratory –

PC-ATs,

Printers, Plotter with UPS etc.

Microprocessor Kits and Computer addon cards for AD/DA, IEEE 488, Timer Card, etc., Logic Analyzer with 8085 and 480, Digital Trainer Kits, 20 to 100 MHz to 100 MHz CROs,

Frequency Counters,

Variable DC power supply 0-30V etc.

Instrumentation Laboratory –

Process control Equipments –

Ball and Hoop Apparatus

Coupled tank apparatus,

Coupled Electric Drive,

Model Process,

Controller,

Pneumatic process simulation,

Auto Transformer,

X-Y recorder,

Digital Tachometer,

Super Furnace,

DSP Cards and Trainer Kit, etc.

Microwave, Radar and Antenna Laboratory –

Spectrum Analyzer up to 21 GHz, etc.

Telegraphy and Telephony Laboratory –

Modem/EPBX/Procomm System, etc.

Department of Mechanical Engineering:

The Mechanical Engineering Department offers courses to train the base module students in the art of servicing, maintenance and trouble shooting, to impart enough supervisory skills to the diploma module students and to provide the degree module students with a sound knowledge in the subjects of engineering areas suitable for the current need of modern industries. The course curriculum for the degree module is at par with that of the premier institutions of the country. Moreover, laboratories and workshops are fully equipped with advanced imported equipments with numerically controlled machines, viz, FNS, Copier milling machine, wind tunnel, computer linked fluidized bed, vibration and noise control, computer controlled refrigeration and air conditioning equipments etc.. Major emphasis is laid on two-way traffic of industry institute relationship and frequent training and educational tours. For the degree module, the projects are offered in the advanced areas of Mechanical Engineering to get the students acquainted with the emerging research areas suitable for the industrial applications. A well-developed departmental computer centre caters to the requirements of the students. The department plans to start a 3-semester PG course in CAD and CAM. The department also provides consultancy services to the industries in the areas of ISO 9000, Total Quality Management, Zero Defect, Just In Time and On Condition Monitoring.

Two MHRD sponsored projects are currently running at the department. A Cyclone Refrigerator has been invented by the faculty members and students of the department. Indian patent application for the same has been filed. The department is developing a library and students activity cell of its own. Active research is going on at Post Graduate and doctoral levels. Students of this department have been awarded the prestigious I.N.A.E. (Indian National Academy of Engineering) Award for Best Thesis of the year 1999. Our students also bagged a number of prizes in technical paper writing contests all over India.

Experts in the Department of Mechanical Engineering

Name	Designation	Qualification	Specialization
Bose, D.	Asst. Prof.	Ph.D	Fluid Mechanics, Oil Hydraulics
C.sekharan M.	Lecturer	M.Tech	Production Engg. System Tech. (PEST)
Krishna, C.M	Lecturer	ME	Industrial Engineering and Management
Lahiri, P.K.	Asst. Prof	Ph.D	Thermal Science, Solar Energy
Lingfa, P	Lecturer	BE	
Mahato,S.	Lecturer	M.Tech.	CIDM
Mallick, A.	Lecturer	M.Tech	Applied Mechanics
Muralidhar, M.	Asst. Prof.	M.Tech	Foundry Engg.

Panigrahi,S.K.Lecturer		ME	Machine Design & Analysis
Puri, A.B.	Lecturer	ME	Production Engg.
Ray, S.	Senior Lecturer	ME	Fluid Mechanics and Hydraulics Engineering
Saha, U.K.	Lecturer	ME	Production Engineering
Srivastava,KK	Professor	Ph.D.	Thermal Science
Thaddeus,MP	Sr.Lecturer	M.Tech	Industrial Engg
Vittala, C.B.	Sr.Lecturer	Ph.D Roorkee)	Thermal Science

List of Equipment in the Department of Mechanical Engineering

Carpentry Shop –

Joiner Planner,

Circular Saw,

Wood Turning Lathes,

Vertical Band Saw,

Bench Grinder,

Portable Drilling Machine,

Vertsander,

Beltand Disc Sander,

Gid Saw Machine,

Mortising Machine,

Portable Drill Machine(6mm and 13mm),

Electrical Blower,

Orbital Sander,

Moisture meter and Drying, etc.

Fitting Shop & Sheet Metal Shop –

Radial Drilling Machine 32 HMP,

Column Drilling Machine 20,

Mechanical Power Press 20T Capacity,

Light duty Bench Drilling Machine,

Plate bending Machine Length 1250mm X 3mm thick,

Pipe Bending machine(heavy)

Forge Shop –

Forge hearth furnace,

Hand Saw,

Pedestal Grinders and Anvil Blocks 250 kgs., etc.

Heat Transfer Laboratory –

Fluidization and fluid bed heat transfer unit,

Thermal Conductivity of liquids and gasses unit,

Natural Convection and radiation apparatus,

Multipurpose air duct and

Computer linked boiling heat transferable unit, etc.

Industrial Engineering Laboratory –

VCR with remote control,

Video Camera and Colour TV with remote Control, etc.

Maintenance Shop –

Lathe Machines,

Pedestal grinder,

Lathe Machines(1330), etc.

Machine Shop –

Lathe Machine,

Surface Grinder,

Pedestal Grinder,

Radial Drilling Machine,

Horizontal Milling Machine,

Shaping Machine,

Power Hacksaw Machine and

Bench Grinder, etc.

Refrigeration and Air Conditioning and Thermal Engineering Laboratory –

Refrigeration test rig,

Vertex tube apparatus,

Air Compressor,

Air Conditioning test rig.,

Air Compressor test rig,

Cooling Tower Apparatus,

Refrigerator(165 L),

Gas Analyzer,

Refrigerator charging Board,

I.C. Engine test rig,

Vapour Jet refrigerator/heat pump,

Computer linked A/C Unit,
Computer linked refrigeration lab unit,
Diesel Engine, etc.

Welding and Smithy Shop –

Welding Transformer(Air Cooled),
Indarc Welding AC Transformer 300 ST(Oil Cooled),
Air Compressors 10 Kg/Cm ,
Heating furnaces 300 X 150 X 150 mm upto 1200,
Indarc Mini Welding Machine,
Welding Machine,
Welding Generator and
Portable Grinding Machine(3.6mm X 50mm), etc

Department of Applied Science

Experts in the Department of Applied Science

Name	Designation	Qualification	Specialization
Dr. Binay Singh	Asstt.Prof	Ph.D	Horticulture
Dr. (Mrs) P.Rethy	Asstt.Prof	Ph.D	Biosystematics
Dr. M.L.Khan	Asstt.Prof	Ph.D	Forestry Ecology
Dr. Uma Malkania	Asstt.Prof	Ph.D	Botany(Ecology)
Dr.(Mrs) P.P.Mary	Lecturer	Ph.D	Fish Microbiology
Dr. C.L.Sharma	Lecturer	Ph.D	Wood Technology
Dr.(Mrs) M.Sharma	Lecturer	Ph.D	Wood Technology

Dr. S.C.Tiwary	Lecturer	Ph.D	Plant Microbe Interaction
Dr. A.Arunachalam	Lecturer	Ph.D	Forestry Ecology and Management
Dr. G.Solanki	Lecturer	Ph.D	Ecology and wild Life
Mr. K.K.Sood	Lecturer	M.Sc.	Silviculture and Agroforestry
Dr K.Srivastava	Lecturer	Ph.D	Microbial Acrobiology
Dr. K.Arunachalam	Lecturer	Ph.D	Forestry Ecology

List of Equipment in the Department of Applied Science

Seed germinator,

Epidiascope,

Autoclave, Horizontal type,

Sheller Industrial Drying Oven,

Laminar flow Chamber,

Refrigerated Centrifuge,

B.O.D. Incubator,

High Speed Centrifuge,

Homogenizer,

Stereo Microscope,

Stereo Zoom Microscope with photographic attachment,

Muffle Furnace,

Flame Photometer,

FRP Rain-gauge,

Wind Van,

Open Pan Evaporation meter,

Steam Oven,

Micro-tome,
Sunshine Recorder,
Electronics Balance,
Binocular Microscope,
Projection Microscope,
Power Sprayer,
Sliding Micro tome,
Open Universal,
Circular Saw,
Deep Freeze ,
Leaf Area meter,
Stereo Microscope,
Research Microscope,
Sliding Micro tome(SM 2000 R),
Mist House,
Camping Equipment, etc.

Science Department

Apart from the seven engineering and applied science departments, the institute has

- ❖ Department of Chemistry
- ❖ Department of Humanities and Social Sciences
- ❖ Department of Mathematics
- ❖ Department of Physics

Department of Chemistry

The faculty members of the department are actively pursuing multi-dimensional research work including basic and applied aspects of Chemistry. The major field of research work are :

Inorganic Chemistry,
Physical Chemistry and
Inorganic Chemistry

Experts in the Department of Chemistry

Name	Designation	Qualification
Dr. M.Hussain	Prof. Ph.D	Synthetic Organic Chemistry
Dr. H.S.Yadav	Astt.Prof Ph.D	Inorganic Chemistry
Dr. R.L.Prasad	Astt.Prof Ph.D	Organic Chemistry Low Dimensional
Dr. P.K.Tripathi	Astt.Prof Ph.D	Organic Chemistry
Dr. M.F.Hussain	Astt.Prof Ph.D	Physical and Analytical Chemistry
Dr. K.D.Ram	Astt.Prof Ph.D	Physical Chemistry
Dr. A.K.Gupta	Lecturer Ph.D	Organic Chemistry
Dr. N.Deb	Lecturer Ph.D	Physical Chemistry
Dr. K.D.Mandal	Lecturer Ph.D	Physical Chemistry
Dr(Mrs)K.T.Kamal	Lecturer Ph.D	Organic Chemistry

List of Equipment in the Department of Chemistry

Electrometer,
Pentium III Computers with Printer,
Cryo container,
High Vacuum Spectrophotometer,
Multiline p4 Universal Pocketmeter for dissolved oxygen,
conductivity, pH & temperature measurement,
Pulse polarograph,
Turbidity meter Type-131 ,
LCR meter,
Four Probe set up,
Electromagnet and gauss meter,
High Vacuum coating unit,
Computer, single pan micro balance,
Computers(Pentium III IBM and HP Model),
UV/VIS spectrophotometer(Perkin-elmer), etc.

Department of Humanities and Social Sciences

The courses offered by this department are designed keeping in mind the historic development of students. Its objective is to include knowledge of language and issues related to financial and human resources management, and social transformations and progress. The department offers courses in four discipline, namely – English, Economics, Psychology, and Sociology.

The faculty members are actively involved in research activities and several sponsored research projects are under progress.

Experts in the Department of Humanities

Name	Specialization	Designation	Qualification
Dr. N.Upadhyay	Prof.	Ph.D	Sociology
Dr. R.M.Pant	Astt.Prof	Ph.D	Social science
Smt. Usha Sisodia	Lecturer	M.Phill	American Littrature
Sri R.Prasad	Lecturer	M.Phill	Indian English Fiction 7 Literary theory
Dr.B.D.Nayak	Lecturer	Ph.D	Rural, Agricultural and Tribal Development
Dr. S.Nithirajan	Lecturer	Ph.D	Rural Economics and Development
Dr. P.K.Parida	Lecturer	Ph.D	Organizational Behavior/ Management effectiveness
Dr. S.K.Tapasvi	Lecturer	Ph.D	Sustainable Rural Development Policy Analysis, Environment
Dr. S.Sinha	Lecturer	Ph.D	Information Integration theory Applied to the Judgment of Adaptors and innovators

List of Equipment in the Department of Humanities

Computer,
TV,
Over Head Projector

Department of Mathematics

The department has highly qualified faculty with a wide variety of specialization like Continuum Mathematics, Gas Dynamics and Mathematical Physics, Number theory, Complex Analysis, Approximation Theory, Graph theory, Operation Research, Discrete Mathematics etc. The department offers number of courses on the regular basis for the students at different level (Base, Diploma and Degree) of engineering and applied science streams.

Experts in the Department of Mathematics

Name	Specialisation	Designation	Qualification
Dr. J.Choubey	Prof.	Ph.D	Teory of Numbers
Dr. P.k.das	Prof	Ph.D	Graph Theory and Combinatory

Dr. S.K.Pandey	Astt.Prof	Ph.D	Continuum Mechanics Sub-Surface Flow
Dr. D.P.Datta	Astt.Prof	Ph.D	Mathematical Physics
Dr. A.S.Rai	Astt.Prof	Ph.D	Gasdynamics Shockwave, M.H.D.
Dr. L.K.Arora	Lecturer	Ph.D	Special Function
Dr. K.S.Singh	Lecturer	Ph.D	Approximation Theory
Dr. S.K.Misra	Lecturer	Ph.D	Projective Geometry and Algebra
Dr. B.K.Singh	Lecturer	Ph.D	Samling Technique

List of Equipment in the Department of Mathematics

P III based Computers,
Xerox Machine

Department of Physics

The field of specialization of Physics faculty cover a wide spectrum of experimental and theoretical Physics, viz X-ray diffraction, Polymer Physics, Plasma Physics, Experimental and Theoretical Physics, Liquid Crystals, solid State Ionics, Electronic Filters, Quantum Field Theory and Semiconductor Physics.

Experts in the Department of Physics

Name	Designation	Qualification	Specialization
Dr. R.Prasad	Prof.	Ph.D	Experimental Nuclear Physics
Dr. A.Chatterjee	Astt. Prof.	Ph.D	X-Ray, Crystallography
Dr. V.K.Dhar	Astt. Prof.	Ph.D	Polymer and Fiber Physics
Dr. P.R.Alapati	Astt. Prof.	Ph.D	Condensed Matter (Liquid Crystal)
Dr. M.Sen Gupta	Lecturer	Ph.D	Theoretical Nuclear Physics
Dr. S.A.Hashmi	Lecturer	Ph.D	Solid State Ionics
Dr. Sanjay	Lecturer	M.Sc.	Electronic Filters

Mr. Tado Karlo	Lecturer	Ph.D	Mathematical Foundation of quantum Mechanics
Dr. H.M.Upadhyay	Lecturer	Ph.D	Solid State Electronics and Solar Energy

List of Equipment in the Department of Physics

Impedance Analyzer

Polarizing microscope with heating and microphotography attachments,

Ultrasonic interferometer with 2 MHz Cell,

Light scattering experimental setup using a Laser, photodiode and an LCR meter,

Computer controlled LCR HI Tester,

X-Y-T recorder,

Computer controlled source measure unit,

Vacuum coating unit with electron-beam evaporation facility, etc.

X-ray Diffractometer

Differential Thermal Analyser

Carbon, Hydrogen, nitrogen, Sulphur and oxygen Determinator

Fourier Transform Infra Red Spectrophotometer etc

Other Information

INFORMATION ABOUT THE INSTITUTION

Name and Address: North Eastern Regional Institute of Science and
Technology, Nirjuli, Itanagar, Arunachal Pradesh

Telephone Nos. (0360) 257584 (O)
245094 (O)
257446 (O)
244307 (FAX) (O)
257872 (FAX) (O)

Name and designation of the Head of the Institution with residential and office Telephone numbers (with STD codes):

Director

Prof. A. L Verma,
Telephone Nos (0360) 257584 (O) 257444(R)
245094 (O) 245095(R) (FAX) (O) 244307

Type of Institution:

The Institute has been set up as an autonomous body, registered as a Society, and is fully funded by the Central Government through Ministry of Human Resource Development (MHRD) as a special Institution to offer courses on modular pattern to meet the specific requirements of North Eastern States of the country to provide trained manpower at all levels i.e. Certificate, Diploma, Degree and higher levels for faster economic development of the region.

Year of Establishment (Attach a copy of relevant Govt. Approval for establishment):

The Institute was established in 1985 on the recommendations of North Eastern Council, Ministry Of Home Affairs, Government of India, Shillong. A copy of MHRD letter no. F.25-1/81-T-5, dated 12.9.85 conveying the sanction is placed at Annexure – I, pp - 37-60.

Name of affiliating body with full postal address. Names and phone nos of the Vice-Chancellor and Registrar:

University:

North Eastern Hill University (NEHU), Shillong, Meghalaya, PIN-793022

Vice Chancellor

Prof. M. Miri, Tel. Nos. (0364) 250075(O), 250101(O), 250074(R), and FAX- 250076

Registrar

Prof. D.T. Khathing
Tel. Nos. (0364) 250067(O) 500554 (R),

Controller of Examinations

Dr. A Patton,
Tel. Nos (0364) 501948 (O) 250068 (R), FAX 501946 (O)

Academic Information

Academic Programmes being conducted: All the courses at NERIST are full time and residential. These courses have been duly approved by the AICTE and the copies of the notifications have been kept at Annexure –II pp – 61-77. The details of courses presently being offered are as follows:

Sl.NO.	Courses offered and their Duration (excluding Bridge Course)	Intake	Year of Starting
	CERTIFICATE COURSES (BASE MODULE) 2 yrs. after class X or equivalent qualification		
1.	Construction Technology Trades : (i) Draftsman (ii) Surveyor	30	1986
2	Maintenance Engineering (Mechanical) Trades : (i) Production (ii) Refrigeration and Air-conditioning (iii) Automobile Engineering (only two out of three are offered)	30	1986
3	Maintenance Engineering (Electrical) Trade : Electrician	30	1986
4	Maintenance Engineering (Electronics) Trade : Electronic Technician	30	1986
5	Agricultural Engineering Trades : (i) Food Processing (ii) Tractor Mechanic	30	1986
6	Forestry	30	1986
(B)	DIPLOMA COURSES 2yrs. after NERIST Certificate or 10+2 Vocational or 10+2 PCM		
1.	Agricultural Engineering	30	1988
2.	Civil Engineering	30	1988
3.	Computer Science & Engineering	30	1988
4.	Electrical Engineering	30	1988

5.	Electronics & Electrical Comm. Engineering	30	1988
6.	Mechanical Engineering	30	1988
(C)	DEGREE COURSES(E&T) 2 yrs. (plus Bridge Courses) after Diploma		
1.	Agricultural Engineering	30	1990
2.	Civil Engineering	30	1990
3.	Computer Science & Engineering	30	1990
4.	Electrical Engineering	30	1990
5.	Electronics & Comm. Engineering	30	1990
6.	Mechanical Engineering	30	1990
(D)	DEGREE COURSE (Applied Science Stream) 4 yrs. After NERIST Certificate or 10+2 PCB	Intake	Year of starting
	Forestry	30	1990

(E)	M.Tech. Courses ½ yrs. (3 semesters)		
1.	Information Technology	15	1996
2.	Environmental Sc. & Engineering	15	1996

(M.Tech Courses have been suspended with effect from 1998 due to technical difficulties relating to affiliation)

Research

The faculty of the Institute is actively involved in carrying out research under the scheme of sponsored projects. The department wise details are given in the following table:

Sponsored Research Projects completed in last 5 years :

Deptt.	Title of the Project	Funding Agency	Duration	Cost(Rs . in lacs)	Status of the Project
Physics	1)Synthesis & Characterization of liquid crystal material of Tr.metal complexes for electro chromic displays and photochemical conversion	DST	4 years	4.33	Completed 1998
	2) Study of electro optical properties of polymer dispersed liquid crystal. film prepared by PIPS method	TAWS, ITCH, Trieste, Italy	1½ years	US\$ 3000	Completed 1997-98
	3)Sodium Ion conducting	DST	4 years	7.75	Completed

	Polymer Electrolytes and applications in solid state rechargeable sodium batteries				1997-98
	4) Studies on Gel Electrolytes based Electrochemical Super capacitors	TAWS	1½ years	US\$ 4000	On going
	5) Molecular dynamics in some Ferro electric and model diametric liquid crystals	DST	3 years	33.50	On going
	6) Polymer electrolyte based Photo electro chemical solar cells	DST	3 years	14.02	On going
	7) Structure and phase s of shift base liquid crystal	CZAR	Years	7.50	Completed 2001
	8)Department of Super capacitor using polymer electrolytes with large area carbon and conducting polymer electrode	DST	3 years	10.75	On going
Chemistry	1) Heterobimetallic transition and non-transition metal complexes of 1,1 dithiolate: Synthesis, chracterization and determination of electrical properties	CSIR, New Delhi	3 yrs.	4.37	Completed 1998-99
	2) Studies on electronic properties of Valence compensated perovskite oxides synthesized by chemical route	CSIR, New Delhi	1year	5.00	Completed 1998-99
	3) Removal of heavy metals from industrial effluents using organic compound adsorbents	CSIR, New Delhi	3 years	3.81	Completed 1997-98
	4) Quasi-2 D materials: Synthesis, characterization and determination of solid state electrical conductance	MHRD, N/Delhi	1 year	5.00	On going

	transition metal complexes of 2(2-hydroxy phenyl) ethylidene dithiocarbamate				
	5) Potentials and kinetics of heavy metal load and self-purification power of Pachin river, Itanagar, A.P.	Min. of Env. & Forests	3 years	20.60	On going
	6) Studies on ox vanadium (IV) chemistry in mushrooms and macro cyclic co-ordination environment.	CSIR, New Delhi	3.8 years	7.45	Completed 2001
Mathematics	Nil				
Humanities & Social Sc.	1) Forestry and Economic Development of Indigenous Tribals of A.P.	Min. of Tribal Affairs, Govt. of India, N/Delhi	1 year	0.784	Completed 1997
	2) Role of co-operative Societies on tribal development in N.E. States	Min. of Social Justice and empowerment, Govt. of India, New Delhi	1 year	2.50	Completed 1998
	3) Impact of agricultural infrastructures of economic development of Arunachal Pradesh: A micro analysis	ICAR, N/Delhi	3 years	16.63	On going
	4) Basic needs approach to Rural tribal development	Min. of Tribal Affairs, Govt. of India, N/Delhi	1 year	2.50	On going
	5) Shifting cultivation & economic conditions of indigenous tribal of Raunchily Prudish: A case study of Pupumpare district	ICSSR, New Delhi	1 year	0.6825	On going

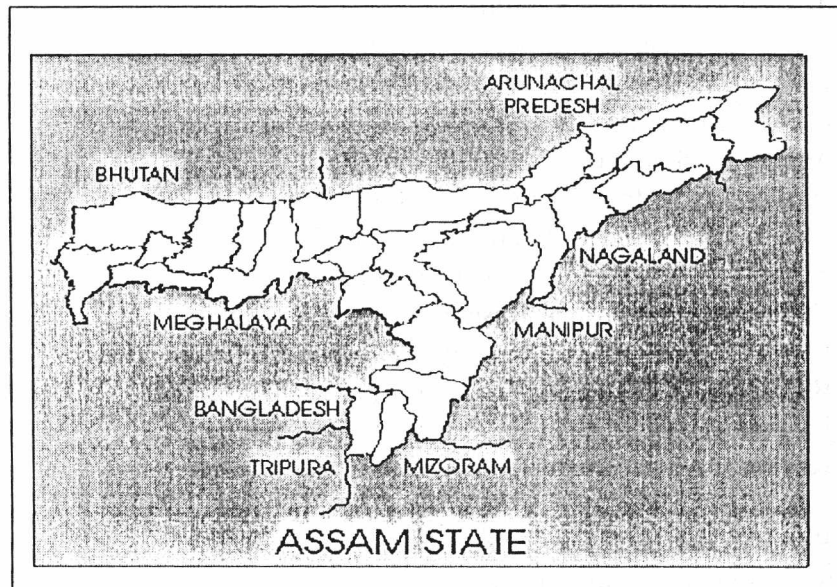
Agril. Engg.	1) General of economic data base on workers of N.E. region for efficient and safe design of agricultural machine	ICAR, New Delhi	2 years	16.73	On going
	2) Plants scheme for modernization and removal of obsolescence of laboratories and workshops	MHRD, New Delhi	1 year	10.00	On going
App.Sc.	1) Agro-Silvi Horticulture system as an appropriate pattern of land use for development of the hilly tracts of Arunachal Pradesh	GBPHED	3 years	4.45	Completed 1997
	2) Taxonomical studies of piper sp. Occurring in Arunachal Pradesh and adjoining area	DST, New Delhi	3 years	4.00	Completed 1999
	3) Seed dispersal, germination and fitness of seedlings of Rudraksh (Elaeocarpus garitrus)	-do	3years	8.89	Completed 1999
	4) Assessment and monitoring of soil degradation in humid tropics of Arunachal Pradesh using biological and biochemical	CSIR, New Delhi	3 years	3.50	Completed 1999
	5) Grants-in-aid Project for strengthening forestry education and research at the department of forestry	ICFRE, Dehradun	2 years	10.98	Completed 2000
	6) Impact assessment studies on the recent floods in and around NERIST Campus	Min. of Agri, Govt. of India	½ year	0.42	Completed 1999
	7) Impact of shifting cultivation and landslides on soil microbial biomass in forest ecosystems of Eastern Himalayas	ICFRE, Dehradun	3 years	4.55	Completed 2000
	CSIR, New	3 years	5.00	Completed	

8) Evaluation of microbial biomass in soil fertility management for sustainable productivity in hill agro ecosystems in Arunachal Pradesh	Delhi				2000
9) Evaluation of site specificity of Bamboos in Ecorestoration of degraded lowland forests of Arunachal Pradesh	DST, New Delhi	2 years	4.22		Completed 2000
10) Exploration of germplasm of bamboos and canes in N.E. India	ICAR (NATP), N/Delhi	4 years	5.30		On going
11) Inventory, biodiversity value status and strategies for conservation of sacred groves of Manipur	GBPIHED, Almora	3 years	4.63		-do-
12) Germplasm collection and establishment of germplasm bank of citrus species in Arunachal Pradesh	DST, N/Delhi	3 years	15.71		-do-
13) People-centered biodiversity management in Namdhapa National Park in Arunachal Pradesh	Mac Arthur Foundation, UNESCO, New Delhi	3 years	15.00		-do-
14) Studies on ecosystems dynamics of disturbed and undisturbed tropical rain forests of Arunachal Pradesh	Min. of Env. & Forest,	3 years	15.57		-do-
15) Evaluation and selection efficient strains of Frankia for sea buckthorn (HippophaweSp.) growing in Eastern Himalayas	Govt. of India, New Delhi	3 years	15.00		-do-
	DST, New Delhi	2 years	3.25		-do-
16) Strengthen the existing Botanical Garden at NERIST	Min. of Env. &	1 year	6.00		-do-

	17) In vitro regeneration of some endangered tree species of Arunachal Pradesh	Forest MHRD, Govt. of India, N/Delhi	3 years	5.69	-do-
	18) Impact of human activities on biodiversity and conservation strategies for Dibang Biosphere Reserve	Min. of Env. & Forests, Govt. of India, New Delhi	3 years	11.71	-do-
	19) An ecosystems level study on litter and below ground dynamics in Agro forestry and Home garden systems in and Arunachal Pradesh	ICAR, New Delhi	3 years	7.23	-do-
	20) Habitat evaluation and ecological studies on some wildlife species in Pakuni wildlife Sanctuary, Arunachal Pradesh	Min. of Env. & Forests			
Civil Engg.	1) Faculty for natural Disaster Management	Min. of Agril., Govt. of India, New Delhi		7.00	On going
	2) Modernization of Environmental Engineering lab. for testing of quality of water and waste water	MHRD, Govt. of India, New Delhi		9.00	-do-
Comp.Sc	1) Replacement of obsolete computers with state-of-the art machines (Development Project)	MHRD,Go vt. of India, New Delhi		7.00	On going
	2) Collimator design for a rotating slant hole (Research Project)	-do-		7.00	-do-
	3) Diagnosis of Artifacts in Cardiac images using ANN	-do-		6.50	-do-
Electrical Engg	1) Design and database Experts and important costly research	DST, New Delhi	3 years	4.48	On going

	equipment (accessible through network) of all Institute and N.E. Regions				
	2) Integrated System for Electrical Energy Conservation and Management with mixed Solar, Micro hydro, wind and Biomass Generator	MHRD, Govt. of India, New Delhi	2 years	10.00	-do-
	3) Modernization of Electrical Engg. Deptt. Laboratories	-do-	2 years	5.00	-do-
Electronic & Comm. Engg.	1) Design and development of software for smooth speedier operation and maintenance and design and development of Electronics and Telecommunication products and system in network environment	Min. of Information Technology, New Delhi		2.7+1.7	Completed 2000
	2) Study and analysis of radiation efficiency of ferrite based microstrip antenna inside Plasma medium	DST, Govt. of India		1.60	Completed
	3) A novel approach to efficient and uninterrupted mobile and wireless communication. In different cellular zones	MHRD, Govt. of India, New Delhi		8.00	On going
	4) An efficient and cost effective approach to use artificial neural networks for design of 3 rd generation wireless communication antennas	-do-		6.50	On going
Mech. Engg.	1) Modernization of Workshop	MHRD, Govt. of India	1 year	10.00	On going
	2) Thrust area research on turbo machines	-do-	2 years	2.00	On going

THE STATE OF ASSAM



It is believed that Assom is only the Anglicised version of 'Asom' – the name the Ahoms gave to the country, when they conquered it. In the 13th century, the country was conquered by the Ahoms under Sulapha, a prince of the Shan tribe, in the upper Irravaddy valley. On the partition of Bengal in 1905, Assom was united to the eastern districts of Bengal. On the partition of India (1947) almost the whole of the predominantly Muslim district of Sylhet was merged with East Pakistan, now Bangladesh. Dewanagiri in North of Kamarupa was ceded to Bhutan in 1951. Thereafter, Assom continued to lose territory and population step by step as Nagaland (1963), Meghalaya (1972), Mizoram (1987), and Arunachal Pradesh (1972) separated from it.

Assom, as it is today, may be divided into two important physical regions – The Barak valley and the Brahmaputra valley. Assom is dominated by Brahmaputra River. An ideal meeting ground for diverse races, Assom gave shelter to streams of human waves carrying with them distinct cultures and trends of civilization. Austro-Asiatic, Negritos, Dravidians, Alpines, Indo-Mongoloids, Tibeto-Burmese and Aryans penetrated into Assom through different routes and contributed in their own way towards the unique fusion of a new community which came to be known in later history as the Assamese.

Assom is rich in mineral wealth oil, coal, limestone, refractory clay, dolomite and natural gas. Tea is the major industry. Assom contributes 15.6% of world's tea production and 55% of the country's tea output. Assom is the first state in the country where oil was struck in 1889 at Digboi.

The Institutes

- Tezpur University, Tezpur
- Regional Research Laboratory, Tezpur
- Defense Research Laboratory, Tezpur
- Guwahati University
- Assam Agricultural University, Jorhat
- Indian Institute of Technology, Guwahati
- Assam University, Silchar
- North Eastern Regional Institute of Water and Land Management, Kaliabhomora.
- Regional Agricultural Research Station, Diphu
- Regional Agricultural Research Station, Shillong
- Regional Agricultural Research Station, Gossaigaon
- Regional Agricultural Research Station, Karimganj
- Regional Agricultural Research Station, Titabar
- River Research Laboratory, Buriahat
- Road Research Laboratory, Guwahati
- Soil Survey Division, Guwahati
- Sugarcane Research Station, Buralikson
- Dibrugarh University, Dibrugarh
- Pollution Control Board, Guwahati
- Central Muga & Eri Research Station, (MOTx)
- Regional Sericultural Research Station (MOTx)
- Assam Institute of Research for Tribal and Schedule Castes, Guwahati
- Brahmaputra Flood Control General and Investigation, Guwahati
- Citrus Research Station, Tinsukia
- Regional Medical Research Centre
- Central Muga & Eri Research Station, Titabar

Tezpur University, Tezpur:

❖ **Experts in Various Departments:**

Department of Chemical Sciences:

Name	Designation	Research Degree	Area of Work
Prof. S.K.Dolui	Prof. & Head	PhD. (IITK)	Polymers.
Dr. T.K. Maji	Reader	PhD. (Calcutta Univ.)	Polymers.
Dr. R.K. Dutta	Lecturer(M.Sc,GU)	PhD .(N.E.H.U.)	Surfactant.
Dr. N.S .Islam	Lecturer (MSc. NEHU)	PhD .(N.E.H.U.)	Co-ordination Inorganic Chemistry.
Mr. N .Karak	Lecturer(Msc.&M.tech IITk)	Phd. (IITK)	Polymers

Department of Information Technology:

Name	Designation	Research Degree	Area of Work
M. Dutta	Professor	Ph.D (IITK)	Abstract Harmonic Analysis, Linear Programming In Super computers.
Sri Shyamanta	Lecturer(M.Tech IITK)	-	Qualitative
Sri Moni Hazarika			Reasoning, Robot Grasping.
Sri Bhogeshwar	Lecturer (M.S BITSP)	-	Automatic Theorem proving

Department of Computer Science:

Name	Designation	Research Degree	Area of Work
Dr. D.K. Saikia	Prof. & Head	Phd. (IIT)	Parallel Processing Distributed Systems.

Dr. R.K. Das	Reader	Phd. (ISI,Calcutta)	Parallel Processing,
Dr. S.K. Sinha	Lecturer(M.Sc,GU)	-	System Security.
Dr.D.K. Bhattacharya	Lecturer	Phd.. (T.U.)	Modeling, Data Security, Multimedia
Mr. S . Saharia	Lecturer(MCA,DU)	-	Image Processing
Mr. S. I. Singh	Lecturer(MCA, MU)	-	Agents.
Mr. U. Sharma	Lecturer(BITSP)	-	NLP

Department of Electronics:

Name	Designation	Research Degree	Area of Work
Prof. P.K. Brahma	Prof. (M.S., Univ of California)	-	Integrated Circuit.
Mr. M. Bhuyan	Reader(M.Tech IITK)	Phd.Thesis Submitted	Instrumentation.
Mr. P.P. Sahu	Reader(M.Tech IITD)	-	Communication..
Mr. S. Bhattacharya	Lecturer(Msc , DU)	Phd.Thesis Submitted	Microwave

Department of Mathematical Sciences:

Name	Designation	Research Degree	Area of Work
Prof.(Dr.) A.K. Borkakati	Professor	Dibrugarh Univ	Fluid Mechanics
Dr. M. Borah	Reader (M.Tech IITK)	Gauhati Univ	Statistics Optimization Pattern Recognition Simulation.
Dr. B. Dubey.	Lecturer (IITK)	IITK	Mathematical Modeling

Sri B.P. Sharma	Lecturer	-	Theoretical Physics.
Sri D. Hazarika	Lecturer	-	General Topology.
Sri N. Deka Baruah	Lecturer	-	Number Topology.
Ms. Munmun Hazarika	Lecturer	-	Operator Theory.
Dr. Kishore K. Das.	Lecturer	Gauhati Univ	Multivariate Analysis & Comp. Prog. Dist.

Department of Molecular Biology and Biotechnology:

Name	Designation	Research Degree	Area of Work
Dr. A.K. Borgohain	Reader & Head	Ph.D	Plant Molecular biology.
Dr. N. Singh	Reader (MSc in Biochemistry)	Ph.D	Biochemistry
Sri B.J . Sarmah	Lecturer(MSc in Biochemistry)	Regd. for Ph.D	Plant Molecular biology.
Dr. A.K . Mukherjee	Lecturer(MSc in Biochemistry.	Ph.D	Snake Venom Biochemistry
Dr. R.S. Mishra	Lecturer(MSc in Biochemistry)	Ph.D	Microbial Biochemistry.
Sri P.K. Bag	Lecturer(MSc in Biochemistry)	Ph.D	Immunology.
Ms. Munmun	Lecturer	-	Operator Theory. Hazarika
Dr. Kishore K. Das.	Lecturer	Gauhati Univ	Multivariate Ana. & Comp. Prog.D..

Department of Physics:

Name	Designation	Research Degree	Area of Work
Prof. A. Choudhary.	Professor	Ph.D(Univ.Of Oxford)	Quantum Electronics,Laser physics, Condensed Matter Physics.
Dr. Jayanta K. Sarma	Lecturer	Ph.D(G.U.)	Theoretical High Energy Physics
Dr. Nidhi S. Bhattacharya	Lecturer	Ph.D (Jamia Milia Islamia)	Microwave
Gazi Ameen Ahmed	Lecturer		Laser Physics
Nilakshi Das	Lecturer		Plasma Physics
Dambarudhar Mohanta	Lecturer		Solid State
Kishor Kr. Baruah.	Laboratory Supervisor		Opto-Electronics, Instrumentation

Department of Management:

Name	Designation	Research Degree	Area of Work
Prof.M.C. Bora	Professor	Ph.D (IIT,Khg)	Systems, OM
Dr. G. Singalah	Reader	Ph.D (Utkal Univ.)	HRM
Sri B.N. Singh	Reader	HRM	
Dr. C. Goswami	Lecturer	Ph.D(G.U.)	Finance
Sri M.K. Sarma	Lecturer		Marketing
Sri S.S. Sarkar	Lecturer		Finance
Sri C. Goswami	Lecturer		HRM
Mrs. P. Baruah	Lecturer		Systems.

Sri T. Sarmah Lecturer

Department of Energy:

Name	Designation	Research Degree	Area of Work
Dr. D. Konwer	Professor & Head	Ph.D , P.D.F	Fossil fuel, Energy biomass ,Waste Management, Environmental science
Shri D. Deka	Lecturer (MSc -Agril Bio chem)		Bio-Energy, Environmental Science.
Sri Sadhan Mahapatra -	Lecturer(MSc Physics, M.tech- Energy Sc. & Tech)		Solar Energy, wind Energy, Energy Management & Conservation Energy Planning.

Department of English:

Name	Designation	Research Degree	Area of Work
Dr M.M. Sarmai	Professor & Head	(Ph.D), Dibrugarh Univ	ELT, Linguistics, Literature in English
Ms. M. Borbora	Sr. Scale Lecturer	M.Phil , CIEFL, Hyderabad	Linguistics In English
Mr. G.K. Borah	Lecturer	-	Linguistics In English
Mr. D. Mohapatra	Lecturer	-	Linguistics In English
Dr. A.K. James	Lecturer	Ph.D, CIEFL, Hyderabad	Literature in English

Department of Traditional Cultures and Art Forms:

Name	Designation	Research Degree	Area of Work
Dr. Birendranath Dutta	Professor	Ph.D, Gauhati Univ.	All Areas of Folklore, Performing & Visual art

Dr. Sunil Kr. Dutta	Reader	Ph.D, Vishwa Bharti &	Assamese Language Literature
Smt. Madhurima Goswami	Lecturer	-	Poetics(Indian)
Sri Parmesh Dutta	Lecturer		Advanced Social & Cultural Anthropology.
Sri Chandan Kr. Sarmah	Lecturer	M.Phil	Various Aspects Of Social Changes & Development

Regional Research Laboratory, Tezpur:

❖ Experts in Regional Research Laboratory:

Name	Qualification	Specialisation
Dr. JS Sandhu	M.Sc, Ph.D,	Org. chemistry, Drugs and pharma. FNA
Dr. DC Goswami	M.Sc, Ph.D	Nuclear physics, ASINP, R&D planning and management
Dr. CN Saikia	Ph.D(chem)	Pulp and paper, specialty papers
Dr. JN Nigam	B.Sc(Tech),Ph.D	Biochem, Enzymology
BC Borthakur	BE Civil Engg.	Soil mechanics and foundn Engg.
Dr. PC Borthakur	M.SC, Ph.D	Inorg chem, Silicon and silicates
Dr. KV Rao AP Baruah	M.Sc, Ph.D B.Tech, MS	Org chem, Polymer chem chem engg, process devp
HP Sarma	BEI(First) Chem engg	Process design and devp
KP Singh	M.Tech chem engg	Process design and devp
Dr. MVD Sitaram	M.Sc(Tech),Ph.D	Geophysics, Seismology

MK Roy	M.Sc, Ph.D	Microbiology, Microbial genetics
DK Dutta	BE Mech engg	Drawing and design
PC Goswami	M.Tech Power system engg	Design elect power
Dr. RS Singh	M.Sc Agri, Ph.D	Crop science, Med and eco plants
Dr. JCS Katoky	M.Sc, Ph.D	Org chem, Drugs and pharma
Dr. N Borthakur	M.Sc, Ph.D	Org Chem, Pesticides
Dr.RN Baruah	M.Sc, Ph.D	Org Chem., Nat Prod Chem.
Dr.TC Sarmah	M.Sc, Agronomy	Med and Eco plants
Dr.RK Sarmah	M.Sc,Ph.D	Physiology,Med and Eco plants
Dr.PB Kanjilal	M.Sc,Ph.D	Agronomy,Med and Eco Plants
Dr.P.C.Tamuly	M.Sc,Geology	Industrial Liason
RC Srivastava	B.Sc,M.Tech	Process devp
Dr.NC Dey	M.Sc,Ph.D	Anal.Chem,Solution Chem
Dr.RC Baruah	M.Sc,Ph.D	Org.Chem,Heterocyclic Chemistry
Dr.SN Choudhury	M.Sc,Ph.D	Agronomy,Med and Eco plants
Br.BN Saha	M.Sc,Ph.D	Agronomy,Crop Science
Dr.A.Barua	M.Sc,Ph.D	Physiology,Med and Eco plants
Dr.NC Baruah	M.Sc,Ph.D	Org.Chem,Nat Prod Chem.
Dr.BK Gogoi	M.Sc,Ph.D	Microbial Chemistry,Enzymology
Dr.BG Unni	B.Sc,AMIE (Chem Engg.)	Coal Tech,Inorg.Chem
Dr.A Borthakur	M.Sc,Ph.D	Org.Chem,Petro Additives
AK Hazarika	M.Sc,Physical Chem.	Gas Chromatography

NC Gogoi	BE(Chem. Engg.)	Process Design and Devp.
Dr.NN.Dutta	M.Sc,Ph.D, Chem.Engg.	Process Design and Devp.
R.Druarah	M.Tech, Applied Geo.	Seism tectonics
Dr.BP.Misra	M.Sc (Agri),Ph.D	Agronomy,Crop Production
Dr.RK.Adhikari	Ph.D	Pathology,Mushroom Tech.
W.Ahmed	M.Sc	Physics,Elect.and Inst.
Dr.BN.Goswami	M.Sc,Ph.D	Org.,Heterocyclic Chem
B.Baruah	M.Sc	Microbial,Biochemistry
Dr.(Ms)A.Sharma	M.Sc,Ph.D	Biochemistry,Microbiology
PK.Goswami	M.Tech., Chem.Engg	Dip Tech,Process Design and Devp
Dr.SC.Dutta	M.Sc,Ph.D	Org.Chem,Nat Prod Chem.
Dr.PR.Bhattacharya	M.Sc,Ph.D	Entomology,Toxicology
RC.Borah	M.Tech,Chem. Engg.	Coal Processing
P.Phukan	Be(Chem)	Process Design and Devp.
Dr.PK.Choudhury	M.Sc,Ph.D	Org.Chem Nat,Prod.Chem
Dr.SD.Baruah	M.Sc,Ph.D	Polymer Chem.Petro addit.
Dr.A.Goswami	M.Sc,Ph.D	Org.Chem,Organo Phos.Cmpd.
Dr.SC.Nath	M.Sc,Ph.D	Taxonomy, Ethnobotany
Dr.AK.Neog	M.Sc,	Physics, Elect.and Inst.
Dr.RK.Baruah	M.Sc,Ph.D	Sestrocopy, X-Ray Crystallography.
P.Sengupta	M.Sc	Inorg.Chem.Oil Field Chem.

Dr.D.Prajapati	M.Sc,Ph.D	Organic Chem,Drugs and Pharma
P.Barkakati	BE(Chem. Engg),AMIE	Speciality Cement
SC.Kalita	BE(Chem. Engg),AMIE	Specialty Cement
Dr.Paran.Baruah	M.Sc(Agri),Ph.D	Pathology, Med and Eco plants
Dr.(Ms)A.Goswami	M.Sc,Ph.D	Phy.Chemistry,Prop.Evaluation
Dr.L.Nath	M.Sc,Ph.D	Cytogenetics
Dr.D.Konwar	M.Sc	Org.Chem, Heterocyclic Chem.
Dr.PC.Sarmah	M.Sc,Ph.D	Physics,Elect.and Inst.
Dr.P.Kotoky	M.Sc,Ph.D	Appl.Geol., Seismotechnics
Dr.MC.Kakati	M.Sc,Ph.D	Statistics,Comp.Software Devp.
Dr.PC.Neog	M.Sc,Ph.D, ACIA(I)	R & D Planning and Mgt.
Dr.S.Mahuidin	M.Sc,Ph.D	Phy.Chemistry,Prop. Evaluation
Dr.RL.Bezbaruah	M.Sc,Ph.D	Biochem, Enzymology
Ms.A.Sengupta	M.Sc	Inorg chem, Gas chromato
Dr.JC.Sarma	M.Sc, Ph.D	Org chem, Nat prod chem
Dr.DK.Dutta	M.Sc, Ph.D	Inorg chem, Coordination chem
PK.Bora S.Munshi	M.Sc,Geology BE Chem engg, Dip Pet Tech	Dip Pet Tech, Petroleum Tech Process design and devp
Dr.PC.Sarma	M.Sc,Ph.D	Cytogenetics, Med and eco plants
Dr.TC.Bora	M.Sc,Ph.D	-----
Dr.G.Prasad	M.Sc,Ph.D	Phy.Chem.,Mass Spectroscopy
Dr.(Ms)M.Borthakur	M.Sc,Ph.D	Mycology, Tissue Culture

Dr. P Sarmah	M.Sc, Ph.D	Org chem, Nat prod chem
G Kakati Bayan	BE(civil engg)	Foundation engg
RL Goswami	M.Sc	Inorg chem, Oil field, chem
BC Saikia	M.Sc, Bio Science Inf & Lias.,	Tech.transfer services
Dr. Saurav Baruah	M.Sc, Ph.D	Physics, Seismology
Dr. MJ Bordoloi	M.Sc, Ph.D	Nat prod chem
Dr. Pranab Goswami	M.Sc, Ph.D	Biochemistry
Dr. DK Dutta	M.Sc, Ph.D	Drugs & pharmaceuticals
Dr. Nilima Saikia	M.Sc, Ph.D	
Dr. Tridev Goswami	B.Sc, M.ScI, Ph.D	
Bimola Baruah	B.Sc, AIC	
Huidrom Birkumar Singh	M.Sc. Botany	
JJ Bora	BEI(DU)	Mech engg Comp.process devp & design
Dr. PJ Bhuyan	M.Sc, Ph.D	Drugs & pharmaceuticals
Dr. Dilip kumar	M.Sc, Ph.D ,	PGPR Microbiology, Biotechnology
Hari P. Deka	M.Sc	Soil Microbiology
SB Wann	M.Sc	Biochemistry

List of Equipment in Regional Research Laboratory:

Serial Number	Name & Specification	Quantity	Installed at
1.	Polar meter	1 no.	Nat. Prod. chemistry Deptt.
2.	Differential scanning calorimeter	1 no.	Material Science Deptt.
3.	HP-3395 series III integrator	1 no.	Quality management Deptt.
4.	Julabo Ultra low refrigerated circulator	1 no.	Pilot plant
5.	Julabo microprocessor based refrigerated circulator	1 no.	Material Science Deptt.

6.	Magnetic stirrer	1 no.	Organic chemistry & Nat Prod chemistry Deptt.
6.	Rotavapor	1 no.	Drugs, Pet & Nat Gas, soil Deptt.
7.	Multidimensional UV-VIS spectrophotometer detection	1 no.	Analytical chemistry Deptt.
8.	D 7500 inkjet integrator	1 no.	Analytical chemistry Deptt.
9.	UV-VIS spectrophotometer	1 no.	MAterial science Deptt.
10.	UV 1601 PC Shimadzu double beam	1 no.	Analytical chemistry Deptt.
11.	Organic Chem.(NPCD), Perkin-Elmer 2400	1 no.	Organic chemistry Deptt.
12.	series II System, Elemental Analyzer	1 no.	Analytical chemistry Deptt.
13.	Rotavapour	7 Nos.	Organic Chem. Deptt.
14.	Spares for NMR	1 no.	Analytical chemistry Deptt.
15.	Spectrometer	1 no.	Organic Chemistry Deptt.
16.	Freeze dryer	1 no.	Organic chemistry Deptt.
17.	High Performance Thin Channel Filtration system	1 no.	Analytical chemistry Deptt.
18.	Fume Cup Board	1 no.	Analytical chemistry Deptt.
19.	UPS-3Kva	1 no.	Director Deptt.
20.	Laminated Binding Machine	1 no.	Pub.& Information Deptt.
21.	UV-Visible Spectrophotometer	1 no.	Biochemistry Deptt.
22.	FT NMR Spectrophotometer	1 no.	Biochemistry Deptt.
23.	Sorval Supersede Centrifuge	1 no.	Biochemistry Deptt.
24.	Mettler Electrode	1 no.	Biochemistry Deptt.
25.	Repl.Membrane solution polar	1 no.	Biochemistry Deptt.
26.	Anaerobic Laboratory System	1 no.	Biochemistry Deptt.
27.	Lyophiliser	1 no.	Biochemistry Deptt.
28.	Liquid Scintillation Counter	1 no.	Biochemistry Deptt.
29.	Software with Monitor for HPLC	1 no.	Natural Products Chemistry /Soil, Microbiology Deptt.
30.	Dewaxing/Deoiling Machine	1 no.	Petroleum and Natural GasDeptt.
31.	Universal testing Machine	1 no.	General Engineering/Applied Civil Engineering Deptt.
32.	CHNS/O Attachment to CHN Analyzer	1 no.	Nat.l Products Chemistry Deptt.
33.	Lathe Machine Centre Distance 1000 mm	1 no.	General Engineering Deptt.
34.	Short Path Distillation Machine Tool	1 no.	Petroleum and Natural Gas Deptt.
35.	Esquire LC/MS/MS/N	1 no.	Organic Chemistry Deptt.
36.	Iontrap Mass Spectrometer	1 no.	Natural Product Deptt.

37.	Preparative HPLC Model LC-8Q	1 no.	Natural Product Deptt.
38.	Primary 470 Base Unit FH-PIII@550 MHz	1 no.	Electronics and Instrumentation Deptt.
39.	Mettler Electronics Balance	1 no.	Organic Chemistry Deptt.
40.	5 KVA UPS	1 no.	Library Deptt.
41.	Universal Testing Machine	1 no.	General Engg & Applied Civil Engg. Deptt.
42.	Attachment for Sulphur Analysis	1 no.	Organic Chemistry (Natural Prods) Deptt.
43.	Wallac Liquid Scintillation	1 no.	Biochemistry Deptt.
44.	Economic Lyophilizer	1 no.	Library Deptt.
45.	Accessories for HPLC system	1 no.	Analytical Chem. Deptt.
46.	SPD Unit	1 no.	Pet. & Nat. Gas Deptt.
47.	De-waxing/Deoiling Machine	1 no.	Pet. & Nat. Gas Deptt.
48.	Lathe Machine centre	1 no.	General Engg. Deptt.
49.	5 KVA UPS	1 no.	Library Deptt.

Defence Research Laboratory, Tezpur:

❖ **list of experts in regional research laboratory:**

Name	Qualification	Grade
Mr: S.C. Das	M.Sc(Med. Entomology)	Scientist "F"
Mr. T.K. Das	M.Sc(Agri, Botany)	Scientist "E"
Mr. H.B. Das	M.Sc(Chemistry)	Scientist "E"
Mr. H.K.Gogoi	M.Sc(Botany, Biotechnology)	Scientist "D"
Dr. A.K. Samnigrahi	PH.d(Social Sciences)	Scientist "D"
Mr. D.C. Goswami	M.Sc(Chemistry)	Scientist "C"
Mr. P.K. Sarkar	M.Sc(Med. Entomology)	Scientist "C"
Mr. I. Baruah	M.Sc(Zoology, Med. Entomology)	Scientist "C"
Mr. S. Hazarika	M.Sc(Zoology, Med. Entomology)	Scientist "B"
Mr. D.R. Nath	M.Sc(Zoology,	Technical Officer "B"

	Herbal Repellant)	
Mr. N.G. Das	M.Sc(Med. Entomology)	Technical Officer "B"
Mrs. D. Das	B.Sc & Bachelor of Lib. Science	Technical Officer "B"
Mr. M.Bhuyian	M.Sc(Med. Entomology)	Technical Officer "B"
Mr. D.C. Chakraborty	M.Sc(Med. Entomology)	Technical Officer "B"
Mr. H. Kalita	M.Sc(Chemistry)	Technical Officer "B"
Mr. M.K. Sarmah	B.Sc(Hons.),Mushroom Cultivation Technique	Technical Officer "A"
Mr. J.C. Aich	B.Sc(Hons)	Technical Officer "A"
Mr. S. Daley	B.Sc(Hons,Non Conventional Energy Sources)	Technical Officer "A"
Mr. K. Choudhary	M.Sc(Botany, Biotechnology)	Technical Officer "A"
Mrs. P. Sarmah	B.Sc (Hons, Mushroom Cultivation Technique)	Technical Officer "A"
Mr. A.K. Das	M.Sc(Botany, Biotechnology)	Technical Officer "A"
Mr.P.K. Talukdar	M.Sc(Botany,Med. Entomology)	Technical Officer "A"
Mr. P.J. Gogoi	M.Sc(Botany, Biotechnology)	Technical Officer "A"

Indian Institute of Technology, Guwahati:

Department of Civil Engineering

Name	Designation
Prof. U.C Kalita	Prof.
Dr.Chandan Mahanta	Asst.Prof.

Prof. A Dasgupta	Prof.
Dr. Balesswar Singh	Prof.
Dr. Anjan Dutta	Asst. Professor
Dr. Sudip Talukdar.	Asst. Professor
Dr. V. Chandramouli	Asst. Lecturer
Dr. Arup Kumar Sarma	Asst. Professor
Dr. Sajal Kanti Deb.	Asst Professor
Dr. Mohammad Jawed	Vis. Asst. Professor
Dr. Arbind Kr. Singh	Asst Professor
Dr. Damodar Maity	Asst. Professor
Dr. R. R. Kalaga	Vis Asst. Professor

Department of Computer Science and Engineering

Prof. Gautam Barua.	Professor
Dr. Sukumar Nandi	Assoc. Professor
Dr. Sajith G.	Asst. Professor
Dr. S. B. Nair	Asst. Professor
Dr. Pradip Kr. Das.	Asst. Professor
Dr. S. V. Rao	Asst Professor
Dr. S. Chattopadhyay.	Asst. Professor

Department of Design:

Prof. S Nadkarni	Professor
Prof. K Ramachandran	Professor
Mr. Ravi Mokashi Punekar	Assoc. Professor
Mr. Anand James Dev	Asst. Professor

Dr. Debkumar Chakrabarty Assoc.Professor

Mr. Amarendra Kr. Das. Asst. Professor

Department of Electronic Communication Engineering

Dr. Anil Mahanta Professor

Dr. Prabin Kr. Bora. Assoc. Professor

Dr. Samarendra Dandapat. Asst. Professor

Dr. Indrajit Chakrabarti Asst. Professor

Dr. J.S Sahambi Asst. Professor

Mr.Utpal Barua. Asst.Professor

Dr. Debashis Ghosh Asst. Prof.

Dr. Somanath Majhi Asst. Prof.

Dr. Sunil P. Survaiya Asst. prof.

Dr. Chitralekha Mahanta Asst. Prof.

Dr. Harshal Bhalchandra Nemade Sr. Lecture

Department of Mechanical Engg.

Prof.A.D.Sahasrabudhe Prof.

Dr. Naresh K. Chandiramani Assoc. Prof.

Dr. Subash C. Mishra Assoc. Prof.

Dr. Anoop Kr. Dass Assoc. prof.

Dr. Anupam Dewan Assoc. Prof.

Dr. Rajiv Tiwari Asst. Prof.

Dr. P. S. Robi Assoc. Prof.

Dr. Uday Shankar Dixit Asst. Prof.

Dr. Manab Kr. Das	Asst. Prof.
Dr. K. Srinivasan	Asst. Prof.
Dr. S.V.Prabhu	Asst. Prof.
Dr. S.K. Dwivedy	Asst. Prof.
Dr. Debabrata Chakraborty	Asst. Prof.
Dr. U.K. Saha	Asst. Prof.
Dr. Sachindra Kakoty	Asst Prof.
Dr. Monmohan Pandey	Asst. prof.
Dr. Pinakeshwar Mahanta	Asst. prof.

Department of Chemistry

Prof. Mihir K. Chaudhuri	Prof.
Dr. J. B. Baruah	Assoc Prof.
Dr. A. Chattopadhyay	Assoc. Prof.
Dr. A.T. Khan	Asst. Prof.
Dr. Bhisma Kr. Patel	Asst. Prof.
Dr. R. Swaminathan.	Asst. Prof
Dr. Nikhil Guchhait	Asst. Prof.
Dr. Anumita Paul	Asst. Prof.
Dr. Manabendra Ray	Visiting Asst. Prof

Department of Humanity and Social Science

Dr. S.Barbora	Asst.Prof.
Dr. Archana Barua	Asst.Prof.
Dr. Krishna Barua	Asst. Prof.

Dr. Nachiketa Tripathi Asst. Prof.

Dr. Liza Das Asst. Prof.

Dr. Rohini Mokashi Punekar Asst. Prof.

Department of Maths

Dr. M. Bhattacharjee Assoc. Prof

Dr. R. Alam Asst. Prof.

Dr. D.C Dalal Asst Prof.

Dr. Swaroop Nandan Bora Sr. Lecturer

Dr. Rajen Kr. Sinha Sr. lecturer

Dr. M. Guru Prem Prasad Asst. Prof.

Dr.(Ms) N.V. Kalpakam Sr.Lecturer

Dr. Sukanta Pati Vis. Sr. Lecturer

Dr. Bhaba Kr. Sarma. Asst. Prof.

Department of Physics

Dr. S.Ghosh Asst. Prof.

Dr. P.Senthil Kumaran Asst. Prof.

Dr. A.Khare Asst. Prof.

Dr. C.Y. Kadolkar Asst. Prof.

Dr. A. Srinivasan Asst. Prof.

Dr. Malay Kr. Nandy Asst. prof.

Dr. S. Ravi Asst. Prof.

Dr.(Mrs.)Gargi Vishnoi Sr. lecturer

Dr. Pratima Agarwal Asst. Prof

Guwahati University, Guwahati:

❖ Experts in Guwahati University

Department of Anthropology:

Name	Designation
Dr.A.Charan Bhagabati,M.Sc.,Ph.D.	Professor
Dr.Abu Nisar Md. Irshad Ali, M.Sc.,Ph.D.	Professor
Dr. Harish Ch. Sarma, M.Sc.,Ph.D.	Professor
Dr. B. Choudhury, M.Sc.,Ph.D.	Professor
Dr. Birinchi Kr. Medhi, M.A.M.Sc.,Ph.D.	Reader
Dr. (Mrs.) Rekha Das M.Sc.,Ph.D.	Reader
Dr. (Mrs.)Rani Hazarika,M.Sc.Ph.D.	Reader
Dr. Dilip Kumar medhi, M.Sc.,Ph.D.	Reader
Shri S.K. Sinha,M.Sc.	Lecturer
Miss Mini Bhattacharyya,M.Sc.	Lecturer
Abdullah Ali Ashrat, M.Sc.	Lecturer
Dr. S. Roy, M.Sc.,Ph.D.	Curator

Department of Botany:

Name	Designation
Dr. Chmpaklal Baishya,M.Sc.,Ph.D.	Professor
Dr. Chandra Mohan Sarma,M.Sc.,Ph.D.	Professor
Dr. Sarada Kanta Sarma,M.Sc.,Ph.D.	Professor
Dr. Bipul Ch. Goswami,M.Sc.,Ph.D.	Professor
Dr. Chandra Kt. Baruah, M.Sc.,D.Phil.	Professor
Dr.Khagendra Nath Bora,M.Sc.,Ph.D.	Professor

Dr. Sailendra Pd. Borah, M.Sc.,Ph.D.	Reader
Dr. Sachindra Kr. Borthakur, M.Sc.,Ph.D.	Reader
Dr. Dhruva Kr. Jha, M.Sc. Ph.D.	Lecturer
Dr. Gajen Ch. Sarma,M.Sc.,Ph.D.	Curator

Department of Biotechnology:

Name	Designation
Dr. Soneswar Sarma, M.Sc.,Ph.D.	Professor
Dr. Guatam Bhoumik,M.Sc.,Ph.D.	Professor
Dr. Md. Giasuddin Ahmed,M.Sc.,Ph.D.	Reader
Dr. Arun Kumar Handique,M.Sc.,Ph.D.	Reader
Dr. (Miss) Rupjyoti Bharali,M.Sc.,Ph.D.	Lecturer
Sri Manab Deka,M.Sc.	Lecturer
Dr. Mohan Ch. Kalita,M.Sc.,Ph.D.	Lecturer
Dr. P.J. Handique,M.sc.,Ph.D.	Lecturer

Assam Agricultural University, Jorhat:

❖ Experts in Various Departments:

Department of Agronomy:

Name	Qualification	Designation
Kakoti N N	PhD	Professor
Baruah A R	PhD	Associate Director of Research
Barooah S R	PhD	Associate Professor
Sarmah N N	PhD	Associate Professor
Kalita M M	PhD	Associate Professor
Chaudhary A K	PhD	Associate Professor
Borgohain B	MSc	Agronomist
Borthakur M P	MSc	Agronomist
Sarmah N	M.ScAgr	Agronomist
Borgohain M N	PhD	Deputy Director of Research
Suhrawardin M J	M.ScAgr	Scientist
Sarmah B N	M.ScAgr,	Agronomist
Saharia P	M.ScAgr,	Agronomist
Thakur A C	PhD	Sr. Agronomist
Pathak A K	PhD	Agronomist
Dutta T C	M.ScAgr,	Agronomist
Paul S R	PhD	Scientist
Saikia L	PhD	Scientist
Saikia T	M.ScAgr,	Extension Specialist

Hydor A PhD, Extension Specialist

Department of Agricultural Chemistry and Social Science:

Name	Qualification	Designation
Dutta L	PhD	Professor
Nath A K	PhD	Professor
Chakravorty D N	PhD	Chief Scientist
Borthakur S N	PhD	Chief Scientist
Das M	PhD	Associate Professor
Bordoloi P K	PhD	Associate Professor
Sarkar C R	PhD	Associate Professor
Baruah T	PhD	Associate Professor
Talukdar H D	PhD	Microbiologist
Borah P K	PhD	Soil Scientist
Borthakur H P	PhD	Senior Soil Microbiologist
Sarmah B	PhD	Scientist
Bora R C	PhD	Associate Professor

Department of Agricultural Engineering:

Name	Qualification	Designation
Sarma S K	PhD	Agricultural Engineer
Neog P K	M.ScAgr,	Agricultural Engineer

Department of Agricultural Economics and Farm Management:

Name	Qualification	Designation
Bhomic B C	PhD	Scientist

Saikia Mrs A	PhD	Associate Professor
Baruah Miss B	PhD	Associate Professor
Talukdar K C	PhD	Associate Professor

Department of Animal Parasitology:

Name	Qualification	Designation
Lahkar B C	MSc	Associate Professor
Gogoi A R	PhD	Associate Professor
Hussain O	PhD	Associate Professor

Department of Animal Pathology:

Name	Qualification	Designation
Chaudhary B N	PhD	Professor
Dutta B M	PhD	Associate Professor
Mukit A	PhD	Associate Professor

Department of Animal Gynaecology:

Name	Qualification	Designation
Rajkonwar C K	PhD	Professor
Borgohain B N	PhD	Associate Professor

Department of Animal Production and Management:

Name	Qualification	Designation
Bora N N	PhD	Professor
Sarkar A B	PhD	Professor
Choudhury S D	PhD	Associate Professor
Das J N	MSc, PhD	Associate Professor

Hazarika D H	MSc	Associate Professor
Saikia S	PhD	Associate Professor
Rahman S M	MVSc	Associate Professor
Dutta K K	PhD	Associate Professor
Baruah N	MVSc, PhD,	Associate Professor
Deka A C	MVSc,	Associate Professor

Department of Anatomy and Histology:

Name	Qualification	Designation
Ahmed S	PhD	Professor
Bordoloi C C	PhD	Associate Professor
Bhatta M N	PhD	Associate Professor

Department of Animal Nutrition:

Name	Qualification	Designation
Saikia A	PhD	Professor
Das P C	PhD	Professor
Das D	PhD	Associate Professor

Department of Animal Physiology:

Name	Qualification	Designation
Talukdar S C	PhD	Professor
Chakravorty B N	PhD	Associate Professor
Baruah B	PhD	Associate Professor
Baruah R	MVSc,	Associate Professor
Borbuzari D C	MVSc, PhD	Associate Professor

Department of Animal Nutrition:

Name	Qualification	Designation
Saikia A	PhD	Professor
Das P C	PhD	Professor
Das D	PhD	Associate Professor

Department of Animal Breeding and Genetics:

Name	Qualification	Designation
Das D	PhD	Associate Professor
Bordoloi T	MVSc	Associate Professor

Department of Entomology, Nematology & Zoology:

Name	Qualification	Designation
Saharia D	PhD	Associate Professor
Khound J N	PhD	Entomologist
Dutta O K	PhD	Scientist
Borthakur M N	MscAgr,	Scientist
Dutta D N	PhD	Associate Professor
Rahaman M F	PhD	Associate Professor
Yien B R	PhD	Entomologist
Phukon P N	PhD	Nematologist
Rehman A	PhD	Entomologist
Bora B	PhD	Scientist

Department of Botany and Plant Pathology:

Name	Qualification	Designation
Addy S K	PhD	Professor
Saikia U N	PhD	Micrologist
Rathaijah Y	PhD	Pathologist
Dubey L N	PhD	Virus Pathologist
Dutta P	PhD	Scientist
Borman B	PhD	Scientist
Borthakur B K	PhD	Scientist
Saikia A	PhD	Associate Professor
Talukdar N C	MSc	Associate Professor
Devi Mrs S	PhD	Associate Professor
Chaudhary H D	PhD	Associate Professor
Roy A K	PhD	Chief Scientist

Department of Horticulture:

Name	Qualification	Designation
Baruah S	PhD	Professor
Chakraborty B K	PhD	Horticulturist
Sadeque A	PhD	Associate Professor
Bhatta R	PhD	Associate Professor
Dutta M N	PhD	Associate Professor
Mahon N K	PhD	Horticulturist
Medhi G	PhD	Horticulturist

Department of Plant Breeding and Genetics:

Name	Qualification	Designation
Hazarika M H	PhD	Professor
Das G R	PhD	Chief Scientist
Upadhaya L P	PhD	Chief Scientist
Deka P C	PhD	Associate Professor
Dutta D D	PhD	Associate Professor
Saikia A	PhD	Associate Professor
Medhi B N	PhD	Scientist
Duwara P K	PhD	Maize Breeder
Singh S N	PhD	Jute Breeder
Borthakur A K	MscAgr,	Scientist

Department of Pharmacology:

Name	Qualification	Designation
Das P.M	Ph.D	Profesor
Khanikar H N	M V.Sc,Ph.D	Associate Professor

Department of Extension Education:

Name	Qualification	Designation
Sodium Mrs S	M.Sc	Associate Professor
Gogoi D	PhD	Associate Professor
Kaur D	PhD	Associate Professor

Department of Veterinary Medicine:

Name	Qualification	Designation
Kalitha C C	Ph.D	Associate Professor
Dutta G N	PhD	Associate Professor
Bhatta A K	PhD	Associate Professor

Department of Microbiology:

Name	Qualification	Designation
Bora B R	MV.Sc.	Professor
Patgari	Mv.Sc,PhD	Associate Professor

Department of Child Management:

Name	Qualification	Designation
Phukon Mrs M	M.Sc	Associate Professor

Department of Statistics & Mathematics:

Name	Qualification	Designation
Bhatta B.K	PhD	Associate Professor
Saikia T	M.Sc	Associate Professor
Baruah A C	Ph.D	Associate Professor
Das U S	PhD	Statstician

Department of Surgery and Radiology:

Name	Qualification	Designation
Pathak S C	PhD	Professor
Gogoi S N	PhD	Associate Professor
Lahon D K	MVSc, PhD,	Associate Professor

Deka K N	MVSc,	Associate Professor
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Department of Tea Husbandary and Technology:

Name	Qualification	Designation
Neog AK	Ph.D	Assosiate Professor
Barah A R	Ph.D	Assosiate Professor
Bhatta P C	PhD	Associate Professor
Dutta A K	PhD	Associate Professor

Department of Physiology:

Name	Qualification	Designation
Dey S C	PhD	Professor
Chandra K	PhD	Crop Physiologist

Department of Production & Management:

Name	Qualification	Designation
Gogoi HK	Ph.D	Assosiate Professor

Department of Clothing and Textile:

Name	Qualification	Designation
Mozumdar Mrs L	M.Sc	Assosiate Professor
Gogoi Miss A	PhD	Associate Professor

Department of Physics & Metereology:

Name	Qualification	Designation
Bora LN	PhD	Associate Professor

Department of Home Management:

Name	Qualification	Designation
Padmakumari Miss KV		Assistant Professor
Pathak Mrs M		Assistant Professor

Department of Food and Nutrition:

Name	Qualification	Designation
Boruah Mrs B	M.Sc	Associate Professor
Koloth Mrs B	M.Sc	Associate Professor

North Eastern Regional Institute of Water & Land Management:**❖ Experts in North Eastern Regional Institute of Water and Land Management**

Name	Designation	Qualification
Dr.P.V.Seethapathi	Director	B.E(civil),M.Tech,Ph.D
Dr.S.C.Patra	Professor	B.Tech(Agri),M.Tech(Soil Water conservation Energy)
Dr.D.Debnath	Professor	B.Sc,M.Sc(Agri)Ph.D(Soil Science)
Dr.D.K.Singh	Professor(IFM)	B.E(Civil),M.E(Civil)
Sri A.C.Debnath	Asst.Professor	B.Tech(Agri),M.E.(Water use Mgt.)
Sri B.C.Nath	Asst.Professor	B.Sc(Agri),M.Sc(Agri)
Sri B.Dutta Asst.	Professor(ORE)	B.E(Civil),M.E(WSM and FC)
Sri A.K.Singh	Asst.Professor	B.Sc(Agri),M.Sc(Agri,Soil Science)
Sri U.M.Hazarika	Research Asst.	Agricultural Engg.

Sri M.Kusra	Research Asst.	Agricultural Engg.
Ms.A.Samir	Research Asst.	Agricultural Engg.
Sri A.Deka	Research Asst.	Agricultural Engg.

❖ **List of Equipment in N.E.R.I.I.W.M**

Name	Make	Installed at
Flame Photometer	Systronic Make	S.& Water Testing Lab
Conductivity Meter	Systronic Make	S.& Water Testing Lab
Electronic Balance (Analytical)	DHAUS (AS-129 Model)	S.& Water Testing Lab
Spectro-Photometer	Systronic Make	S.& Water Testing Lab
Photometer SQ 118	Emerck Make	S.& Water Testing Lab
Laboratory Stirrer with Speed Control.	JSGW Make	S.& Water Testing Lab
D.Distillation Plant (Automatic Electrically heated,Glass made)	JSGW Make	S.& Water Testing Lab
Laboratory Centrifuge	(2-2G) REMI Make	S.& Water Testing Lab
BOD Incubator	Colton Make	S.& Water Testing Lab
Bacteriological Incubator	Universal Make	S.& Water Testing Lab
Digital DO Meter	EI Make	S.& Water Testing Lab
Water & Soil analysis Kit	Electronic Make	S.& Water Testing Lab
Up base water quality analyser with accessories	Elico PE-136+GI 631	Irrigation Laboratory 10/08/2000
Infiltrometer (2 ft.outer dia),	AIC Agro	Irrigatioin Laboratory 10/08/2000

1.5 ft immersing

Water Level Recorder BFI,Guwahati Irrigation Laboratory 23/03/2001

Water Current Meter
(Propeller Type) IS-3981/1966 Irrigation Laboratory 23/03/2001

Water Level Indicator N.E. Chemicals(GHY) Irrigation Laboratory 21/01/2001
Self Recording Dellite Engineering, Roorkee Irrigation Laboratory

Rain Guage(Fibre body,clock operated)

DIBRUGARH UNIVERSITY

❖ Experts in Various Departments:

Department of Life Science:

Name	Qualification
Prof. (Mrs.) R. Handique	M.Sc(Gau), Ph.D, (Udaipur), DIC(London)
Prof. A.K. Rai	M.Sc(BHU) , Ph.D, (BHU)
Prof. R.N.S. Yadav	M.Sc(BHU) , Ph.D, (BHU)
Dr. L.R. Saikia	M.Sc(Dib) , Ph.D, (Dib)
Dr. M. Islam	M.Sc(Gau) , Ph.D, (Gau)
Dr. R. Samanta Dr. S.P. Biswas	M.Sc(Kalyani) , Ph.D, (Kalyani) M.Sc(JNU) , Ph.D, (NEHU)
Dr.(Ms.) D.S. Bora	M.Sc(Gau) , Ph.D, (Dib)
Sri B. Neog	M.Sc(Gau) , M.Phil. (Gau)
Prof. P.K. Barua	M.Sc(Gau) , Ph.D, (Dib)

Department of Mathematics:

Name	Qualification
Prof. M.S. Saroa	M.A (Punjab), Ph.D, (Dib)
Prof. B. Banerjee	M.Sc (Dib), Ph.D, (Dib)
Prof. G.C. Hazarika	M.Sc (Dib), Ph.D, (Dib)
Dr. A.K. Baruah	M.Sc (Dib), Ph.D, (Dib)
Dr. B.R. Sarmah	M.Sc (Dib), Ph.D, (Dib)
Dr. A.K. Ray	M.Sc (Cal), Ph.D, (Cal)
Sri P.N. Deka	M.Sc (Delhi)

Sri T. Ali M.Sc (Delhi)

Department of Petroleum Technology:

Name	Qualification
Prof.K.D. Gogoi	M.Tech(Dib), Ph.D, (Dib)
Sri R.S. Ladia	B.E(Dib), D.P.T(Dib), MIE(India)
Sri M.K. Choudhary	B.Sc(Ch Engg, BHU), D.P.T(Dib)
Dr. M. Das	M.Sc(Gau), D.P.T(Dib), Ph.D, (Dib)
Sri M.A. Choudhary	B.E(BITP), M.Sc(BITP)
Ms. S. Borgohain	B.E(Gau), M.Tech(Dib),D.P.T(Dib)

Department of Physics:

Name	Qualification
Prof. K.C. Boruah	M.Sc (Gau), Ph.D, (Pune)on lieu
Prof. G.D. Baruah	M.Sc (Gau), Ph.D, (BHU)
Prof. B. Baishya	M.Sc (Gau), Ph.D, (Manchester)
Prof. P. Mahanta	M.Sc (Delhi), Ph.D, (London), DIC(Imperial College)
Prof. A. Rajput	M.Sc (Delhi), Ph.D, (IIT , Madras)
Prof. A.N. Phukan	M.Sc (Gau), Ph.D, (Dib)
Prof. N.C. Sarmah	M.Sc (Dib), Ph.D, (Dib)
Prof. P.K. Bhuyian	M.Sc (Gau), Ph.D, (Kurukshetra)
Sri B.N. Saikia	M.Sc (Gau)
Dr.(Miss) K.L. Deori	M.Sc (Gau), PH.d (London)on lieu
Dr. S. Gogoi	M.Sc (Dib), Ph.D, (Dib)
Dr. S. Rai	M.Sc (Garhwal), Ph.D, (BHU)

Dr. S.B. Singh M.Sc (Manipur), Ph.D, (Manipur)

Sri P. Saikia M.Sc (Dib)

Department of Pharmaceutical Science:

Name	Qualification
Prof. L.K. Nath M.Pharma(Sagar),	PH.d(Jadavpur)
Sri A.K. Saikia	M.Sc(Dib)
Dr. A.K. Doloui M.Pharma(Sagar),	PH.d(Jadavpur)
Dr. S. Das	M.Pharma(BHU), Ph.D(Jadavpur)
Dr. S.K. Bhosh	M.Pharma(BIT), Ph.D(Jadavpur)
Sri D. Chetia M.Pharma(BIT)	
Sri A. Bhattacharya	M.Pharma(Jadavpur)

Department of Statistics:

Name	Qualification
Prof. S. Kakoti	M.Sc (Gau), Ph.D, (Dib)
Prof. C.K. Chetia	M.Sc (Gau), Ph.D, (Dib)
Prof. G. L. Srivastava	M.Sc (Gau), Ph.D, (Dib)
Dr. K. Dutta	M.Sc (Dib), Ph.D, (Dib)
Dr. H. Nr. Dutta	M.Sc (Dib), Ph.D, (Dib)
Dr.(Mrs.) S. Das	M.Sc (Gau), Ph.D, (Dib)
Dr. B.Gogoi	M.Sc (Dib), Ph.D, (Dib)
Dr. S.C. Kakoti	M.Sc (Gau), Ph.D, (Dib)
Mrs. M. Neog	M.Sc (Delhi)
Sri J. Hazarika	M.Sc (Dib)

Department of Political Science:

Name	Qualification
Prof. K.M. Deka	M.A (Gau), Ph.D, (Gau)
Prof M.N. Das	M.A (Gau), Ph.D, (Dib)
Prof. N.L. Dutta	M.A (Gau), Ph.D, (Dib)
Prof. A.N.S. Ahmed	M.A (Gau), Ph.D, (Gau) on lieu
Prof. G. Phukan	M.A (Dib), Ph.D, (Dib)
Dr. D. Bhagwati	M.A (Dib), Ph.D, (Dib)
Dr. T. Lahon	M.A (Dib), Ph.D, (Dib)
Dr. A.U. Yasin	M.A (Gau), M.Phil(JNU), Ph.D, (Dib)
Dr. R. Thapa	M.A (Dib), Ph.D, (Dib)
Mrs. M.D. Bhuyian	M.A (Dib), M.Phil(JNU)
Dr. A. Upadhayay	M.A (JNU), M.Phil(JNU), Ph.D, (JNU)
Mrs. A. Borgohain	M.A(Dib)

Deptment of Sociology:

Name	Qualification
Prof. M. Hussain	M.A.(Gau),M.S.(USA)M.Phil(USA), Ph.D, (USA)
Prof. B.N. Borthakur	M.A (Dib), Ph.D, (Dib)
Dr. C.K. Gogoi	M.A (Dib), Ph.D, (Dib)
Sri P.K. Bordoloi	M.A (Dib)
Sri S.C. Sarma	M.A (Dib)
Dr.(Mrs.) S.V. Borbora	M.A (Dib), Ph.D, (Dib)
Dr. J. Borbora	M.A (Dib), Ph.D, (Dib)

Dr. A.K. Borah M.A (Dib), Ph.D, (Dib)

Department of Commerce:

Name	Qualification
Prof. A.R.M. Rehman	M.Com(Gau), Ph.D, (Gau)
Dr.D.K. Pandiya	M.Com(Kanpur), Ph.D, (BHU)
Dr. P. Bezborah	M.Com(Dib), Ph.D, (Dib)
Dr. A. Saha	M.Com(Dib), Ph.D, (Gau)
Dr.(Mrs.) A.B. Rajkonwar	M.Com(Gau), Ph.D, (Dib)
Mr. S. Shah Singha	M.Com(Dib)
Sri U. Rajkonwar	M.Com(Gau)
Dr. A. Bhowal	M.Com(Dib), Ph.D, (Dib)

Department of Anthropology:

Name	Qualification
Prof. M. Ahmed Das	M.Sc (Gau), Ph.D, (Dib)
Prof. R.K. Kar	M.Sc (Dib), Ph.D, (Dib)
Prof.(Mrs.) I. Baruah	M.Sc (Gau), Ph.D, (Dib)
Dr. N.K. Gogoi	M.Sc (NEHU),M.Phil(NEHU), Ph.D, (NEHU)
Dr. S. Sengupta	M.Sc (Dib), Ph.D, (Gau)
Dr. H.C. Mahanta	M.Sc (Gau), Ph.D, (Gau)
Dr.(Mrs.) D.D. Das	M.Sc (Dib), Ph.D, (Dib)
Dr.(Mrs.) G. Begum	M.Sc (Gau), Ph.D, (Gau)
Dr. A.Kr. Das	M.Sc (Dib), Ph.D, (Dib)

Department of Applied Geology:**Name****Qualification**

Prof. T. Kakati	M.Sc (Gau),M.Sc (Canada), Ph.D, (Dib)
Prof. S.C. Goswami	M.Sc (Gau), Ph.D, (Dib)
Prof. J.N. Sarmah	M.Tech (Dib), Ph.D, (Dib)
Prof.(Ms.) K. Goswami	M.Sc (Gau), P.G.D.P.T(Dib), Ph.D, (Dib)
Dr. R. Borgohain	M.Sc (Gau), PH.d (Pune)
Dr. D. Mazumdar	M.Tech (Dib), M.Tech(ISM), Ph.D, (Dib)
Sri P. Bhattacharya	M.Tech (Dib)
Dr. U. Goswami	M.Tech(Dib), Ph.D, (Dib)
Dr. M. N. Dutta	M.Tech(Dib), D.P.T(Dib), Ph.D, (Dib)
Sri R.K. Sarmah	M.Tech(Dib)
Dr. P.K. Boruah	M.Tech(Dib), Ph.D, (Dib)
Sri S.K. Lahiri	M.Sc(ISM)

Department of Chemistry:**Name****Qualification**

Prof. I. Haque	M.Sc (Gau), Ph.D, (London),DIC(London)
Prof. N.N. Das	M.Sc (Gau), Ph.D, (London),DIC(London)
Prof. K.K. Das	M.Sc (Gau), Ph.D, (Gau)
Prof. T. Bora	M.Sc (Gau), Ph.D, (Dib)
Prof.(Ms.) S. Hussain	M.Sc (Gau), Ph.D, (Dib)
Dr. P.K. Gogoi	M.Sc (Dib), Ph.D, (IITB)
Dr.(Ms.) A. Dutta	M.Sc (Gau), Ph.D, (Dib)
Dr. S.K. Baruah	M.Sc (Dib), Ph.D, (Dib)

Dr. K.G. Sarmah	M.Sc (Gau), Ph.D, (Dib)
Ms. J.G. Handique	M.Sc (Gau)
Sri D.K. Dass	M.Sc (Gau)

Department of Assamese:

Name	Qualification
Prof. N.N. Saikia	M.A (Gau), Ph.D, (Dib)
Prof.(Mrs) K. Deka	M.A (Gau), Ph.D, (Gau)
Prof. B.K. Baruah	M.A (Dib), Ph.D, (Dib)
Prof. P.K. Baruah	M.A (Dib), Ph.D, (Dib)
Prof. B.K. Sarmah	M.A (Gau), Ph.D, (Gau)
Dr.(Mrs.) N. Mahanta	M.A (Gau), Ph.D, (Manipur)
Dr. (Mrs.) A. Konwar	M.A (Dib), Ph.D, (Gau)
Dr. N.K. Handique	M.A (Gau), Ph.D, (Dib)
Sri J.K. Borah	M.A (Dib)
Miss S. Mahanta	M.A (Dib)

Department of Economics:

Name	Qualification
Prof. H. Goswami	M.A (Allahabad), Ph.D, (Dib)
Prof. J.K. Gogoi	M.A, M.Phil (Allahabad), Ph.D, (JNU)
Prof. K.C.	Bora M.A (Dib), Ph.D, (Dib)
Sri K. Saikia	M.A (Gau)
Sri B. Baruah	M.A (Gau)
Sri N.M. Borgohain	M.A (Dib)

Sri M.K. Dutta M.Sc (Gau)

Department of Education:

Name	Qualification
Prof.(Mrs.) G.L. Baruah	M.A.(Gau), B.T.(Gau), Ph.D, (Dib)
Dr. L.N. Konwar	M.A (NEHU), B.T.(Dib), Ph.D, (Dib)
Dr. K.K. Deka	M.Sc (Gau), M.Ed (Dib), Ph.D, (Gau)on lieu
Sri M. Hazarika	M.Sc (NEHU), M.Ed (Dib)
Mrs. N. Kalita	M.A (Gau)
Dr. B.C. Das	M.A (Utkal), M.Phil(Devi Ahalya), Ph.D, (BHU)
Dr.(Mrs.) D.B. Talukdar	M.A (NEHU), Ph.D, (NEHU)
Dr. P.K. Gogoi	M.A (Dib), Ph.D, (Dib), DIT(Dib)
Dr. M. Barua	M.A (NEHU), M.Phil (NEHU)
Dr. K.P. Gogoi	M.A (Gau), Ph.D, (Gau)
Sri S. Bhuyian	M.Sc (Dib), M.Ed (Dib)
Sri K.K.Borghain	M.A (Dib), M.Phil (Dib), PGDET(CIEFL)

Department of English:

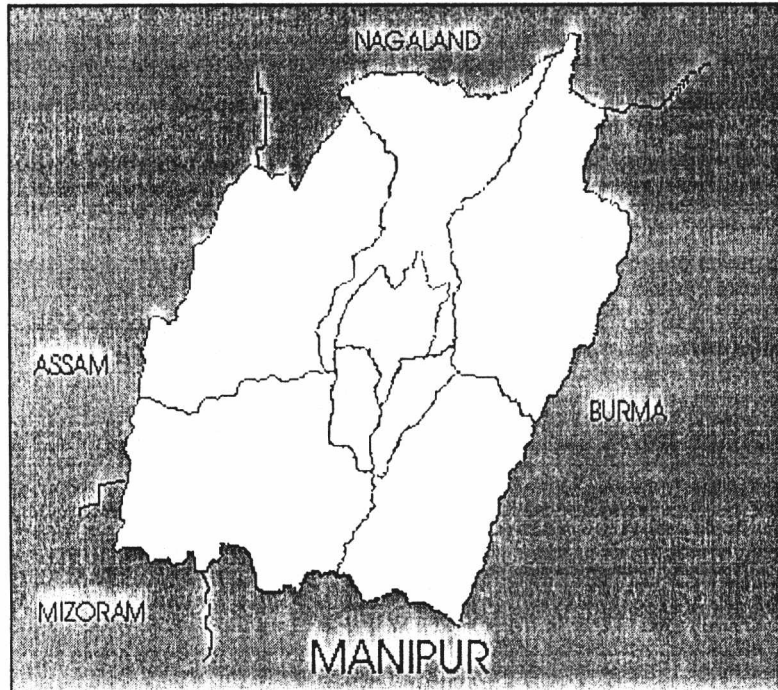
Name	Qualification
Prof. K.N. Phukan	M.A (Gau), Ph.D (Leeds)
Prof. P. Mahanta	M.A (Dib), PGDTE(CIEFL), Ph.D, (Gau)
Prof. U. Mishra	M.A (Gau), Ph.D (Dib)
Prof. (Mrs.) A.D.Mahanta	M.A (Gau), M.A.(Leeds), Ph.D (Dib)
Prof. (Mrs.) T.Mishra	M.A (Delhi), Ph.D (Gau)
Sri A.C. Goswami	M.A (Gau), M.A.(Leeds), PGDTE(CIEFL)

Dr. B. K. Danta	M.A(Sambalpur),M.Phil(Berhampur), Ph.D (Utkal)
Sri P. Goswami	M.A (NEHU)
Dr.(Mrs.) F.A. Danta	M.A (Dib), Ph.D (Dib)
Dr. A. Bormudoio	M.A (Gau), Ph.D (Dib)
Sri R. Ghosh	M.A (Burdwan), M.Phil (CIEFL)

Department of History:

Name	Qualification
Prof. (Mrs.) S.L. Baruah	M.A (Gau), Ph.D, (Dib)
Prof. S.D. Goswami	M.A (Gau), Ph.D, (Dib)
Prof.(Mrs.) S. Bora	M.A (Gau), Ph.D, (Gau)
Prof. D. Nath	M.A (Dib), Ph.D, (Dib)
Dr. A. Hussain	M.A (Dib), Ph.D, (Dib)
Dr.(Mrs.) J.N. Gogoi	M.A (Dib), Ph.D, (Dib)
Dr. B. Baruah	M.A (Dib), Ph.D, (Dib)
Sri V.K. Dutta	M.A (Dib)
Sri R. Handique	M.A (Gau)

THE STATE OF MANIPUR



Manipur was one of the oldest independent kingdom of South East Asia, which had their own civilization, tradition and cultural heritage. The "PUYAS" and traditions record clearly the account of the pre-historic and proto historic periods of Manipur. The history of Manipur starts with the accession of "Nongda Lairal Pakhangba" in 33 A.D. onwards. Manipur, so called "The land of jewels" by the late Prime Minister of India " Jawaharlal Nehru" is in the easternmost part of India and is a mountainous region. It is isolated from the neighboring States by a chain of hill ranges. It is one of the most beautiful spots with charming physical features, tradition and history. Manipur is a composite state of blue-mountains and green valleys. Manipur's long march in her process of nation building from a small clan principality at " Kangla " in the heart of the Imphal to a powerful kingdom comprising the surrounding hills and territories in the chindwin basin is reflected in the expanding geographical horizon of her territory. The present boundary of Manipur with an area of 22,327 sq. km. more or less remained fixed since the controversial transfer of "Kabaw Valley" to Burma(now Myanmar) in 1834. She is bounded in the north by Nagaland in the east and the south by Burma, in the north-west by Mizoram and in the west by Assam. But, the above boundary was not the actual line of demarcation in olden days. It was much more bigger than its present size with fluctuation at various stages. At one time the eastern boundary of Manipur extended up to the peripheral limits of China and Burma, while the southeast remained as the southern boundary and Hiramba's Kingdom (Dimapur) as the northern boundary. Towards the west, the boundary of Manipur, although not properly defined, as referred in the treaty of 1763, was extended up to the Brahmaputra Valley.(Coutesy:Manipur Fact File 2002)

□ **Important Links:**

□ **Institutes**

- Central Agricultural University, Iroisemba, Imphal
- Centre for Electronics Design and Technology of India, Akampat, Imphal
- Manipur University

□ **Experts & Equipments**

□ **Photogallery**

Experts in C.E.D.T.I , Imphal:

Name	Designation	Qualification	Specialization
Dr. S. Birendra Singh	Director	Ph.D	Automation
Dr.Kh.B.Chandra Singh	Principal Design Engineer	M.Tech	Power & Digital Electronics
Dr.N.Debachandra Singh	Senior Design Engineer	MS	Instrumentation
Dr. T Gunendra Singh	Senior Design Engineer	B.E	Consumer Electronics
Y Subhash C. Singh	Senior Design Engineer	B.E	Analog electronics
Priya Tenarembam	Senior Design Engineer	B.E	RDBMS
Sri R gopal Krishnan	Design Engineer	M.Tech	Communication
A Bubu Singh	Design Engineer	B.E	Computer Networking
Imopishak Th	Design Engineer	B.E	Communication and Networking

Equipments in C.E.D.T.I ,Imphal

Sl. No.	Name and Specification	Quantity	Intalled at
1.	Vertical Camera 4.1 size	1 No.	PCB Lab.
2.	High speed optical Machine	1 No.	PCB Lab.
3.	Conveyorised Itching Machine	1 No.	PCB Lab.
4.	CADSTAR Software etc.	1 No.	PCB Lab.
5.	Server P2 and P3	2 No.Each	Computer Lab.
6.	Computer nodes including Celerons Pentiums, Imac.396 and 496 multimedia	54Nos.	Computer Lab
7.	Printers, dot matrix, inkjet and laser jet	9 Nos.	Computer Lab.
8.	Scanner flat bed scanner	1 No.	Computer Lab.
9.	Networking Hub Switch	5 Nos.	Computer Lab.

10.	UPS Power Units	13 Nos.	Computer Lab.
11.	8085 Kit	10 Nos.	Digital and Microproc. Lab.
12.	SMPS for 8085	10 Nos.	Digital and Microproc. Lab.
13.	Stepper Motor Ctrl. Card	2 Nos.	Digital and Microproc. Lab.
14.	Stepper Motor	3 Nos.	Digital and Microproc. Lab.
15.	Temperature, Elevator Controller Card	1 No.Each	Digital and Microproc. Lab.
16.	Pit 100 Sensor	1 No.	Digital and Microproc. Lab.
17.	AD/DA/ 99/42/99/40)	2 Nos.	Digital and Microproc. Lab.
18.	DC Motor Ctrl. Card and Relay Card	1 No.Each	Digital and Microproc. Lab.
19.	8255 Card	2 Nos.	Digital and Microproc. Lab.
20.	Digital Signal Processor	1 No.	Digital and Microproc. Lab.
21.	EPROM PROGRAMMER	1 No.	Digital and Microproc. Lab.
22.	8085 Trainer	1 No.	Digital and Microproc. Lab.
23.	P- III Computer	1 No.	Digital and Microproc. Lab.
24.	80196 System Development Kit	1 No.	Digital and Microproc. Lab.
25.	Logic Analyzer	1 No.	Digital and Microproc. Lab.
26.	Cathode Ray Oscilloscope (Storage + Analog)	4 Nos.	Digital and Microproc. Lab.
27.	Oscilloscope (5 Hz – 2Mhz)	13 Nos.	Analog electronics Lab.
28.	Signal Generator	8 Nos.	Analog electronics Lab.
29.	Analog Multiplier (0- 100 v 10a, AV and DC) (0- 1000 V AC and DC)	5 Nos.	Analog electronics Lab.
30.	Linear IC Trainer	3 Nos.	Analog electronics Lab.
31.	Digital IC Trainer	5 Nos.	Analog electronics Lab.

32.	APLAB TESTATION (4445, 20 MH)	1 No.	R and TV Commn. Lab.
33.	CRDL and Y Gourd (OS – 300, 20 MHz)	4 Nos.	R and TV Commn. Lab.
34.	CRD Systronic (20 MHz)	1 No.	R and TV Commn. Lab.
35.	Function Generator	2 Nos.	R and TV Commn. Lab.
36.	Function Sweep Generator	2 Nos.	R and TV Commn. Lab.
37.	Digital Multimeters	4 Nos.	R and TV Commn. Lab.
38.	A/F Power O/P Meter	1 No.	R and TV Commn. Lab.
39.	Pattern Generator CTV and B/W	3 Nos.	R and TV Commn. Lab.
40.	TV Receiver Color and B/W	8 Nos.	R and TV Commn. Lab.
41.	Function /Pulse Generator	2 Nos.	R and TV Commn. Lab.
42.	Wobbuloscope	1 Set.	R and TV Commn. Lab.
43.	VCR (EC and VIDEOCON)	2 Nos.	R and TV Commn. Lab.
44.	Coil Wdg. M/C (non programmable)	1 No.	T.M.E.T and P.E Lab.
45.	Smart Winder (Programmable)	1 No.	T.M.E.T and P.E Lab.
46.	Motor Generator Set	6 Nos.	T.M.E.T and P.E Lab.
47.	DC Generator Motor Set	2 Nos.	T.M.E.T and P.E Lab.

Manipur University, Imphal

□ Various Departments:

- Department of English
- Department of Hindi
- Department of Linguistics
- Department of Manipuri
- Department of Physics
- Department of Statistics
- Department of Commerce
- Department of Economics
- Department of Education
- Department of Earth Science
- Department of Geography
- Department of Life Science
- Department of Mathematics
- Department of Philosophy
- Department of Computer Science
- Department of History
- Department of Library and Information Science
- Department of Political Science
- Department of Management
- Department of Anthropology
- Department of Biochemistry
- Department of Chemistry

Experts in Various Departments In Manipur University:

Department Of English

Name	Designation	Qualification	Specialization
Khagendra Singh. N	Professor	Ph.D	Anglo-American Poetry & Drama
Khan A.G.	Professor	Ph.D	Applied Linguistics
Tikoo S.K	Professor	Ph.D	Anglo-American Literature
Kunjo Singh Kh	Asst. Professor	Ph.D	Commonwealth Literature
Metei M, Mani	Asst. Professor	Ph.D	20 th Century British Fiction
R. K. Singh Th	Asst. Professor	Ph.D	20 th Century American Poetry
Jyotindra Singh N	Asst. Professor	Ph.D	Modern English Grammar

Khoidong Singh Kh Asst.Professor Ph.D American Littrature

Department of Hindi

Name	Designation	Qualification	Specialization
Devraj	Professor	Ph.D	Modern Poetry
Lambodar Jha	Assoc.Professor	Ph.D	Linguistics
Ibohal Singh K	Assoc.Professor	Ph.D	Linguistics
Subadani Devi H	Assoc.Professor	Ph.D	Linguistics

Department of Linguistics

Name	Designation	Qualification	Specialization
Ningomba MS	Professor	Ph.D	Manipuri Linguistics, Lexicography, Tibeto-Burman Linguistics, Semitics and Translation
Thoudam P.C	Professor	Ph.D	Tibeto-Burman Socio-Linguistics
Madhubala P.	Asst.Professor	Ph.D	Syntax, Translation, Manipuri and Tibet-Burman Linguistics
Yashwanta Singh.Ch	Asst.Professor	Ph.D	Linguistics and Tibeto-Burman Linguistics
Imoba Singh S	Asst.Professor	Ph.D	Lexicography, Historical and Comparative Linguistics
Pramodini Devi N	Asst.Professor	Ph.D	Socio and Tibeto-Burman Linguistics

Department of Manipuri

Name	Designation	Qualification	Specialization
Babu Singh I.R	Professor	Ph.D	Folk Littrature
Behari Singh H	Professor	Ph.D	Folk Littrature
Dinamani Singh E	Professor	Ph.D	Modern Littrature

Ibochouba Singh O	Professor	Ph.D	Folk Litratione
Tombi Singh N.	Professor	Ph.D	Linguistics
Tomba Singh S.	Professor	Ph.D	Culture
Nabachandra Singh	Asst.Professor	Ph.D	Old Litratione
Sanatombi Singh	Asst.Professor	Ph.D	Folk Litratione
Aruna Devi N.	Asst.Professor	Ph.D	Modern Litratione
Gunindro Singh P	Asst.Professor	Ph.D	Modern Litratione
Rajen Toijamba	Asst.Professor	Ph.D	

Department of Physics

Name	Designation	Qualification	Specialization
Amuba Singh C	Professor	Ph.D	Theory and Practice of Physics
Gartia R.K	Professor	Ph.D	Solid StatePhysics(Experimental)
Jekendra Singh Th	Professor	Ph.D	Solid State Physics (Theory
Sharma H.N.K	Asst.Professor	Ph.D	Practice and Solid State Physics (Experimental)
Dorendrajit Singh S.	Asst.Professor	Ph.D	Solid State Physics (Theory)
Momon Singh Kh.	Asst.Professor	Ph.D	Nuclear Physics
Yugindro singh K.	Asst.Professor	Ph.D	Astrophysics and High Energy Physics
Phanjoubam Sumitra	Asst,Professor	Ph.D	Nuclear Physics (Experimental)
H.Basant K.Sharma	Asst.Professor	Ph.D	Electronic Physics

Department of Statistics:

Name	Designation	Qualification	Specialization
B.M. Singh	Professor	Ph.D	Probability, MultivariateAnalysis

Ladlu Singh L.	Asst.Professor	Ph.D	Demography, Sample survey, Computer Applications
Chakraborty T.K.	Asst.Professor	Ph.D	Inference, Sample Survey, Computer Applications
Department of commerce			
Prasain G.P	Asst.Professor	PhD	Human Resource Management and Entrepreneurship Development
Tejmani Singh N.	Asst.Professor	Ph.D	Finance Accounting
Rajmani Singh	Asst.Professor	Ph.D	Accounting Finance
Rabita S	Asst.Professor	Ph.D	Business Policy, Entrepreneurship development

Department of Economics

Name	Designation	Qualification	Specialization
Ibotan Singh M.	Professor	Ph.D	Development Economics
Mohendro Singh N.	Professor	Ph.D	Public Finance and Rural Development
Tombi Singh L.	Professor	Ph.D	Economics of HR and Man
Yunnam A.S	Professor	Ph.D	Economics of Development and Planning
Bijoykumar Singh E.	Asst.Professor	Ph.D	Economics and Agriculture Economics
Islamuddin Md.	Asst.Professor	Ph.D	Agriculture Economics
Priyoranjan Singh Ch	Asst.Professor	Ph.D	Population Studies and Agriculture Economics
Jhalajit Singh, Kh.	Asst.Professor	Ph.D	Mathematical Economics and Econometrics

Department of Education

Name	Designation	Qualification	Specialization
Leiren Singh L	Asst.Professor	Ph.D	Audit and Non- formal Education

Ibotombi Singh L. Asst.Professor Ph.D Education management

Nagailianglim Caroline Asst.Professor Ph.D Education Psychology

Department of Earth science

Name	Designation	Qualification	Specialization
Arun Kumar	Asst.Professor	Ph.D	Geomorphology, RemoteSensing
S. Ibotombi	Asst.Professor	Ph.D	Structural Geology, Tectonics
Ras Kushwaha	Assst.Professor	Ph.D	Geomorphology and Sedimentology

Department of Geography

Name	Designation	Qualification	Specialization
R.P. Singh	Professor	Ph.D	Human & Economic Geography
N. Deva Singh	Asst.Professor	Ph.D	Settlement & Agricultural Geography
R.K. Samarjit Singh	Asst.Professor	Ph.D	Resources & Population Geography
P.K. Singh	Asst.Professor	Ph.D	Geomorphology, Remote Sensing

Department of Life Science

Name	Designation	Qualification	Specialization
N. Ibanta Singh	Professor	Ph.D	Acro biology, Plant Diseases
L.J. Singh	Professor	Ph.D	Physiology of Pathogens
T.K. Singh	Professor	Ph.D	Insect Biosystematics, Ecology and Biology
B. Prasad	Professor	Ph.D	Insect Physiology and Biology
G. Jitendra Sarma	Professor	Ph.D	Radiation Biology
W. V. Singh	Professor	Ph.D	Fish Systematic, Nutritional Physiology

P.S. Yadava	Professor	Ph.D	Terrestrial Ecology, Ecosystem
Th. Bhagirath	Asst. Professor	Ph.D	Cytogenesis
GKN Chetry	Asst.Professor	Ph.D	Biostatistics/Plan Pathology
Ch. Dhanachand	Asst.Professor	Ph.D	Agricultural Nematology
G.A. Shantibala Devi	Asst.Professor	Ph.D	General Physiology
B. Manihar Sarma	Asst.Professor	Ph.D	Ecology Conservation
B. Shyam K. Singh	Asst.Professor	Ph.D	Biology and Ctrl. of Soil Born Disease
R. Varatharajan	Asst.Professor	Ph.D	Insect Ecology & Systematic
Th. Binoy Singh	Asst.Professor	Ph.D	Animal Ecology
M. Damayanti Devi	Asst.Professor	Ph.D	Radiation Biology
R.K. Gambhir Singh	Asst.Professor	Ph.D	Animal Phrascology and Plant Nematology
A.L.P. Gupta	Asst.Professor	Ph.D	Ecology, Conservation System Anaysis and modelling
P. Kumar Singh	Asst.Professor	Ph.D	Physiology & Bio-Chemistry of Host Parasite Interaction
R.R. Pandey	Asst.Professor	Ph.D	Biological Control of Fruit diseases
Ch.Sarojinalini Devi	Asst.Professor	Ph.D	Nutritional Physiology
W. Vidyarani Devi	Asst.Professor	Ph.D	Reproductive Biology

Department of Mathematics

Name	Designation	Qualification	Specialization
K.S. Bhamra	Professor	Ph.D	Relativity/Astrophysics, Differential Equations
A.K. Chatterjee	Professor	Ph.D	Topology & Number Theory
R.K. Tarachand	Professor	Ph.D	Relativity, Operations Research

Ng. Ibohal Singh	Asst.Professor	Ph.D	General Relativity, Fluid Dynamics
Ibotombi Singh	Asst.Professor	Ph.D	General Relativity, Cosmology, Linear Algebra, Mechanics
M. Ranjit Singh	Asst.Professor	Ph.D	Functional Analysis, Topology
Dhaballo Singh Kh.	Asst.Professor	Ph.D	Real Analysis
O. Ratnabala Devi	Asst.Professor	Ph.D	Algebra, Topology
I. Tomba Singh	Asst.Professor	Ph.D	Demography, Operations Research

Department of Phylosophy

Name	Designation	Qualification	Specialization
S. Shyamkisor Singh	Professor	Ph.D	Logic, Aesthetics, Analytical, Phylosophy
S. Lokendrajit Singh	Professor	Ph.D	Logic & Marxist Philosophy
Vanlalnghak	Asst.Professor	Ph.D	Contemporary Moral Phylosophy
P. Kh. Milan	Asst.Professor	Ph.D	Indian Phylosophy
Sarat Sarma	Asst.Professor	Ph.D	Indian Phylosophy

Department of Computer Science

Name	Designation	Specialisation
O.imocha Singh	Assoc.Prof.	AI,Optimisation Technique
Tejmani Sinam	Assoc.Prof.	Computer Networks and Graphics
N.Gaurakishor Singh	Asst.Prof.	Optimisation Technique, Database Management., ProgrammingLanguage
H.Mamata Devi	Asst.Prof.	Data Structure,System Analysis and Design
Namfazth	Asst.Prof.	--
Th.Tangkeshwar Singh	Asst.Prof.	--

Department of History

Name	Designation	Specialization
Jitendra Singh	Professor	Ancient Indian History
Dr.N.Joykumar Singh	Professor	Region/Modern History
Dr.Laldena	Professor	Modern Indian History
Lokendra Singh	Professor	Modern Indian History
Dr.OP Singh	Professor	Ancient Indian History
Dr.Salam Irene	Assoc.Prof	Medieval Indian History
R.R.Das	Asst.Prof	Ancient Indian History
Kunjeshwari Devi.L	Asst.Prof.	Ancient Indian History
Luiram,Jacob	Asst.Prof.	Ancient Indian History

Department of Library and Information Science

Name	Designation	Specialization
Dr.R.Lahiri	Assoc.Prof.	Library Mgt,Library Society
Dr.Th.Madhuri Devi	Asst.Prof.	Library Classification,Information Service
Dr.Th.Purnima Devi	Asst.Prof	Library Cataloguing, Information Science

Department of Political Science

Name	Designation	Specialization
Dr.Ksh.Bimola Devi	Professor	Indian Political System, Studies on Northeast India
Dr.M.Horam	Professor	Research Methodology, Political Thought and Gandhian Studies
Dr.Smaw Chisthi Ibo Singh,K	Assoc.Prof. Assoc.Prof.	Modern Political System Analysis Political Thought, South East Asian Studies

S.Rajendra Singh	Assoc.Prof.	International Politics, Socialist thought.
Laishram Rajen	Asst.Prof.	Southeast Asian Studies
S.Mangi Singh	Asst.Prof.	Social & Political Thought, Modern India, Indian Political System

Department of Management

Name	Designation	Specialization
Dr. V.P. Giri	Director	Organizational Behavior and General Mgt.
Ch.Ibohal Meitei	Asst.Prof.	Marketing & HRM
Dr.Mrs.L.Memcha	Asst.Prof.	Finance, Accounting and Entrepreneurship Development
L.Jibonkr.Sharma	Asst.Prof.	Marketing, Production, Business and Economic Policy
L.Prabhakar		Case Cum System Analyser Computer, Management Information Systems & IT.
Ksh.Kunjabi	Visiting Faculty	Finance,Accounting & Business Law
H.Ramananda	Visiting Faculty	Quantitative Technique,OR & Production

Department of Anthropology.

Name	Designation	Specialization
Ch. Budhi Singh	Professor	Social Anthropology.
K. Saratchandra Singh	Professor	Physical Anthropology
W. Nabakumar Singh	Assoc. Prof.	Social Anthropology
MC Arup	Asst. Prof.	Physical Anthropology
S. Jibonkumar Singh	Asst. Prof.	Physical Anthropology
T Shyamacharan Singh	Asst. Prof.	Physical Anthropology

Department of Biochemistry

Name	Designation	Specialization
Rupachandra Singh, L	Assoc. Prof.	Protein Structure, Enzyme Technology
Debananda Singh, N	Asst. Professor	Molecular Biology
Kunjeshwari Devi, S	Asst. Professor	Clinical Biochemistry

Department of Chemistry

Name	Designation	Specialization
Dhaneshwar Singh, M	Professor	Organic Chemistry
Manihar Singh, AK	Professor	Inorganic
Srivastava, SK	Professor	Physical
Rajmohan, N	Asst. Prof.	Physical
Hemkumar Singh, RK	Asst. Prof.	Inorganic
Homendra, N	Asst. Prof.	Physical
Lonibala, RK (Ms)	Asst. Prof.	Inorganic
Marjeet Singh, L	Asst. Prof.	Organic
Mukherjee Singh, O	Asst. Prof.	Organic
Rajen Singh, N	Asst. Prof.	Inorganic
Rameshwar Singh, W	Asst. Prof.	Physical

Experts in Central Agricultural University:

<u>Name</u>	<u>Designation</u>
Dr. S. Bapu	Professor
Dr. M. Daneshwar	Sr. Asst. Professor
Dr. N. Ingo Metei	Sr. Asst. Professor
R. K. Bhanisana	Sr. Asst. Professor
L. Gourabidhu	Sr. Asst. Professor
Gangmei Shobha	Sr. Asst. Professor
R. K. Nurbahan	Sr. Asst. Professor
Dr. R. K. Kumarjit	Asst. Professor
Y. Jekendra	Asst. Professor
Dr. A. Ibopishak	Asst. Professor
Dr. N. Iboton	Asst. Professor
Dr. M. Rohinikumar	Asst. Professor
Dr. M. Premjit	Asst. Professor
Dr. N. Ram	Asst. Professor
J. M. Laisharam	Asst. Professor
O. Nirmal Kumar	Asst. Professor
Ng. Narahari	Asst. Professor
Th. Bina Devi	Asst. Professor
S. Jekendra	Asst. Professor
Dr. U. Chaoba	Asst. Professor
Dr. A. K. Bijaya Devi	Asst. Professor

N. Gopimohan	Asst. Professor
Dr. Ph. Sobita	Asst. Professor
Y. Chakraborty	Asst. Professor
Dr. R. K. Tombisana	Asst. Professor
N. Brojendra	Asst. Professor
Dr. L. Nabachandra	Asst. Professor
M. Somorjit Singh	Asst. Professor
M. Kunjaraj Singh	Asst. Professor
Dr. Indira S.	Asst. Professor
R. K. Dilip Singh	Asst. Professor
Edwin L.	Asst. Professor
Dr. A. Herojit	Asst. Professor
Dr. Ph. Ranjit	Asst. Professor

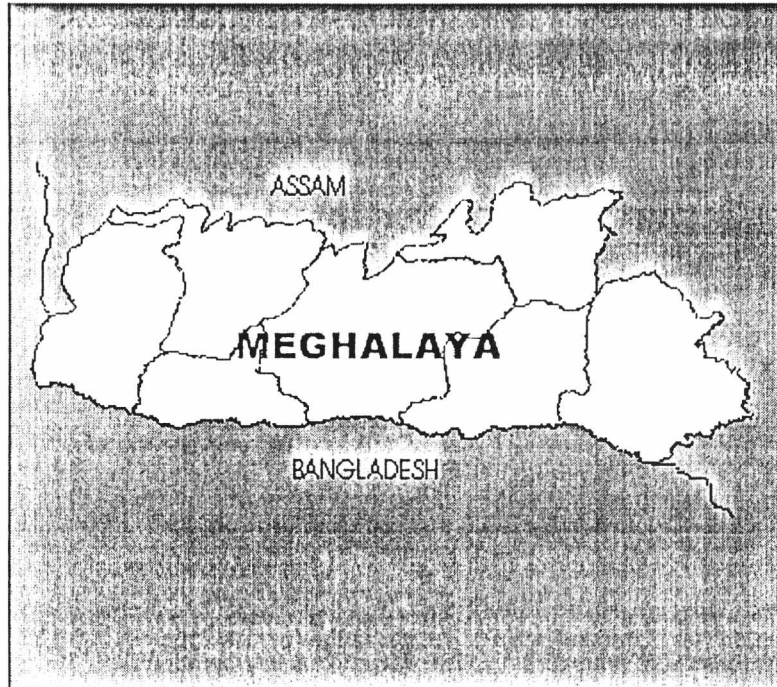
Equipments in Central Agricultural University:

Serial Number	Name & Specification	Quantity
1.	UV-VIS Digital Spectrometer(200nm-900nm).	1 no.
2.	Spectro Colorimeter(400nm-700nm).	1 no.
3.	Flame Photometers with filters(Na,K),Compressor & Electronic Galvanometer.	1 no .
4.	Digital Photometric Colorimeter with 8 filters.	1 no .
5.	Digital pH meter with glass & reference electrode.	2 nos.
6.	Leaf Area meter.	1 no.
7.	Flame Photometers with filters(Na,K),Compressor & Digital display unit.	1 nos.
8.	Micro pH system with glass & reference electrode .	1 no.
9.	Digital Nephelo/Turbidity meter .	1 no.
10.	Densitometer.	1 no.
11.	Water Bath Electric AC/DC with 12 holes of 7.5cm dia .	1 no.
12.	Rotary Shaking M/C(60X60cm, 240rpm) .	1 no.

13.	Metrex Distillation & Digestion Unit.	1 no. each
14.	Metrex to & fro Shaker variable speed slow motion with tray of nylon.	1 no.
15.	Metrex hot plate(Rectangular) Heavy duty.	1 no.
16.	Metrex Planimeter(28inch size),UV Lamp(Dome type),Hand Refractometer(40-85%) .	1 no. each
17.	Metrex Heating mantles with energy regulator .	4 nos.
18.	Lynx BOD Incubator(low temperature) & Oven Universal(AI) .	1 no. each
19.	Pineapple Juicer(AI body with 0.5hp motor) & Supreme Pocket Refractometer.	1 no. each
20.	Centricon Compact laboratory centrifuge type .	1 no.
21.	ADCO Electronic top pan (LCD)display balance(capacity-300gms) & Electrical top pan balance(sensitivity-0.01gm) .	3 nos.
22.	Distilling Still Single Distillation(0.5gallon/hr) .	1 no.
23.	Tensiometer(30,60,100cms).	5 nos. each
24.	Automatic Triple Distillation apparatus.	1 no.
25.	YORCO Vacuum Rotary Evapotator .	2 nos.
26.	YORCO Constant temperature precision Water Bath .	1 no.
27.	YORCO Water Bath (Rectangular) with automatic temperature Ctrl.	2 nos.
28.	YORCO Tissue Homogenizers(Electrically operated).	1 no.
29.	Hindustan Vertical Electric Autoclave.	2 nos.
30.	Hindustan Oven Universal.	2 nos.
31.	Aspee Napsak Sprayer(16lit capacity) .	2 nos.
32.	Ganesh Pneumatic hand Sprayer.	2 nos.
33.	Aspee Jubilee Hand Rotary Duster .	1 no.
34.	Aspee Bolo Motorised Knapsack Mistblower.	1 no.
35.	Remi Multipurpose Stirrers, High speed Homogeniser .	1 no. each
36.	Table top High speed Cooling Centrifuge .	1 no.
37.	Top-Loader single Pan Balance(2kg cap).	1 no.
38.	Laminar Flow(4X2X2inches with 2X40 watts) .	2 nos.
39.	Seed Counter(1ph AC 230V) with rice seed Counting head.	1 no.
40.	Milling & Dehusking Appratus(0.25hp each).	1 no. each
41.	Phase-Contrast Microscope with Microphotographic system.	1 no.
42.	Single Pan Elecrtical Balance(micro-meterss type).	2 nos.
43.	Thin Layer Chromatography Apparatus.	1 no.
44.	Magnetic Stirrer.	1 no.
45.	Fumigation Chamber.	1 no.
46.	Insect Cages with a Show case Cabinet .	5 nos.
47.	"Dayal" make Automatic Electric Hatching Incubators(2000 eggs capacity) .	1 no.
48.	"Metro" Automatic Electric Battery brooder 4 tier unit.	1 no.
49.	Imported Maximum , Minimum Thermometer & Anemometer.	1 no. each
50.	Rain Gauge.	1 no.

51.	Automatic Deioniser(purification capacity-300ppm,regeneration gap-18hrs) .	1 no.
52.	Muffle Furnace with Digital temperature Indicator cum Controller .	1 no.
53.	Godrej Refrigerator.	2 nos.
54.	'Hardson' cell Disruption Bomb, Surface & interfacial Tensiometer.	1 no. each
55.	Ballastic Bomb Calorimeter & Premature Baby Incubator.	1 no. each
56.	Milk testing Centrifuge M/C(Hand & Electrically operated).	1 no. each
57.	Analytical Balance with weight box.	1 no.
58.	Japan made Wall Thermometer.	1 no.
59.	Portable Milk Testing Kit.	1 no

THE STATE OF MEGHALAYA



Meghalaya - the fruit of tenacious struggle became the 21st state of India on obtaining full-fledged statehood on the 21st January 1972, culminating a long struggle of 18 years. Prior to its birth, Meghalaya fell under the jurisdiction of Assam Government under the name United Khasi and Jaintia Hill. Luckily the 18 years of long struggle ended peacefully when a full fledged statehood was granted with Shillong as its capital known as Scotland of the East, but it's not bagpipes echoing among the rolling hills weather covered slopes. Aptly named Meghalaya for the lovely silver clouds hanging in the sky like suspended cotton bales.

The atmosphere intensely musical all around with wind whistling through scented pines, babbling of torrential streams, cascading milky white falls, the gently lapping waves at Umiam water resort frequented mostly by anglers tourist, wild orchids that send sweet fragments to air and dizzy zigzag road warmly welcomes fellow Indian Visitors and abroad as well. Shillong often called the land of sweethearts- is a land of Honey and Bee.

□ Important Links.....

- Institutes
- Experts and Equipments
- Photo gallery

LIST OF INSTITUTES IN MEGHALAYA

- North Eastern Hill University, Shillong
- North-eastern Hill University, Tura
- ICAR Research Complex for North Eastern Hill Region, Barapani
- National Research Centre on Mithun, Shillong
- District & Local Research Station and Laboratory, Directorate of Agriculture, Jowai.
- District & Local Research Station and Laboratory, Directorate of Agriculture, Shillong
- District and Local Research Station and Laboratory, Tura
- King Edward VII, Memorial Pasteur Institute and Medical Research, Pasteur Hills, Shillong
- State Seed Testing Laboratory (Directorate of Agriculture) Shillong,
- State Soil Testing Laboratory (Directorate of Agriculture) Shillong
- Central Potato Research Station, Shillong

North-Eastern Hill University, Shillong

The objectives of the University shall be to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the North-Eastern region, and, in particular, their intellectual, academic and cultural advancement.

The University has six academic "Schools", each headed by a Dean of the school. Within each of these schools are variable number of academic "Departments". Some schools also have academic "Centers".

- ❖ School of Physical Sciences
- ❖ School of Social Sciences
- ❖ School of Life Sciences
- ❖ School of Humanities and Education
- ❖ School of Economics, Management and Information Science
- ❖ School of Human and Environmental Sciences

School of Physical Sciences

Dean : Prof. P. Shukla, 0364-551293 (O) deansps@nehu.ac.in

The School consists of five departments and one centre. Department of Public Administration and Psychology, located in Aizawl and the rest, consisting of Departments of Political Science, History and Sociology along with a Centre for Cultural and Creative Studies are in Shillong. All these continue to be actively involved in teaching and research. Members of the faculty have been attending regional, national or international conferences in their subjects. Seminars and workshops too have been organized.

Two departments, namely, History and Sociology, brought under the Special Assistance Programme of the UGC, are engaged in individual and also collective projects.

Departments

- ❖ Physics
- ❖ Chemistry
- ❖ Mathematics
- ❖ Centre for Applied Statistics

Department of Physics

The department of Physics was established in 1976 with a view to build scientific manpower in this part of the country consistent with the NEHU Act. Office Tel. No. 0364-550035,551506, Extension

Experts in the department of Physics

Name	Qualification	Designation	E-Mail ID
Prof. M. K. Parida		Head	mparida@nehu.ac.in
A. L. Verma	M.Sc., Ph.D.	Professor, Presently as Director, NERIST	
C. S. Shastry	M. Sc., D.Phil	Professor	csshastry@nehu.ac.in
Y. S. T. Rao	M. Sc., Ph.D	Professor	ystrao@nehu.ac.in
P. Shukla	M. Sc., Ph.D	Professor	shukla@nehu.ac.in
K. Kumar	M. Sc., Ph.D	Professor	kkumar@nehu.ac.in
Y. S. Jain	M. Sc., Ph.D	Professor	ysjain@nehu.ac.in

D. T. Khathing	M. Sc., D.Phil	Professor	
P. N. Pandita	M. Sc., Ph.D	Professor	ppandita@nehu.ac.in
M. K. Parida	M. Sc., Ph.D	Professor	mparida@nehu.ac.in
P. N. Ram	M. Sc., Ph.D	Reader	
B. M. Jyrwa	M. Sc., Ph.D	Reader	bmjyrwa@nehu.ac.in
P. Nongkynrih	M. Sc., Ph.D	Reader	phlis@nehu.ac.in
P. K. Bajpai	M. Sc., Ph.D	Lecturer	

Department of Chemistry

Experts in the department of Chemistry

Name	Qualification	Designation	E-Mail ID
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R. K. Poddar	M. Sc., Ph.D.	Professor	rkpoddar@nehu.ac.in
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R.H.Duncan Lyngdoh	M. Sc., Ph. D.	Professor	rhdl@nehu.ac.in
H. Chandra	M.Sc., Ph.D.	Reader	
A. Lemtur	M. Sc., Ph. D.	Reader	
K. Mohan Rao	M.Sc., Ph.D.	Reader	kmrao@nehu.ac.in
S. Aravamudhan	M. Sc., Ph.D.	Lecturer	<u>saravamudhan@nehu.ac.in</u>

Department of Mathematics

Experts in the department of Mathematics

Name	Qualification	Designation	E-Mail ID
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S.K. Srivastava	M.Sc., Ph.D.	Professor	srivastava@nehu.ac.in
H.K. Mukerjee	M.Sc., Ph.D.	Professor	himadri@nehu.ac.in
P.K. Saikia,	M.Sc., Ph.D.	Reader	pks@nehu.ac.in
A.K. Das	M.Sc., Ph.D.	Reader	akdas@nehu.ac.in
Ms. C.R. Mondal	M.Sc., Ph.D.	Reader	
A. M. Buhphang	M.Sc., M. Phil	Reader	ardeline@nehu.ac.in

Centre for Applied Statistics

The Centre for Applied Statistics was established in 1984. Its main objective is to conduct teaching, research and training programmes in the field of Applied Statistics. **Office Tel. No 0364-228705**

Experts in the Centre for Applied Statistics

Name	Qualification	Designation
Dr. M K Das		Head
M K Das	M.Sc., Ph.D	Reader
G Das	M.Sc., Ph.D.	Lecturer
B K Gupt	M.Sc., Ph.D	Lecturer

School of Social Sciences

Dean : Prof. I.Hussain

0364-551194 (O)

ihussain@nehu.ac.in

Departments :

- ❖ Department of Department of History
- ❖ Department of Sociology
- ❖ Department of Political Science
- ❖ Centre for Culture and Creative Studies

Department of Hostry

Name	Qualification	Designation	Tel. No. (R) and E-Mail ID
Prof. J. B. Bhattacharjee		Head	0364-550007 (R)
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Imdad Hussain	M. A., Ph. D.	Professors	0364-550047 ihussain@nehu.ac.in
D. R. Syiemlieh	M. A., M.P hil., Ph. D.	Professors	0364-221345 drsyiemlieh@nehu.ac.in
M. Momin	M.A., Ph.D.	Reader	0364-550095
M. Sharma	M. A. Ph. D.	Reader	0364-551484
F. A. Quadri	M. A., Ph. D.	Reader	0364-221345
V. R. Rengsi	M. A., M. Phil.	Lecturers	0364-535587
C. Mawlong	M. A., Ph. D.	Lecturers	0364-229741
A. N. Passah	M. A., M. Phil.	Lecturers	0364-225229
T. Gurung	M. A., M. Phil., Ph. D.	Lecturers	0364-550073

Department of Sociology

Experts in the Department of Sociology

Name	Qualification and Tel. No.(O) & E-Mail	Designation	Specialization, Tel. No.(O) & E-Mail
Prof. A. C. Sinha	acsinha@nehu.ac.in	Head	
M. N. Karna	M. A., Ph. D 0364-551551*24 mnkarna@nehu.ac.in	Professor	Agrarian Social structure Sociology of Movement Economic Sociology Development Problems in North-East India
A. C. Sinha	M. A., Ph. D. 0364-551551*23 acsinha@nehu.ac.in	Professor	Political Sociology Historical Sociology Social Anthropology Sociology of Communication and Environment
C. Nunthara	M. A., Ph. D. 0364-551551*22 cnunthara@nehu.ac.in	Professor	Political Sociology Economic Sociology Social Change
P. M. Chacko	M. A., Ph. D. 0364-551551*27 pmchacko@nehu.ac.in	Professor	Industrial Sociology Sociology Economic Development Sociology of Movement
Nikhlesh Kumar	M.A., Ph.D. 0364-551551*30 nikhlesh@nehu.ac.in	Professor	Medical Sociology Sociology of Development Sociology of Occupations and Professions
C. L. Imchen	M. A., Ph. D. 0364-551551*31 climchen@nehu.ac.in	Professor	Policy Formation and Indigenous Peoples, Human Rights, Sociology of Change
I. Lanu Aier	M. A., Ph. D. 0364-551551*28 ilaier@nehu.ac.in	Reader	Political Sociology, Urban Sociology, Sociology of Religion, Ethnic Studies Sociology of Literature
A. K. Nongkynrih	M.A.,M. Phil.,Ph.D. 0364-551551*29 aknongkynrih@nehu.ac.in	Reader	Sociology of Development Sociology of Entrepreneur- ship And Management Sociology of Kinship

Sociology of Social
Action

Department of Political Science

Experts in the Department of Political Science

Name	Qualification	Designation	E-Mail ID
Prof. B. J. Deb		Head	bjdev@nehu.ac.in
R. L. Walli	M. A., Ph. D.	Professor	rlwalli@nehu.ac.in
A. K. Baruah	M. A., Ph. D.	Professor	akbaruah@nehu.ac.in
R. Borgohain	M. A., Ph. D.	Professor	rborgohain@nehu.ac.in
L. S. Gassah	M. A., Ph. D.	Professor	
B. J. Deb	M. A., Ph. D.	Professor	bjdev@nehu.ac.in
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K. Debbarma	M. A., Ph. D.	Reader	kdebbarma@nehu.ac.in
P. Malngiang	M. A., Ph. D. & L. L. B.	Lecturer	
S. Sengupta	M. A., Ph. D. (NEHU)	Lecturer	
T. T. Haokip	M. A., Ph. D. (NEHU)	Lecturer	tthaokip@nehu.ac.in
B. K. Mahapatra	M. A., Ph. D.	Lecturer	biswajit.mohapatra@nehu.ac.in

Centre For Cultural and Creative Studies

The Centre has two units, Literary and Cultural Studies & Centre for Creative Arts

Experts in the Centre For Cultural and Creative Studies

Name	Qualification	Designation
Prof. (Mrs.) Helen Giri		Head
Helen Giri	M.A., Ph.D	Professor

D.L. Kharmawphlang	M.A.	Lecturer
M.H. Barbhuiya	B.Fine	Lecturer
P. Jhingan	M.A.	Lecturer
Mr. P. Jhingan	B.E, M.A.	Lecturer

School of Life Sciences

Dean : Prof. A. N. Rai 0364-551292 (O) anrai@nehu.ac.in

The School of Life Sciences presently consists of four departments namely, Biochemistry, Botany, Forestry and Zoology. This School is an active centre for post-graduate teaching and research in frontier areas of Biology. The major thrust areas of research activities include Immunology, Endocrinology, Reproductive Physiology, Limnology, Genetics, Forestry, Enzymology, Medical Biochemistry, Radiation Biology, Carcinogenesis, Nitrogen Fixation, Ecology of Forest Ecosystem, Biodiversity, Microbiology.

The departments under the School have well qualified faculty members, actively involved in teaching and research, many of which have international reputation and collaborative research programmes with international research groups.

They have won wide acclaim in their areas of research and have received several awards. The departments of botany and Zoology are currently being supported by UGC under the Special Assistance Programme (SAP) and COSIST. The departments of Biochemistry, Botany and Zoology have all been given support from DST under FIST programme to the tune of approximately Rs. 150 lakhs. They have also attracted research funds to the tune of Rs. 72 lakhs, in addition to the support from UGC to the tune of Rs. 1.5 crore to the departments of botany and zoology under SAP/COSIST programmes

Departments:

- ❖ Department of Biochemistry
- ❖ Department of Botany
- ❖ Department of Zoology
- ❖

Department of Biochemistry

Experts in the Department of Biochemistry

Name	Qualification	Designation	Tel. No (R) And E-mail ID
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M. B. Syiem	M. Sc., Ph. D.	Lecturer	0364-221481
P. K. Ambastha	M. Sc., Ph. D.	Lecturer	
Lakhan Kma	M. Sc. (NEHU)	Lecturer	

Department of Botany

Experts in the Department of Botany

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Department of Zoology

Experts in the Department of Zoology

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S. B. Prasad	M. Sc., Ph. D.	Professor	0364-550093

			sbpnchu@hotmail.com
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N. Saha	M. Sc., Ph. D.	Reader	0364-550752 nsaha@nehu.ac.in
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A. K. Yadav	M. Sc., Ph.D.	Lecturer	0364-551694 akynehu@hotmail.com

Equipment in the Department of Zoology

UV-VIS Spectrophotometer,

HPLC, Automatic scintillation analyzer,

Auto Gamma Counter,

X-rays Generator,

Image Analysing System,

Gel Documentation System,

PCR GeneAmp,

Flameless Atomic Absorption spectrophotometer (FAAS),

High Speed Refrigerated Centrifuges,

Lyophilizer,

Gas Chromatograph,

Ion Analyzer,

ELISA Reader,

Ultra Microtome,

Ultra freezer (-80oC),
Ice Flaker,
CO2 Incubator,
O2/CO2/N2 Incubator,
Rotary Evaporator,
Ultra Sonicators,
Portable Cold Chamber,
Column Chromatography System,
Osmometer,
Automatic Autoclave,
Radiation monitor,
Sophisticated Optical Systems,
PCs, scanner and printers
15 kVA power generator in addition to a 75 kVA Generator etc.

Sophisticated techniques available in the Department of Zoology :

Cell and tissue culture,
HPLC, radioimmunoassay (RIA),
radioenzyme assay,
spectrophotometry,
PCR, ELISA,
transmission and scanning electron microscopy,
gel electrophoresis,
chromosomal mapping etc.

School of Humanities and Education

Dean : Prof. (Mrs). S Miri 0364-550307 (R)

The School of Humanities and Education comprises departments of English, Garo, Hindi, Khasi, Linguistics, Mizo, Philosophy, Education and the Centre for Supportive Learning Systems – comprising three units – Unit for Adult and Continuing Education, Unit for Distance Education and the Unit for Science Education.

The Department of English with its main Campus in Shillong has campus departments at Aizawl and Tura. Similarly, the Department of Education with its main Campus in Shillong has a campus department at Aizawl. All other departments/centres are in Shillong

With the establishment of the Department of Hindi in 1996, students with Khasi, Mizo and Manipuri as their mother tongue/first language have enrolled in the post-graduate programme of the Department. Departments within the School draw upon each other for collaborative research work/guidance and teaching.

Departments

- ❖ English
- ❖ Education
- ❖ Hindi
- ❖ Khasi
- ❖ Lingistic
- ❖ Philosophy
- ❖ Centre for Supportive Learning System

Department of English

Experts in the Department of English

Name	Qualification	Designation
Prof. T. Ao		Head
Noorul Hasan	M.A., Ph.D.	Professor
Emmanuel N.Lall	M.A., Ph.D.	Professor
T. Ao	M.A., DTE , Ph.D.	Professor
R.P.Sharma	M.A, Ph.D.	Professor

K.C.Baral	M.A., Ph.D.	Professor
S.N. Singh	M.A., Ph.D.	Reader
N.Syiem	M.A., M.Phil	Lecturer
E.Syiem	M.A., Ph.D.	Lecturer
Ng. Robin singh	M.A.	Lecturer
N. Ganguly	M.A.	Lecturer

Schools of Human and Environmental Science

Dean : Prof. T. B.Subba 0364-231854 (O)

The School at present comprises the departments of Anthropology and Geography, the Centre for Environmental Studies, and the Department of Geology, which is in suspended animation in Aizawl, Mizoram. The departments offer M.A/ M.Sc., M.Phil, and Ph.D. degrees and the Centre runs a certificate course in Environmental Sciences. The faculty members in the School have one of the highest per capita productions of research papers and books. They are actively involved in collaborative activities with institutions within as well as outside the country. The faculty members of the Centre in particular may be credited for managing the Regional Centre for National Afforestation and Eco-Development, which is funded entirely by the Ministry of Environment and Forests, Government of India. They conduct surveys, evaluative studies, and training programmes for forest officials of the seven states of the region. They also have a lot of consultative jobs in their hands. The faculty members of the teaching departments are not less active. Besides their routine teaching they are actively engaged in researches that have a high applied value for the region and some of them have been highly regarded outside the region for their research on the region. The departments have also introduced a number of new courses that have both career value for the students and applied value for the region.

Departments

- ❖ Department of Anthropology
- ❖ Department of Geography
- ❖ Centre for Environmental Studies

Department of Anthropology

Experts in the Department of Anthropology

Name	Qualification	Designation
Dr. H. Lamin		Head
T.B. Subba	M.A., Ph.D.	Professor
H.Lamin	M.A., Ph.D.	Reader
L.Zehol	M.A., Ph.D.	Lecturer
V.Pakyntein	M.A., M.Phil.	Lecturer
R.Khongsdier	M.Sc., Ph.D.	Lecturer

Department of Geography

Experts in the Department of Geography

Name	Qualification	Designation
Prof. S. Singh		Head
R.K.Rai,	M.Sc.Ph.D	Professor
A.C.Mohapatra	M.A.,M.Phil ,Ph.D.	Professor
R.Gopalakrishnan	MA, Ph.D	Professor
S.Singh	MA, Ph.D.	Professor
B.S.Mipun	M.A, Ph.D	Professor
D.K.Nayak	M.A., Ph.D.	Professor
Ali Ahmad	MA, Ph.D	Reader
B.S.Butola	M.A., Ph.D	Reader
Z.H.Qureshi	MA, Ph.D.	Reader
P.G.Momin	MA , M.Phil	Lecturer
H.J.Syiemlieh	M.A., Ph.D	Lecturer
L.Cajee	M.Sc., M.Phil	Lecturer

Centre for Environmental Studies

Experts in Centre for Environmental Studies

Name	Qualification	Designation
Prof. B. K. Tiwari		Head
B. K. Tiwari	M. Sc, Ph. D.	Professor
S. K. Barik	M. Sc., Ph. D.	Lecturer

Schools of Economics, Management and Information Science

The School of Economics, Management and Information Sciences comprises three departments namely, (1) Commerce, (2) Economics (HQ at Shillong and Campus Department at Aizawl, Mizoram) (3) Library and Information Science. The departments offer Master, M.Phil. and Ph.D. programmes.

The major areas of specialization and thrust areas of academic activities are: Economics of Agriculture, Economics of Rural Development, Econometrics, Economics of Education and Manpower, Economics of Health, Economics of Energy and Transport, Quantitative Economics, and Economics of the North-Eastern Region in Economics; Accounting, Finance and Control, and Management of Small Business in Commerce; Universe of Knowledge, Information Technology, Computer Applications, Information Retrieval, and Information Management in Library and Information Science.

Departments

- ❖ **Department of Commerce**
- ❖ **Department of Economics**
- ❖ **Department of Library and Information Science**

Department of Commerce

Experts in the Department of Commerce

Name	Qualification	Designation
Prof.V.K Kumar	Ph.D	Head
V.K Kumar	Ph.D	Professor
N.M. Panda	M.Com, Ph.D.	Lecturer

Department of Economics

Experts in the Department of Economics

Name	Qualification	Designation
Prof. N. Srivastava		Head
S.K. Mishra	M.A., Ph.D.	Professor
M. Lalwani	M.A., Ph.D.	Professor
P.M. Passah	M.A., Ph.D.	Professor
N.Srivastav	M.A., Ph.D.	Professor

E.D. Thomas	M.A., Ph.D.	Professor
B. Mishra	M.A.,Ph.D.	Reader
A.C. Dube	M.A., Ph.D.	Reader
Orester J.Kharpuri	M.A. (NEHU)	Lecturer

Department of Library and Information Sciences

Experts in the Department of Library and Information Sciences

Name	Qualification	Designation
Dr. Veena Saraf		Head
J C Binwal	MLISc (Delhi) Ph.D	Professor
Veena Saraf	MLISc (Delhi) Ph.D	Reader
Moses M Naga	MLISc NEHU	Lecturer
Bikika Laloo	MLISc NEHU	Lecturer

North-eastern Hill University, Tura

Departments

- ❖ **Department of Garo**
- ❖ **Department of English**
- ❖ **Department of Education**

DEPARTMENT OF GARO

The Department established in 1996 has made pioneering progress in developing critical studies of poetry, prose, drama and grammar of the language. Collection of folklore materials and studies of various traditional ceremonies and related subjects are regular activities of the department. The efforts of the department are directed towards building up critical material on Garo language & literature.

Experts in Department of Garo

Name	Qualification	Designation
Prof. Caroline R. Marak		Head
Caroline R. Marak	M.A. (Gau.), Ph.D.	Professor
Fameline K Marak	M.A. (NEHU)	Lecturer
Jacqueline R. Marak	M.Ed	Lecturer

DEPARTMENT OF ENGLISH

The Department of English, NEHU, Tura Campus came into existence in the year 1996 to meet with the growing need of the students of this region for higher education. Since its inception, this Department is catering to the aspirations of those students who desire to pursue higher studies, but are unable to go outside the region for various reasons. The department offers specialization in contemporary Indian Fiction Translation with the specific aim of familiarizing the students with diverse Indian literature and culture.

Experts in Department of English

Name	Qualification	Designation
Dr. C K Naik		Head
S.Ganguly	M.A. (Delhi), Ph.D	Professor

C.K Naik	M.A. (Utkal), Ph.D.	Reader
S. Gurudev	M.A., Ph.D.	Lecturer
K.C. Joseph	M.A. (Patna), Ph.D.	Lecturer

**ICAR Research Complex for North Eastern Hill Region, Umroi Road
Barapani, Meghalaya – 793 103**

Experts at ICAR research complex for North East Hill Region

<u>Name</u>	<u>Specialisation</u>
Dr. K.K. Satpathy	Soil & Water Conservation Engg., Water Mgt. Engg.
Er. S.K. Jena	Water Mgt. Engg.
Er. R.K. Singh	Water Mgt. Engg.
Dr. A.K. Mishra	Water Mgt. Engg.
Er. D.S. Bundela	Water Mgt. Engg.
Shri R.K. Agarwal	Agro Meteorology, Farm Machinery & Power
Shri C.S. Sahay	Agro Meteorology, Farm Machinery & Power
Shri S.V. Ghadge	Agro Meteorology, Farm Machinery & Power
Shri K.N. Agarwal	Agro Meteorology, Farm Machinery & Power
Shri A. Pattanayak	Animal Biotechnology- Crop Sciences
Dr. Maneesh Mishra	Plant Biotechnology- Horticulture
Dr. B.R. Shome	Animal Biotechnology
Dr. A.K. Tyagi	Microbiology
Dr. S. Bandhopadhyay	Software Programming In Veterinary Sciences & Agriculture Research Information Systems (ARIS)
Dr. Satish Chandra	Photomicrography
Dr. Y.P. Sharma	Mushroom cultivation Technology
Dr. B.K. Mondal	Fisheries Science & Aquaculture
Dr. K. Vinod	Fisheries Science & Aquaculture
Shri A.K. Acharya	Instrumentation Cell (Test Instrumnets)
Shri Marcus Kharpuli	Instrumentation Cell (Test Instrumnets)

List of Equipments in ICAR research Complex:

Electrophoresis System With Gel Documentation System.

Fast Pressure Liquid Chromatography System.

PCR Machine

Ultra machine.

Spectro- Photometers - U.V. Visible & Atomic Absorption Type.

Microscope With Photomicrographic Attachments.

Automatic Nitrogen Analyzer.

Research Workshop For Prototype Manufacturing.

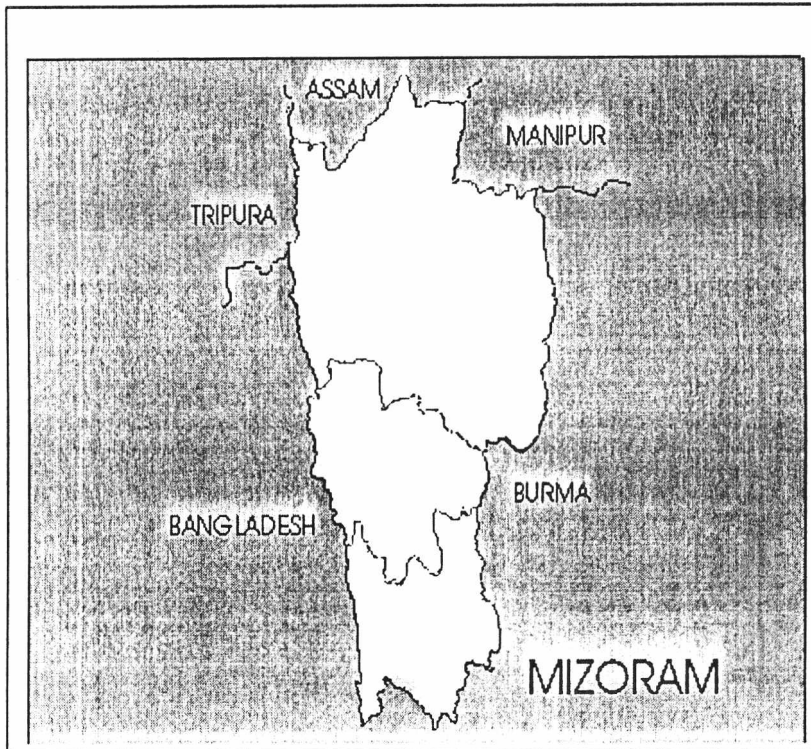
CAD/IDEAS Facility.

GIS Workstation.

Surveying and Leveling Equipments.

Agro-Meteorological Station with V-SAT

THE STATE OF MIZORAM



Mizoram, in the local language, means the land of Mizos – Mizo itself means highlander. Under the British administration, Mizoram was known Lushai Hills District. In 1954 by the act of Parliament the name was changed to MizoHills District. In 1972, when it was made in to a Union territory, it was named Mizoram.

With the signing of the Pease Accord between the Union Government and the MNF and consequent upon the passing of the 53rd Constitution Amendment Bill, Mizoram became the 23rd State of the Indian Union on 20-2-1987.

Mizoram is a land of hills. The hills run in ridges from north to south. They have an average height of 900 metres, the highest point being the Blue Mountain (2165 meters)

The Mizos are divided in to various tribes – the Lushais, Pawis, Paithes, Raltes, Pang, Humars, Kuklis, Maras, Lakhers, etc. In the 19th century the Mizos came under the influence of British missionaries and many Mizos were converted to Christianity.

The Mizo language has no script of its own. The missionaries introduced the Roman script for the Mizo language and started teaching English also. The cumulative result was a high percentage of literacy. The majority of the tribes are Christians and speak Mizo and English. But some tribes on the border like the Chakmas are Buddhists and speak Chakma language. Mizoram attained 95% literacy in 1999.

There is no major industry in Mizoram. Handloom and handcraft are the major industrial activities in the territory.

University

- ❖ NEHU – North Eastern Hill University has a campus at Aizawl, the capital of Mizoram.
- ❖ KOLASIB, Mizoram Horticulture Department

Expert in University (NEHU-Aizawl)

Department of Agronomy

Name	Qualification	Specialization
Dr. Mohan Rakesh	Ph.D.	Agroforestry

Department of Forestry

Name	Qualification	Specialization
Dr. Sahoo V. K.	Ph.D	Agro forestry, Watershed Management and Seed Technology

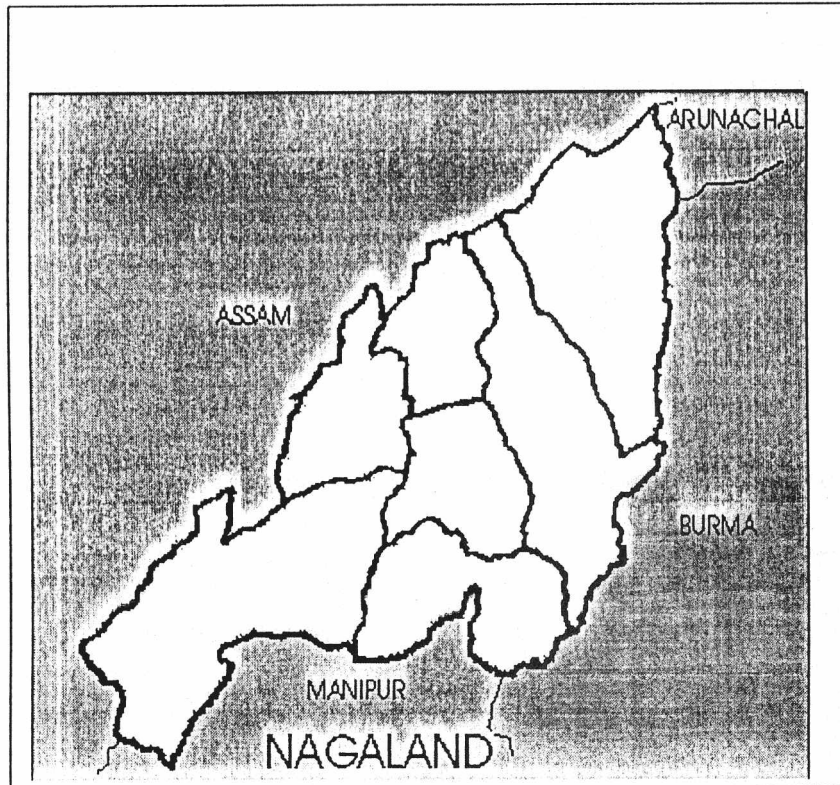
Department of Economics

Name	Qualification	Specialization
Prof. Lanma Tlang	Ph.D	Manpower and Education Planning

Expert in Horticulture Department

Name	Qualification	Specialization
Upadhyaya R. C.	MSc	Joint Director
Vyas N. L.	MSc, Ph.D	

THE STATE OF NAGALAND



The Nagaland State comprises the former Naga Hills district of Assam and the former Tuensang Frontier division of the North East Frontier Agency. These had been made a Centrally Administered Area in 1957, administered by the President through the Governor of Assam. In January 1961 the Government of India conferred the status of a State of Nagaland. The State of Nagaland was officially inaugurated on 1st Dec. 1963.

The state of Nagaland is a narrow strip of mountainous territory between the Brahmaputra Valley of Assam and Myanmar. On the east it shares India's international boundary with Burma. On all other sides it is bounded by Indian Territory – Manipur on the south, Assam on the west and north and Arunachal Pradesh on the north and east. Saramati, the highest peak, is 3841 m high and Kohima, the capital is 1444.12 m above sea level. The population of Nagaland is entirely tribal. There are many tribes and sub-tribes among the Nagas with their own languages and cultural features.

Agriculture is the mainstay of the state, only a little more than one third of the total area is cultivated. Considering the hilly terrain Government is encouraging for terraced cultivation, farm forestry, orchard plantation, cash crop plantation and contour building so as to discourage jhum cultivation, which leads to soil erosion as well as loss of fertility.

For the adventurous and the intrepid, Nagaland is an ideal place for trekking, rock climbing, jungle camping and offers limitless exploration possibilities in its lush and verdant subtropical rain forests which are also a treasure trove of a plethora of medicinal plants.

Nature could not have been kinder to Nagaland. Sometimes referred to as the Switzerland of the East; the exquisitely picturesque landscapes, the vibrantly colorful sunrise and sunset, lush and verdant flora...this is a land that represents unimaginable beauty, molded perfectly for a breath taking experience.

Nagaland's infrastructure is poor but mineral wealth is immense, though unexplored yet. Along the eastern belt runs a rich vein of coal, limestone, iron, nickel, cobalt, chromium and marble.

University:

Nagaland University, Kohima

Nehu – North Eastern Hill University- has a campus in Kohima.

Experts in Nagaland University

Name	Qualification	Specialization
Dr. Kachhara R. P.	MSc., Ph.D	Paleontology, Geology

Jharnapani, Nagaland Entomology Department

Name	Qualification	Specialization
Bishwa Nath	MSc., Ph.D,	Joint Director

Department of Animal Production

Name	Qualification	Specialization
Ghosh S. S.	Msc., Ph.D	
Ghei J. C.	MSc., Ph.D	

Department of Social Science

Name	Qualification	Specialization
Bhrigubanshi S	MSc., Ph.D	

Department of Agronomy

Name	Qualification	Specialization
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Divedi R. N.	MSc	
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Operational Research Project on Lift Irrigation

Name	Qualification	Specialization
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Satpathy K.K.	MSc.	
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Trainers Training Centre

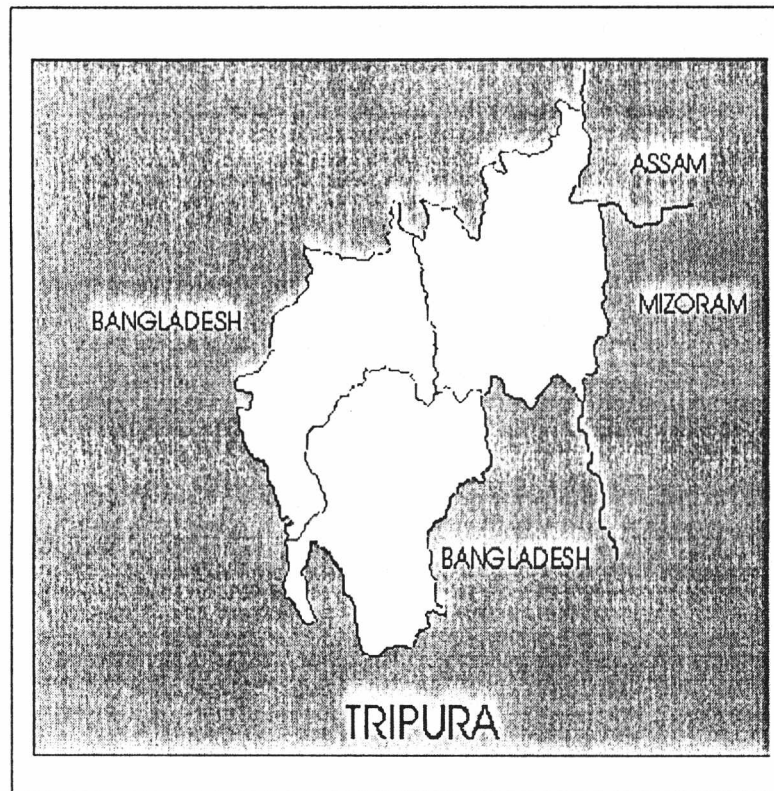
Name	Qualification	Specialization
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Das P	MSc,Ph.D	Agriculture Extension
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□ Important Links...

- Institute
- Experts and Equipments
- Photogallery

THE STATE OF TRIPURA



Tripura was a state of great antiquity having been ruled by the Maharajas for 1,300 years before its accession to the Indian Union on October 15, 1949. With the reorganization of states on Sept. 1, 1956 Tripura became a union territory. The territory was made a state on January 21, 1972.

Tripura is surrounded by Bangladesh on all sides, except for a narrow neck in the north-east, where it borders on Assam and Mizoram. Rice, Sugarcane, Jute, Rubber and Tea are the major agricultural products of the state. Handloom weaving is the single largest industry. The sericulture industry is developing fast.

Tripura is abundant in natural gas and a number of gas-based industries have sprung up.

University : Tripura University, Agartala – 799004

Experts in Tripura University

Department of Soil Science

Name	Qualification	Designation
Laskar S	MSc., Ph.D	Joint Director

Department of Plant Breeding

Roy S.	MSc.,Ph.D
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Department of Animal Health

Name	Qualification
Maiti C. R.	MSc., Ph.D

Department of Poultry Science

Name	Qualification
Nanda S.K	MSc.,Ph.D

Deptment of National Demonstration

Name	Qualification
Gupta B.K	MSc.,Ph.D

THE STATE OF SIKKIM



Sikkim is the 22nd state of India came into existence with effect from 26th April, 1975. Sikkim has been divided into four districts and each district has further been bifurcated into two sub-divisions for administrative purpose. Sikkim state being a part of inner mountain ranges of Himalayas, is hilly having varied elevation ranging from 300 to 8540 meters. But the habitable areas are only up to the altitude of 2100 mtrs. Constituting only 20% of the total area of the state. The highest portion of sikkim lies in its north west direction. A large number of mountains having altitudes of about seven thousand meters stands here with - Kanchenjunga (8598 m.), The third highest peak in the world. The high serrated, snow capped spurs and peaks of Kanchenjunga look attractive consisting of Kumbha Karna (7711 m.), Pendem (6706 m.), Narsingh (5825 m.), Kabru Dome (6545 m.), etc. A number of glaciers descends from eastern slopes of Kanchenjunga into Sikkim where snow clad line is found above 5300 mtrs. The biggest of them is Zemu, from whose snout above Lachen monastery rises the river Teesta. Teesta is the main river and its main tributaries are Zemu, Lachung, Rangyong, Dikchu, Rongli, Rangpo and Rangit which form the main channel of drainage from the north to the south. It boasts of the great mount Kanchendzonga as its crown. Ethically Sikkim has mainly three groups of

people viz. *Nepalis*, *Bhutias*, *Lepchas*. The local language is Nepali. English is the official language. This jewel- like mountain state of ethereal beauty with an area of 7299 sq. kms , nestles in the heart of Himalayas. Cradled in the manifold splendors of nature deep within the snow clad Himalayas is Sikkim's capital *Gangtok*. Wrapped in mists and clouds, a garden state with an incredible variety of rhododendrons & a host of other flowers

University :

- ❖ **Sikkim Manipal University of Health, Medical and Technological Sciences, Gangtok – 737102.**
- ❖ **National Research Centre for Orchid, Gangtok**

Sikkim Manipal University

About the University and the Institute

Prof. P. A. Kulkarni

Vice Chancellor

Sikkim Manipal University

of Health, Medical and

Technological Sciences

Tadong, Gangtok

Sikkim 737102, India

Tel : 03592-31937

Fax : 011-6967514

admn@sikkimmanipal.net prtrivedi@sikkimmanipal.net

The University.....

Sikkim Manipal University of Health, Medical and Technological Sciences, Gangtok is incorporated under the State Legislative Act (Act IX of 1995) by the Government of Sikkim and is recognised by the Ministry of Human Resource Development and the University Grants Commission under Section 2(f). The University offers a variety of technological courses in engineering branch. Medical courses are in the offing. Distance learning would be its main strength for offering need based innovative and job oriented programmes and flexibility its cornerstone in terms of course offerings, delivery systems and processes. The University has signed a Memorandum of Understanding with IIEE for the advanced transfer of knowledge and delivery of the course programmes in the areas of Ecology and Environment; Disaster Mitigation; Sustainable Development and similar other courses in joint cooperation.

The Institute...

Prof. Dr. P.R. Trivedi

Chairman,

Indian Institute of Ecology and Environment,

A 15, Paryavaran Complex, South of Saket,

New Delhi-110030, India.

Tel :91-11-6865084, 6515079.

Fax :91-11-6967514.

<http://www.ecology.edu>

IEEE established on the occasion of World Environment Day, 5th June 1986, the Indian Institute of Ecology and Environment (IEEE) is the only institution of its type in this country dedicated for studies, training, research and consultancy in the areas of ecology, environment, pollution control, natural resources conservation, disaster mitigation and sustainable development in the third millennium. The Institute is situated in its own campus at Green Gate, A 14-15-16, Paryavaran Complex on Saket-Maidangarhi Marg in South Delhi between Saket and Indira Gandhi National Open University. The Institute is conducting the above mentioned two years distance learning Programmes in collaboration with Sikkim Manipal University of Health, Medical and Technological Sciences.

Experts in SMIMS:

Department of Anatomy:

Name	Qualification	Designation
Dr.Sandhya Dharwadkar	MS	Professor
Dr.Vishnu M.Dharwadkar	MS	Assoc.Professor
Dr.Prasad AM	M.Sc	Lecturer

Department of Physiology

Dr.Sarad Kr.Saxena	MD	Professor
Dr.S. Mukhopadhyay	Ph.D	Assoc.Professor
Dr.S.Sarbhadihari	MBBS.Ph.D	Asst.Professor
Dr.Prasunpriya Nayak	Ph.D	Asst.Professor
Dr.Shyam Sunder Dey	Ph.D	Asst.Professor
Mr.Balaji Bandopadhyay	M.Sc	Lecturer
Mr.Tarun Kanti Sen	M.Sc	Lecturer

Department of Biochemistry

Dr.D.M.Vasudevan	MD.FRC Path.	Professor
Dr.Rajendra Kedalya	MD	Assoc.Professor

Dr.Girish Prabhu	MD	Asst.Professor
Dr.Subir K.Das	Ph.D	Asst.Professor
Mr.Maneesh M	M.Sc	Lecturer
Mr.Rajsekhar	M.Sc	Lecturer

Department of Pharmacology

Mr.Amit Chakraborty	MD	Assoc.Professor
Dr.Binita Panigrahi	MD	Asst.Professor

Department of Pathology

Dr.Poornima Baliga	MD	Professor
Dr.Md.Shahabudin	MD	Asst.Professor

Department of Microbiology

Dr.T.Shanti Kr.Singh	MD	Professor
Dr.Devajyoti Majumdar	MD	Asst.Professor
Mr.Tukaram Prabhu	M.sc	Lecturer

Department of Forensic Medicine

Dr.Kishore Kr.Rai	MD	Asst.Professor
Dr.Bhoopinder Singh	Ph.D	Asst. Professor

Department of Community Medicine

Dr.P.P.Venugopalan	MD	Professor
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Department of Medicine

Dr.N.S.Rajagopal	MD	Professor
Dr.suman K.Panda	MD	Asst.Professor
Dr.Bidita Khandelwal	MD	Asst.Professor

Department of Chest Medicine

Dr.Indranil Chatterjee	MD	Asst.Professor
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Department of Paediatrics

Dr.Abhijit G. Majumdar	MD	Asst.Professor
Dr.G.P.Sapkota	MD	Asst.Professor

Department of Anaesthesia

Dr.V.Ramchandran	MD	Asst.Professor
Dr.S.Pradeep Angadi	MD	Asst.Professor
Dr.Paramita Gupta	MD	Asst.Professor

Department of Surgery

Dr. Subhajeet Dey	MS	Asst.Professor
Dr.Bhim Prasad	MS	Asst.Professor
Dr.Ranjal Pal Choudhury	MS	Asst.Professor

Department of Ophthalmology

Dr.Y.Singh	MS	Professor
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Department of ENT

Dr.Atri Bandopadhyay	MS	Asst.Professor
Dr.S.Chakraborty	MS	Asst.Professor

Department of OBG

Dr.A.Shanta Singh	MD	Assoc.Professor
Dr.Udayan Sarkar	MD	Assoc.Professor
Dr.Abhijit Aich	MD	Asst.Professor

Department of Radiology

Dr.Mukti Sarkar	MD	Asst.Professor
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Department of Dermatology

Dr.Sachin Verma	MD	Asst.Professor
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Department of Pschyciatry

Dr.Sanjeeba Dutta	MD	Asst.Professor
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Experts at Department of Agronomy

Name	Qualification	Designation
Rai R. N	MSc., Ph.D	Joint Director
Singh R. D	MS.C	

Department of Plant Breeding

Name	Qualification	Designation
Dhiman K. R	MSc., Ph.D	

Department of Plant Pathology

Name	Qualification	Designation
Gupta D.K	MSc., Ph.D	

Department of Animal Health

Name	Qualification	Designation
Mishra K. C	MSc., Ph.D	

Department of Animal Genetic and Breeding

Name	Qualification	Designation
Ghei J. C	MSc., Ph.D	

Krishi Vigyan Kendra Saramsa

Name	Qualification	Specialization
Thakur P.K	MSc	Agriculture Extension

