



PLACEMENT BROCHURE 2009-2010



SCHOOL OF ENGINEERING

TEZPUR UNIVERSITY, NAPAAM, TEZPUR, ASSAM - 784028

From The Dean

The Engineering School at Tezpur University is relatively new. It was established in the year 2006 along with the starting of the B. Tech programmes in CSE, ECE and ME. Two of the departments in the school, Computer Science and Electronics have been existing since 1994 and 1997 respectively, offering M. Tech and MCA programmes with their products making their mark in the industry as well as in the academia. Two more departments, Food Processing Technology (FPT) and Civil Engineering (CE) started in 2006 and 2009 respectively, have been included in the School. The FPT department offers an M. Tech and an M. Sc. programme and plans to start a B. Tech programme in 2010. The CE department offers a B. Tech programme. The admissions to the B. Tech programmes are made through the AIEEE while that for the PG programmes are done through the University's own entrance examination and also based on GATE score for the M. Tech programmes.

The first batch of B. Tech in CSE, ECE and ME will be passing out in June, 2010, while there shall be the 12th batch of MCA, 11th batches of M. Tech (IT) and M. Tech (Electronics), 4th batch of M. Tech (Bioelectronics), and the 3rd batches of M. Sc (FPT) that will pass out in June. These outgoing students have undergone training by a highly qualified and motivated group of faculty, based on curricula developed with significant inputs from the industry. The curricula give equal weight to theory and practice. The students have also been exposed to industrial training and development as well as research oriented projects, to give them the desired confidence and the outlook for innovation.

This brochure provides a quick glimpse of the departments and their programmes, faculty and the infrastructures. We welcome you to visit us and interact with our students and the faculty to know them better. The organizations that have employed our students have come back to us to recruit more of them. I invite your esteemed organization to send your recruitment team for in-campus recruitment of our students. I assure you that our students will be able to contribute to the growth of the organization in a very healthy way.



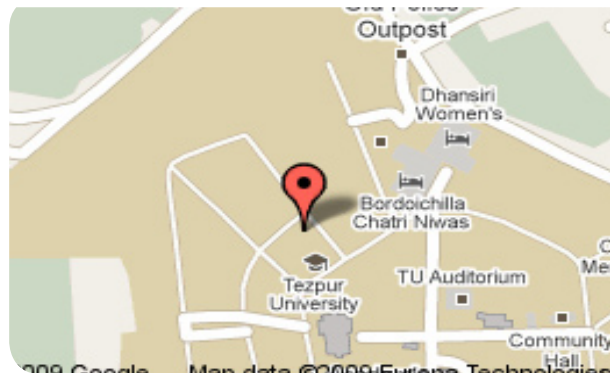
Prof. Dilip Saikia

Contents

Sl no.		Page no.
1.	About the University	1
2.	Facilities	2
3.	Programmes	3
4.	Department of Computer Science and Engineering	4
5.	Department of Electronics and Communication Engineering	6
6.	Department of Mechanical Engineering	8
7.	Department of Food Processing and Technology	10
8.	Faculty List	12
9.	Technical Fest	15
10.	Placements	16

About the University

Established on January 21, 1994 by an act of the Indian Parliament, Tezpur University is unique in itself. Created as a residential central university, it parts with conventional universities in nature, scope and focus. The University casts its attention to creating a world class centre of education with state-of-art facilities in the frontier areas of science & technology, management, humanities and social sciences and engineering.



Location

The 244-acre sprawling campus of the University is located at Napaam, about 15 km east of Tezpur town in the Sonitpur District of Assam. Napaam sits amidst serene surroundings perfectly congenial to the pursuit of education and research

How To Reach

Tezpur is connected by air, rail and road. It is 3.5 hours drive from Guwahati, the capital city of Assam. Guwahati is well connected by several flights from all the major cities of the country. Air Indian flights connect Tezpur with Kolkata. Delux bus service (both day and night) are available from Guwahati and other important cities and towns of the region.



Infrastructure & Facilities

The University has been mounting tremendous efforts to develop itself into a modern University, incorporating all elements from the contemporary scientific and socio-cultural milieu. It has already developed the required number of state-of-the-art laboratories, computing facilities, internet connectivity, a dedicated power supply system and a rich library having connectivity to several digital libraries.

Central Library



The Central Library of the university caters to the teaching and research needs of the University. It has around 30 thousand books, about 170 current and 2000 back volumes print journals, subscription to over 5500 electronic journals, around 100 audio-video cassettes and 500 CD-ROMS. Its facilities include Online Public Catalogue (OPAC), book-bank, and online access to over 60 databases and a number of other e-resources through UGC-Infonet and Indian National Digital Library for Engineering Science & Technology(INDEST) consortium.

Recreation

The University has excellent sports infrastructure. A World-class indoor badminton court, night playing facilities with flood lights are available for football, basketball, volley ball, lawn tennis and cricket. An air-conditioned gymnasium is available for students and staff.



Programmes

B.TECH

Electronics & Commn Engineering
Computer Science Engineering
Mechanical Engineering
Civil Engineering (Started in 2009)



Master of Computer science Application (MCA)



M.TECH

Electronics Design & Technology
Food Processing & Technology
Information Technology
Bio-Electronics

PhD

Selection Procedure

The admission to the B. Tech programme is through the AIEEE. Admission to the MCA programme is through the Tezpur University Entrance Examination (TUEE), and admission to MTech programmes is through TUEE as well as GATE. Admission to the PhD programme is based on interview and tests according to UGC guidelines.

Computer Science & Engineering

Programes	Started	Intake
MCA	1994	54
M.Tech(IT)	1997	28
B.Tech	2006	52

The Department of Computer Science and Engineering has emerged as a prominent centre for education and research in computer science, engineering and application. A strong faculty coupled with brilliant students selected through rigorous national level tests has enabled the department to produce quality intellectuals equipped with clear concepts and innovative thinking. The infrastructure and curriculum of the **DST-FIST** and **UGC-SAP** assisted department is designed and continuously upgraded to match the need of the hour. Many of the students are also involved in the several research projects in frontier areas of computer science funded by national agencies such as DIT, DST, ISRO, AICTE and UGC, and conducted by the faculty members of the department. Currently, there are 11 such externally funded projects totalling around rupees two crores. The department regularly organises national level conferences and workshops showcasing the state of the art in research in computer science. Eminent scientists from India and abroad have visited the department and interacted with the students and the faculty during such events and at other times.

Electives Offered

- Graph Theory
- Web Technology
- Image Processing
- Mobile Computing
- Theory of Computation
- System Analysis and Design
- Information Theory & Coding
- Advanced Computer Architecture
- Management Information System
- Computer Peripherals & Interfacing
- Robotics
- Grid Computing
- Computer Vision
- Wireless Communication
- Natural Language Processing
- Advanced Embedded Systems
- Advanced Software Engineering
- Fuzzy Logic and Neural Networks
- Network Management and Security
- Advanced Database Management System

FACILITIES

Laboratory facilities :

C
S
E

- 2 Logic Analyzer
- 1 DecAlpha System
- 4 Software Laboratories
- 1 Hardware Laboratory
- 1 SGI IRIS Workstation
- 1 Embedded Systems Lab
- 4-processor SGI Altix 350 Server
- 2 high-end HP-Visualize Work stations



- 1 IBM workstation.
- 1 SUN SPARC STATION 5(Solaris 2.3)
- Embedded System Trainer Kits
- 1 Mixed Mode Oscilloscope
- 7 main servers, 6 of which are linux (7.2) based, running on PIII and PIV processors, and one windows NT based, PC terminals connected to the campus wide LAN with access to the Internet.



C
S
E

Operating Systems:

Linux, Windows NT/XP/2000, Sun Solaris, Novel Intra Netware.

Packages:

DBMS, graphics, animation, multimedia authoring, GIS packages, Web servers, Lotus Domino server, Matlab, Mathematica, Matrox, SPSS.

Network Lab:

Wireless and wired network equipment, LAN & internet security trainers.

Network Security Lab:

L2 & L3 switches, Xeon Workstations, 1 server, Core2Quad Computers

Electronics & Communication Engineering

Programes	Started	Intake
M.Tech-Bio Electronics	2004	15
M.Tech-EDT	1997	35
B.Tech	2006	52

The Department was started in the year 1997 with the prime objective of imparting quality education in the fields of electronics and communication engineering at the undergraduate as well as the postgraduate level and to carryout research in the frontier areas of electronics and its applied areas. The department has been offering specialized as well as interdisciplinary courses to meet the needs of the industry and the academia nationally as well as globally. It has been the endeavor of the department to provide the best of infrastructures and facilities to the students and have the best available faculty so as to ensure best possible training to the students in the field of their specialization. The department believes in continuous up-gradation of its faculty, the courseware and the facilities to keep itself up-to-date in the fast changing world of technology so that its products have the competitive edge.

The department faculty members have been very active in research. The faculties regularly publish their research work in reputed international/ national journals and conferences. The faculty members are involved in sponsored research projects worth more than a crore of rupees. The students of postgraduate as well as undergraduate levels are also involved in these projects and are allowed to contribute with their innovative ideas.

Electives Offered

- VLSI Design
- Embedded Systems
- Bioneuro Engineering.
- Mobile Communication
- Digital Signal Processing
- Intelligent Instrumentation
- Advance Semiconductor Devices
- MEMS and Microsystems Technology
- Nano Electronics.
- Image Processing.
- Medical Electronics.
- Digital Signal Processor.
- Wireless Communication.
- Electronic Design Automation.
- Biomedical Signal Processing.
- Satellite Communication Systems.

FACILITIES

Laboratory facilities :

**E
C
E**

- VLSI Lab
- Control Systems Lab
- Basic Electronics Lab
- Digital Electronics Lab
- Communication Engineering Lab
- Image and Video Processing Lab



- Basic Electrical Engineering Lab
- Digital Signal Processing Lab.
- Electrical Machine Lab
- Microprocessor Lab
- Instrumentation Lab
- Microwave Lab.

**E
C
E**



Simulation tools:

LabVIEW, Microsim, Xilinx, ORCAD, GENIE, MATLab.

Operating systems:

LINUX, WINDOWS, DOS.

Programming Tools:

C, C++.

Special Hands on Expertise: Spectrum Analyzer, Data Acquisition Systems, Robotic Simulator, Vector Signal Analysis and Instrument Integration software, DSP Code Composer Studio.

Mechanical Engineering

Programes	Started	Intake
B.Tech	2006	54

The Department of Mechanical Engineering is set up with the goal of producing quality human resources to take up challenging assignments in industry. The Department is also committed towards Research & Development for the benefit of the industry and the society at large. Presently the Department is offering B. Tech. in Mechanical Engineering. M. Tech (Mechanical Engineering) and Ph. D. Programmes will be started in the near future. The yearlong B.Tech project which exposes students to innovative technology and latest industrial practices, prepares them for a strong start of their professional career. Several students are also involved in the research activities initiated by the faculty members.

Electives Offered

- Mechatronics
- Computer Aided Design
- Operation Management
- Advance Solid Mechanics
- Gas Turbine & Compressor
- Refigeration & Air conditioning
- Petroleum & Drilling Technology
- Computer Graphics & Solid Modelling
- Energy Conservation & Waste Heat Recovery

FACILITIES

Laboratory facilities :

*M
E*

Fluid Mechanics Lab
Material Science Lab
Turbomachineries Lab
Signals and Systems Lab
Industrial Metrology Lab
Strength of Materials Lab
CAD/CAM laboratory Lab
Dynamics of Machines Lab



*M
E*



Simulation tools:

Operating systems:

Programming Tools:

Special Hands on Expertise:

Pro-Engineering, Auto-CAD, ANSYS, FLUENT, Matlab

LINUX, WINDOWS

C, C++.

Finite Element Analysis, Design and Fabrication

Molecular Dynamics Simulation, C.I Engine Modeling & Simulation,

Multi-phase flow modeling for crude oil production.

Food Processing & Technology

Programes	Started	Intake
MSC	2006	19
M.Tech	2009	18
PhD	2008	03

The department of food processing technology is the only department of its kind in the entire northeast, India offering Msc, Mtech and Phd programmes. The department was established in august 2006 in order to generate manpower in the field of food processing technology to meet the demand of trained and skilled manpower in food processing industries and also to equip the students with knowledge and skills to take up self entrepreneurship. Two batches have already passed out from this department and the department has fulfilled its objectives in making the students trained and skilled manpower in this field. Most of the passed out students have been placed in well known food industries in the entire Northeast region.

Electives Offered

- Food analysis
- Food engineering
- Food microbiology
- Food quality assurance
- Business management
- Food product development
- Food processing principles
- Food packaging technology

FACILITIES

Laboratory facilities :

*F
P
T*

- Food analytical lab
- Food packaging lab
- Food processing lab
- Instrumentation lab
- Food engineering lab
- Food microbiology lab



*F
P
T*

Special hands of expertizes: Spray drying, biochemical analysis of food, microbe analysis and identification, fermentation and process control, preparation and quality control of dairy products, food packaging techniques, Analysis of packaging material. Analytical and quality control of fruit and vegetable products, heat exchanger systems, techniques of fluid mechanics, techniques in bakery and confectionary products.

Faculty

Computer Science & Engineering

Professors

Prof. Malay Ananda Dutta

Prof. Dilip Kr. Saikia

Prof. Dhruva K Bhattacharyya

Prof. Smriti Kumar Sinha

Specialization

Optimization, P=NP Problem

Networks, Mobile Computing

Data Mining, Cryptography

Workflow Automation, Web Technology

Associate Professors

Dr. Shyamanta M Hazarika

Dr. Utpal Sharma

Dr. Nityananda Sarma

Dr. Bhogeswar Bora

Mr. Sarat Saharia

Knowledge Representation and Reasoning, Cognitive Robotics

NLP, Compilers

Distributed Systems, Mobile Computing

Data Mining

Image Processing

Assistant Professors

Mr. S. Ibotombi Singh

Mr. Bhabesh Nath

Mr. Siddhartha S. Satapathy

Ms. Rosy Das

Mr. L.B Singh

Mr. Debojit Boro

Data Mining

Data Mining

Ad hoc Networks

Data Mining, Bioinformatics

Object Recognition, Pattern Matching

Network Security

Faculty

Electronics & Communication Engineering

Professors

Dr. M. Bhuyan

Dr. P.P. Sahu

Associate Professors

Dr. S. Bhattacharyya

Dr. J.C. Dutta

Assistant Professors

Mr. S. Sarma

Mr. S. Roy

Mr. R. Chutia

Mr. B. Deka

Ms. D. Hazarika

Mr. N. M. Kakoty

Mr. V. K. Nath

Mr. R. K. Baruah

Mr. B. Mondal

Mr. D. Sonowal

Specialization

Electronic Instrumentation, Sensor Design & Signal Processing.

Wireless Communication, Optical Network & its Components.

Microwave Antenna : MPA'S, MPA Substrates,

Broadband & Multi frequency Antennas.

Biosensors and Bioelectronics

Electronics Devices, FET Based Bioelectronic Device.

Bioelectronic Devices, Communication Engineering, Digital Design

Signal Processing, ANN & Fuzzy Logic,

Embedded System, Electronics Design & Technology.

Electronics Design & Technology,

Biomedical Image and Signal Processing

Signal Processing, Image & Video Processing.

Rehabilitation Robotics, MEMS.

Signal Processing, Image & Video Processing.

Low power VLSI circuits design,

Nano Scale Device Modeling and simulation,

Electronics Design & Technology, Gas sensors,

MEMS Design and Development, VLSI Design.

Electronics Design, Sensor.

Faculty

Mechanical Engineering

Associate Professors

Mr. Tapan Kumar Gogoi.

Specialization

Thermal, Energy & Environmental Engineering

Assistant Professors

Mr. Partha Pratim Dutta

Thermal Engineering

Mr. Palash Pratim Dutta

Computer Aided Analysis and Design

Mr. Parag Moni Kalita

Heat Power Engineering

Mr. Sushen Kirtania

Machine Design

Food Processing & Technology

Professors

Dr. Charu Lata Mahanta

Specialization

Food Science

Dr. Shankar Chandra Deka

Food Biochemistry

Associate Professors

Mr. Manuj k. Hazarika

Food & Dairy Engineering

Assistant Professors

Mr. Nandan Sit

Food Biotech Engineering

Ms. Poonam Mishra

Food Technology

Mr. Laxmikant Shivnath Badwaik

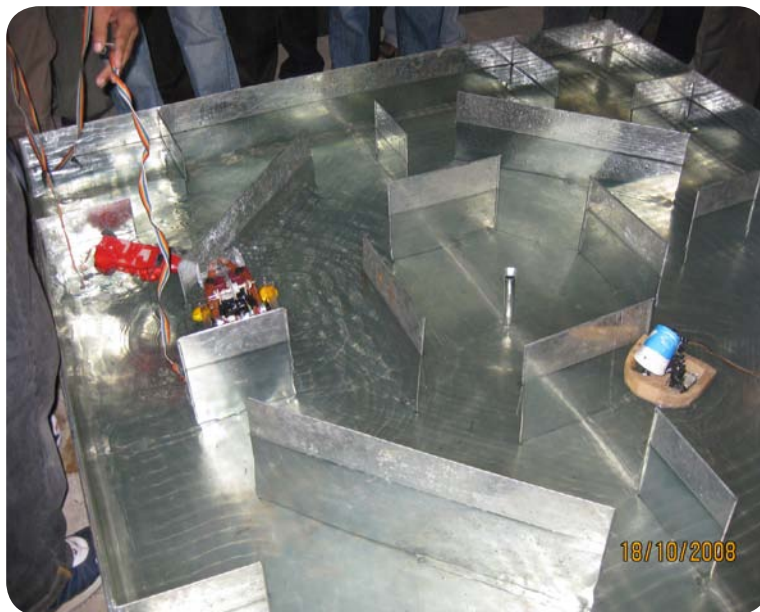
Food Engineering & Technology

Technical Festival



TechXetra, the annual technical festival of Tezpur University, organized under the initiative of the School of Engineering, aims at expanding the frontiers of technology by setting the highest standards for the rising techno-geeks and to encourage young minds. TechXetra presents a variety of events; robotics, structure designs, circuit designs, Defence and Science exhibitions, quiz, photography and literary events making it a phenomenal karmabhumi of technological events. Participants from various educational institutes all over India participate in the events.

TechXetra



Training & Placement

IBM	M A J O R R E C R U I T E R S	OIL
ISRO		TCS
IOCL		CTS
ONGC		NRL
DRDO		NGRI
AIRTEL		WIPRO
AIRCEL		NOKIA
ORACLE		Q-TECH
SAMEER		DELPHI
ANURAG		INFOSYS
ARICENT		LG SOFT
LSI-LOGIC		SIRITECH
TATA-ELEXI		SAMSUNG
ACCENTURE		ASIAN PAINTS
VODAPHONE		ITC INFOTECH
SYNOPSIS INDIA		LASER SPECTRA
TECH MAHINDRA		GE HEALTHCARE
RELIANCE TELECOM		ASIA CARBON LTD
GENERAL ELECTRICS		APCOTECH PVT. LTD
MOKSHA TECHNOLOGIES		PHILIPS SEMICONDUCTOR

Summer Training

Three months Industrial Summer Trainings for B.Tech 6th semester students. Client based projects in industries & R&D institutions like WIPRO, ITI, Philips Semiconductors, LSI Logic, CEERI, SCL, CSIO, IITs, CMMACS, GE, NIC, DRDO, etc. for M.Tech (ECE) and MCA students.

“Never give up efforts, even if you fail, the benefit you derive is experience.”

- M. K. Soni

**C
O
N
T
A
C
T
S**



**C
O
N
T
A
C
T
S**

Dr. Rajeev Kr. Doley.
Deputy Director Training & Placement
Tezpur University
E-mail: rkdoley@tezu.ernet.in
Tel. no: 03712- 267007/ 009 / 267129



School Of Engineering

TEZPUR UNIVERSITY, NAPAAM, TEZPUR, ASSAM - 784 028
Designed by Jaydeep, Gopal & Shaif, B.tech Programme
ujaydeep@gmail.com, shaifmech@gmail.com, gopal.kalita@gmail.com.