



Placement Brochure



School of Engineering
Tezpur University
2019 - 2020



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Message from the Vice-Chancellor



I am delighted to know that the students of School of Engineering of our University have taken up an important and much desired initiative of bringing out a Placement Brochure for the benefits of students seeking suitable Placement.

I am sure that while highlighting the achievements of the concerned departments under the School of Engineering, the brochure will provide all such relevant information about our students that would be of assistance to the recruiting agencies in considering them for employment. My dear students, the job scenario in the country has never been so good as now with the presence of homegrown companies, startup and multinational with global footprints and PSUs. In the contemporary national and global context, the right attitude, aptitude, and good skill sets are necessary pre-requisites for a job. To this end, I urge upon you to prepare yourselves accordingly with due diligence. I am sure there will be no difficulty in securing befitting employment.

I understand that the placement brochure would highlight our academic strengths including laboratory and class room infrastructure, quality of research and accomplishments of the faculty. The students profile and their achievements shall hopefully be the major focus of the text.

I wish you all a grand success.

Prof. Vinod Kumar Jain
Vice-Chancellor
Tezpur University

Message from the Dean

I am delighted to know that the students of School of Engineering, Tezpur University, are bringing out a placement brochure highlighting the eco-system, consisting of infrastructure, academic programmes, faculty and their research etc, in place to add skills to the basket of our engineering graduates. Outcome-Based Education framework adds thinking, psychomotor and other skills in the basket. Placement is a phenomenon of matching the skillset acquired by the students with the skill-set required by the employers.

Another dimension is self-placement. Opportunities in this dimension are available through the govt. initiatives under different names, 'start-up India', 'Make in India', 'skill India' etc., leading towards entrepreneurship. We have this in place in our eco-system under a single umbrella— Centre for Innovation, Incubation and Entrepreneurship. I hope our students will strive not only for placement in different organizations, but also for creating scopes of employment through start-ups. Future of India lies in this.



I appreciate the hard work and the efforts by the Professor-in-charge, Deputy Director, students and the staff of the placement cell of Tezpur University. I wish you all a grand success

A handwritten signature in purple ink, consisting of stylized, overlapping loops and lines.

Prof. Smriti Kumar Sinha
Dean School of Engineering
Tezpur University

Message from the Prof-In-Charge



Dear Recruiters,

I am privileged to welcome you all to the School of Engineering, Tezpur University, Assam, India. Ever since this Institute was established way back in 2006 it has been playing a very significant role in shaping and moulding the careers of aspiring young minds of engineering students through creation of plethora of thinkers & dreamers for tomorrow.

The academic environment of teaching & learning in our university is unique and very recently it has been ranked 20th position among the small university in the world. We are striving hard to inculcate in our engineering students to develop a technically innovative and creative mind with high ethical and moral values with utmost commitment to the society.

It is our proud privilege to extend your esteemed organization a cordial invitation to participate in the campus Recruitment process of our institute. However, in a very short spell of about 26 years Tezpur University has turned into a center of excellence both in technical education and higher education to combat the growing need of technological professionals in India as well as in the world.

Our students have continuously been able to excel not only in their field of study but also in co-Curricular activities. Training and Placement Cell supports the undergraduate students to undergo an eight-weeks training/internship in reputed organizations during the summer vacation in partial fulfilment of the recruitment of their B-Tech curriculum. The alumni of our institute are showing distinction in their respective positions.

We also try our level best to broaden their mindsets create positive attitude so that they can have all qualities required to make them a part of any prestigious organization. At Tezpur University, we take care to groom our students according to the needs of the industry, so that they can easily adjust to the


industry environment for a mutual benefit to students and industry.

Training and Placement Cell of Tezpur University has required infrastructure like seminar hall, video conferencing facility, and excellent accommodation arrangement etc. to organize campus placement activities.

We sincerely hope that your esteemed organization will surely visit our campus for the recruitment which will provide a platform to utilize the technical knowledge of our motivated young talented students establishing a synergetic interface. Besides we also invite the companies to take our third-year undergraduate students for summer training/internship as well as six-months internship with stipend for BTech, MCA and one year internship for MTech students.

Our Syllabus is regularly being updated with inputs from Industry and inclusion of Industry as well employment oriented modules in our subject is a regular phenomenon in our campus.

I sincerely invite you to visit our institute of higher learning and fulfill our endeavors of nation building.


Prof. Sankar Chandra Deka
Prof. In-Charge, T&P Cell
Tezpur University

Message from the Deputy Director

We would like to extend our sincere gratitude to all the esteemed organizations for their relentless support in transforming Tezpur University to one of the world class universities. It gives us immense pleasure to extend a warm and cordial invitation to participate in the Campus Recruitment Process of Tezpur University.



Our sincere effort in developing a highly collaborative relationship as a part of our Industry –Academia effort has further enhanced the skills of our students who come through the reputed Joint Entrance Examination (JEE). Tezpur University is Accredited “A” by NAAC and majority of our Engineering disciplines are NBA Accredited. Internships ranging from two months to one year both for our BTech and MTech are regular feature of our programmes. We add value to our students through effective soft skill and Technical grooming sessions and arrange highly interactive training sessions by industry experts from various domains. We are a reservoir, where dynamic and highly skilled young professionals are moulded in different fields to meet the ever increasing need of the industries and academic institutions. Our students get a lot of industrial exposure by their frequent industrial visits.

We leave no stone unturned to groom our students, not only in their chosen discipline, but also focus to instill in them all the necessary qualities to equip them to be an asset for the industries and the nation with high morale, socially committed and ethical individuals. The Student Placement coordinators of the “Training and Placement Cell” is a team of highly motivated students who forms a strong linkage between the companies & students to ensure a smooth Placement process which in-turn develop their student leadership skills. Thus we assure you that future Industry leaders with all the required competencies

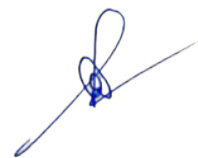
are available here. Our recruiters include the top global giants both from the Public sector and private sector. All our Technical departments are very open to promote innovative and R&D collaborative industrial problems, as projects to develop a strong liaison with our stakeholders.

We eagerly look forward to host you at our world class University for internships and final campus placement processes, already started from May 2019 for the batch of 2020.

We invite all our esteemed recruiters to visit our campus and conduct the entire process in person. We also have ample infrastructure to conduct mass online test, Skype interview, video-conferencing and telephonic rounds.

Please feel free to contact the “Training & Placement Cell” should you require any further information /clarification.

I wish the Campus recruitment programme a great success and shall always look forward to a mutually beneficial relationship with the recruiters.



Dr. Pijush Chandra Das
T&P Cell
Tezpur University

To
Esteemed Recruiters
Greetings from Tezpur University !

Tezpur University is situated at Tezpur in Central Assam (India) and recently ranked among the 20th best small universities of 2018, published by Times Higher Education World University ranking on 3rd August 2018. The University is NAAC "A" accredited and most of the Engineering programmes are NBA accredited. Our Computer Science and Engineering has been recognized as the Centre of Excellence by UGC for the period 2014-19. The University also ranked 5th among the top 100 universities by the MHRD- Institutional Ranking 2016. The Visitor's "Best University" Award 2016 (among the Central Universities) was also conferred on Tezpur University in 2016.

The School of Engineering, Tezpur University has established itself as a premiere institute of technical education in the country. A good number of our alumni have secured numerous challenging cum managerial high paid positions in many prestigious organizations in India and abroad. The professionalism and abilities of our students are proficiently reflected in the appreciative feedbacks we receive from our recruiters from time to time. The numbers of students graduating in June 2020 along with other relevant information are mentioned herewith:

B. Tech. (Through JEE)

• Electrical Engineering:	28 students
• Computer Science & Engineering:	55 students
• Electronics & Communication Engineering:	46 students
• Mechanical Engineering:	57 students
• Civil Engineering:	48 students
• Food Engineering & Technology:	24 students

M. Tech. (Through GATE & TUEE)

• Information Technology:	19 students
• Civil Engineering (Geotechnical) :	08 students
• Electronic Design & Technology:	22 students
• Bioelectronics:	09 students
• Mechanical Engg (M/C Design, Applied Mechanics, Thermal and Fluid):	15 students
• Food Engineering & Technology:	15 students
• Energy Technology:	22 students

MCA (Through TUEE)

• Computer Application:	41 students
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The University has a well-equipped state-of-the-art facility for conducting campus recruitment drives with the placement activities for the session 2019- 2020 commencing from the 1st week of August, 2019 and continuing till June 2020.

We take pride in cordially inviting you/your esteemed organizations to participate in our placement endeavor and look forward to welcoming you at our campus.

About Tezpur University



With its classical architecture blending with the tastes of technological advancements and the nature, Tezpur University is unique in itself. Located amidst serene environs, the 262-acre scrolling campus of the university symbolizes the power of an educational institution that transforms people's lives. The campus provides the best possible ambience for the pursuit of education and research with state-of-art infrastructure. Currently, the university offers 72 carefully chosen programmes at the undergraduate, post graduate and doctoral levels through 25 departments under 4 schools, viz., Engineering, Humanities and Social Sciences, Management and Sciences. Keeping its fingers at the pulse of the changing needs, the university regularly updates its curricula so that the products fit into the new requirements amid the expectations of the recruiters.

Programmes offered

1. Undergraduate

Bachelor of Technology (B.Tech)

The admission to the B.Tech. programmes is done through JEE by the CCB/CSAB counselling. There is also direct admission facility to the state rank holders from NE states.

- ➔ Civil Engineering
- ➔ Computer Science and Engineering (NBA Accreditation) from 2019-2022
- ➔ Electronics and Communication Engineering (NBA Accreditation) from 2019-2022
- ➔ Food Engineering and Technology (NBA Accreditation) from 2019-2022
- ➔ Mechanical Engineering (NBA Accreditation) from 2019-2022
- ➔ Electrical engineering

2. Post Graduate

Master of Technology (M.Tech.)

- ➔ Bioelectronics
- ➔ Electronics Design and Technology
- ➔ Energy Technology
- ➔ Food Engineering and Technology
- ➔ Information Technology
- ➔ Applied Mechanics
- ➔ Thermal and Fluid
- ➔ Geotechnical Engineering

ADMISSION PROCEDURE

The admission procedure to various programmes of the University is designed to ensure that the meritorious and deserving candidates make it to this institute. The sole criterion for obtaining a seat is assessed through reputed national level admission test as given below:

- ➔ JEE (Joint Entrance Examination)
- ➔ GATE (Graduate Aptitude Test in Engineering)
- ➔ TUEE (Tezpur University Entrance Examination)



About the Department

The department of Civil Engineering was established in 2009 with the B. Tech programme. The department also has been offering PhD since 2010 and has newly started M. Tech programme in 2018 with specialization in Geotechnical Engineering. The aim of the department is to provide quality education, research and professional experiences that enable our graduates to become leaders in their profession, community and nation and to be competitive in the international scene. The department is AICTE approved.

Vision

Continuous movement towards perfection in learning and teaching, and realizing their outcomes through creation of the best human resources in civil engineering and the most appropriate technologies in the discipline.

To be a major contributor for the technological and social development of the country in general and the North-eastern India in particular.

To be a significant contributor to the advancement of knowledge in the civil engineering and allied disciplines through research and development, and by grooming future researchers.

To promote application of green technology in different areas of Civil Engineering.

Mission

To stay in the forefront of knowledge in the disciplines of Civil Engineering.

To produce excellent human resources in civil engineering through high quality teaching and research programmes.

Academic and Research Program



The department currently offers three programmes.

- ➔ 4 year B. Tech in Civil Engineering.
- ➔ 2 year M. Tech. in Civil Engineering with specialization in Geotechnical Engineering.
- ➔ PhD in Civil Engineering.

Conferences, workshops and short term courses organised

The department, from time to time has organised National Conferences, workshops and short term courses in order to broaden the knowledge base and to provide the necessary exposure to the students as well as the faculty.



Major Events organized

- ➔ AICTE – NEQIP sponsored two day National Seminar cum Workshop on “Advances in Civil and Infrastructure Engineering (ACIE), May 2015.
- ➔ AICTE-NEQIP International Training Course on Geosynthetics and Their Applications in Road Construction and Slope Stabilization, December 2016.
- ➔ AICTE-NEQIP sponsored 5 day workshop on Current Developments in Engineering, January – February 2017.
- ➔ AICTE – NEQIP sponsored two day National conference on “Advances in Civil and Infrastructure Engineering (ACIE), February 2018.

Infrastructure, Laboratories and Testing Facilities



The departmental laboratories such as Structural Laboratory, Geotechnical Laboratory, Hydraulics Laboratory, Environmental Laboratory, Transportation laboratory and Surveying Laboratory are equipped with all the basic instruments necessary for the curriculum complimented by a number of advanced instruments such as Triaxial Apparatus, Atomic Adsorption Spectrophotometer, Universal Testing Machine etc. helping in research and consultancy activities. The Computing Facility in the department includes software such as MATLAB and SIMULINK, PLAXIS 2D, AUTOCAD, SAP 2000, ETABS version 9 etc.



A view of the Powergrid team visiting the department.



About the Departement

The Department of Computer Science and Engineering came into existence in 2006. Earlier there were the Departments of Computer Science (1994) and Information Technology (1997). The academic programmes in the Department have been designed keeping in mind the global need of skilled manpower in the field of Computer Science and Information Technology. The Department strives to impart quality technical knowledge and skills, and promote research in the field.

Vision

To be a dedicated centre of learning and research in computer science and engineering for creating competent professionals capable of taking leading roles in industry, academia, entrepreneurship and application.

Mission

1. To create a lively environment for the students and faculty for personal and professional growth with high ethical standards.
2. To continuously upgrade the curriculum and laboratory facilities to train the students in latest technology for better employability.
3. To involve the students in individual as well as team projects for solving challenging problems in computer engineering and applications.
4. To create a centre of excellence on frontier areas of research.
5. To facilitate consultancy work by the faculty for industry and the public sectors.

Facilities

📦 **Library:** Apart from the central library common to the entire university, the department has a library of its own under the banner of the TUCS (Tezpur University Computer Society). The library has nearly 1400 volumes of text books and reference books, 14 different journals and periodicals.

📦 **High Performance Computing Centre (HPCC):** PARAM-TEZ, the supercomputing facility is sponsored by DeitY & has been set up in collaboration with C-DAC Pune. The HPCC consists of 12 TF HPC system having 50TB of storage capacity along with three numbers of C-DAC's indigenously built supercomputers - PARAM Shavak having compute power of around 3TF each.

The department has the following laboratories catering to the different areas of Computer Science & Information Technology: Basic Hardware Lab, Basic Programming Lab, Software Engineering Lab, Mobile Computing Lab, Natural Language Processing Lab, Robotics Lab, Network Security Lab, Network Security & Malware Research Lab, Cognitive Radio Networks Lab, Networks Lab and ISEA Lab.

Academic & Research Programmes

B.Tech (CSE): The B.Tech programme is an AICTE approved and 4 years course that aims to impart knowledge in different areas of Computer Science, develop problem solving ability & programming skills of the students through rigorous evaluation & practical implementation.

MCA: The MCA programme is an AICTE approved 3 years course to produce high quality information system professionals by intensive theoretical and practical training in various aspects of Computer Science & Information System development.

M.Tech(IT): The M.Tech in Information Technology is an AICTE approved 4 semester full-time programme oriented for research and advance training in Computer Science & Information Technology.

Ph.D. (CSE): The Ph.D. programme in the department aims at providing the students with the state-of-the-art research facilities to pursue quality research in the core and allied areas of Computer Science & Engineering.

Research competence

Around 50-60 high quality research papers are published every year from the Department in various national & international journals. National conferences and workshops in collaboration with prestigious organizations have been organized covering the latest trends in the field of Computer Science & Information Technology. The Department received support from the following agencies – UGC under SAP (DRS-I & DRS-II), Department of Science & Technology (DST), Govt. of India & MHRD's Centre of Excellence. Further the Department is a participant of BRICS Network University, and a member of ISEA DeitY.

Research areas

- ➔ **Computer and Network Security,**
- ➔ **Biomimetic & Cognitive Robotics,**
- ➔ **Bioinformatics,**
- ➔ **Machine learning and Soft computing,**
- ➔ **Big Data Analytics,**
- ➔ **Mobile and Wireless Networking,**
- ➔ **Image Processing & Pattern Recognition,**
- ➔ **Information Retrieval Systems,**
- ➔ **Natural Language Processing,**
- ➔ **Speech Processing,**
- ➔ **Workflow analysis,**
- ➔ **Computer Vision,**
- ➔ **Algorithms and Optimization Techniques,**
- ➔ **Software Defined Networking and Cloud Computing**

workshops & seminars



1. Workshop on Knowing Cyber Attack - Adopting HoneyNet supported by Deity, Govt. Of India. (March 6-7, 2018)

2. Workshop on Cyber Security: Issues and Challenges supported by Ministry of IT, Govt. of India. (January 29-30, 2018)

3. AICTE sponsored Faculty Development Programme on Machine Intelligence and Internet of Things (IoT) supported by AICTE NEQIP. (February 19-23, 2018).

4. AICTE sponsored Faculty Development Programme on Algorithms in Applications supported by AICTE NEQIP. (December 26-30, 2017)

5. 5 Days Course on "When Good Algorithms Yield Bad Software" supported by GIAN, MHRD, Govt. of India. (November 20-24, 2017)



Prof. Ernst L. Leiss from the University of Houston, USA delivering a talk during the 5 days GIAN course on 'When good Algorithms Yield Bad Software' supported by MHRD, India

Skill sets

- ➔ Proficiency in Programming languages like C, C++, Java, Python, Matlab etc., Networking, Web Development, Data Science, Artificial Intelligence (AI), Machine Learning, IOT, Deep Learning.
- ➔ Students have experience in working with full-stack development, frontend backend, backend development, Machine Learning and Data Science.
- ➔ Students have actively participated in Trainings, Workshops and Hackathons all across India.
- ➔ Students have worked with technologies such as Flask, NodeJs, React, Angular, Tensorflow, Elasticsearch, Oracle, MongoDB.

Placements & internships

The students of the department pursue their internships in organizations like: Amazon, Intel, ONGC, Zaloni Technologies, GE Healthcare, Reverie Language Technologies, Software AG, Capgemini, Tech Mahindra, Athena Technologies, MediaMelon, Amtron, NIC, Wipro, IOCL, Infosys, DRDO, Doordarshan, C-DAC, HP, CSIR, BARC, etc.

And, the students of the department are employed in prestigious organizations like: Intel, Amazon, Samsung, GE Healthcare, Boston Consulting Group, Oracle India, Siemens, LG India, Sony India, HP India, eBay, HCL, C-DAC, NRL, OIL, ONGC, NIC, FCI, APDCL, POSOCO, Huawei Technologies, TCS, Wipro, Infosys, IBM, Tech Mahindra, Accenture, L&T Infotech, Cognizant, Zaloni, Reverie Language Technologies, Kovid Research Labs, Ekagga Technology, SAP Labs India, Software AG, Trip Born, Senseforth Tech, Py Technologies, UDM Global Solution, Zwayam Technologies, AppiVa Software, iNurture etc.

Achievements

- ➔ MHRD's Centre of Excellence,
- ➔ High Performance Computing Centre,
- ➔ Participant of BRICS Network University,
- ➔ Member of Ministry of IT's ISEA Project,
- ➔ Department received DST-UK- IERI Project,
- ➔ Department is selected for UGC SAP DRS Phase-II support,
- ➔ B.Tech in CSE is accredited by National Board of Accreditation (NBA).



Department of Electrical Engineering

AICTE Approved



About the Department

The Electrical Engineering department started in 2014 under the School of Engineering with the B.Tech program. The prime motive of the department is to impart quality education, training and research at the undergraduate level in forefront areas of Electrical Engineering and its allied technologies. The Department currently offers B.Tech in Electrical Engineering. This programme aims at producing engineers with sound basic and applied knowledge in Electrical Engineering. Department plans to expand its teaching and research infrastructure, enhance its industrial and research collaboration, and implement modern techniques for training to realize the above goal. The key areas of faculty expertise of the department includes Power System Engineering, Power Electronics, Nonlinear Analysis-Theory, Methods & Applications, Control Systems, Fractional Order Chaotic Systems, Converter and Inverter Topologies, Sensor Technologies, Smart Grid Technologies and Policy Design, Distributed Generation Based System Optimization, Renewable Energy Management, Bio-electronics and Neuro Engineering.

Vision

To emerge as a centre of academic excellence by imparting quality technical knowledge and executing research activities in frontier areas of Electrical Engineering to produce engineers that are competent to take key roles in Industry and Academia.

Mission

To produce electrical engineers that has strong theoretical foundation, good practical experience and exposure to research and development. To impart quality education, training and research at the undergraduate level in all the areas of Electrical Engineering and create nurturing environment for young minds by involving the students in individual and team projects or solving innovative problems in the applied fronts of Electrical Engineering. Also, to update our technological knowledge base and curriculum as per the changing trends in the Industry and research innovations.

Facilities

Laboratory Facilities:

Basic Electrical Engineering Laboratory, Network Laboratory (The lab is equipped with number DMM, Analog Voltmeters and Ammeters, DSO, CRO, Function generator and various trainer kits), Measurement and Instrumentation Laboratory, Electrical Machine Laboratory (Sponsored under the AICTE-NEQIP Scheme. The laboratory is well stocked with Ammeters, Voltmeters, Power Factor Meters, Wattmeters, Tachometers, etc.), Power Systems Laboratory. Addition to these laboratories, Advanced Power Electronics and Drives Lab, the department also offers its students experience in laboratory with the assistance from Electronics and Communication Engineering Department which include Basic Electronics Laboratory, Power Electronics Laboratory, Computer Laboratory (Software), Communication Laboratory, DSP Laboratory, Image Processing Laboratory and Hardware Laboratory



Research Competence

Load frequency control, voltage control, power system operation and control, deregulated power system, solar photovoltaic, techno economic assessment of hybrid system for rural electrification, Micro grid and smart grid protection, control systems, Electrical Machines, Power Systems, Power Electronics and Analog Electronics.

Industrial Exposure

The students of this department have the industrial exposure in various institutions/organisations namely:

National Thermal Power Corporation Ltd.; Bharat Heavy Electricals Ltd., Bhopal; Tata Steel Limited (TSL), Jamshedpur; National Power Training Institute (NPTI); Indian Oil Corporation (IOCL); Power Grid Corporation of India Limited (PGCIL); Delhi Metro Rail Corporation, Delhi; Central Tool Room and Training Centre (CTTC), Bhuvanagar; Assam Power Generation Corporation Ltd.; Assam Power Distribution Corporation Ltd.; Oil and Natural Gas Corporation (ONGC)- Tripura Power Plant; Oil India Limited (OIL), Duliajan

Summer/winter Internship

They undergo 2 months rigorous training in organizations like Powergrid, OIL, IOC, NEEPCO, POSOCO, APDCL etc.

Students Skills

- MATLAB
- JAVA
- PLC
- PYTHON

Projects & Publications

A good number of Projects have been funded by Research and Innovation Grants (Tezpur University), ICAR. Total number of publications in National and International Journals and Conferences till 2018 is 99.

Placement

Powergrid, POSOCO, APDCL, IMEG, TCS Genworks, Bureau Veritas etc.



Power System Lab



Machine lab

Department of Electronics and Communication Engineering

NBA Accredited, AICTE Approved



About the Department

Established in 1997, the Department of Electronics and Communication Engineering is one of the oldest departments in the University. Starting with an M.Tech. programme in Electronics Design and Technology, the department has subsequently introduced another programme in Bioelectronics under the Teaching and Research in Interdisciplinary and Emerging Areas scheme of the University Grants Commission.

The department expanded its academic activities to UG programmes, first with a B. Tech. programme in Electronics and Communication Engineering in 2006 followed by another in Electrical Engineering in 2014 (which, since September 2016, is being offered under the newly formed department of Electrical Engineering).

At present, the department has a student strength of about 400. This department is UGC-SAP and DST-FIST assisted department as recognized by Government of India. The B. Tech course in the department is AICTE approved and NBA accredited and M. Tech courses are AICTE approved.

Vision

To develop as a center of excellence in Electronics and Communication Engineering through creative and innovative practices in teaching, learning and

Mission

The mission of the department of Electronics and Communication Engineering are:

1. To impart quality education, training and research at the undergraduate, post graduate and doctoral levels in all the areas of Electronics and Communication Engineering.
2. To inculcate a perceptive alacrity to observe, identify real life problems, formulate strategies for solution and evolve contextually effective solutions.
3. To deliver theoretical base, advanced technological concepts, teamwork spirit, ethics, human values, practical base, research and development to the students, extension activities to other organizations through creation of advanced facilities and providing platforms for synergy.



Programmes Educational objectives

The programme educational objectives (PEOs) of the B. Tech programme in Electronics and Communication Engineering in School of Engineering, Tezpur University are as follows:

1. To prepare the students with good understanding of the respective subjects with design, analytical and problem solving skills.
2. To train the students with knowledge of latest design trends.
3. To inculcate in students the sense of ethics, morality, professionalism, creativity, leadership, independent thinking, self confidence, good communication skills and prepare them to become successful engineers who can work worldwide in industries and research & development laboratories.
4. To introduce the research world to them so that they feel motivated for higher studies and innovation not only in their own domain but multidisciplinary domain.

The program educational objectives (PEOs) of the M. Tech programme in Bioelectronics and in Electronics Design and Technology in School of Engineering, Tezpur University are as follows:

1. To produce globally capable graduates in the domain of bioelectronics with knowledge in the areas of electronics engineering, design analytics and problem solving skills for success in professional careers in industry, academia and public service.
2. To produce graduates motivated towards research and innovations in the broad area of bioelectronics by providing a stimulating research and learning environment.
3. To encourage the graduates to practice the profession following ethical codes, social responsibility and accountability.
4. To imbibe in the graduates an attitude for life-long learning process.

LABORATORY FACILITIES

Department is equipped with enormous number of work station for students in various lab. The general software lab is equipped with design tools like CPLD-FPGA Electronic Design Automation (EDA) software, High Performance Data acquisition- Control- Manipulation Software- GENIE lab View, XILINX, ORCAD, ICCAD, PCB Layout tool. The various labs that have been established in department are:



Basic Electronics Laboratory, Design and Prototyping Laboratory (Workshop), M. Tech. Project Laboratory, Computer Laboratory (Software), Communication Laboratory, Microwave Laboratory, DSP Laboratory, Image Processing Laboratory, VLSI & MEMS, Instrumentation Laboratory, Bioelectronics Laboratory, Neuro-bioengineering Laboratory, Optical Fiber Laboratory, Healthcare Informatics and Management Laboratory, Micro fabrication/MEMS Laboratory.

Few Specific high impact factor Publication

1. P. P. Sahu, "Theoretical Investigation of All optical switch based on compact surface plasmonic two mode interference coupler", IEEE/ OSA J of Lightwave Technology, 34(4), 1300-1305, 2016.
2. H. Das, D. Das, R. Doley and P. P. Sahu, " Quantifying Demyelination in NK venom treated nerve using its electric circuit model" Scientific reports (Nature), 6:22385, 2016.

Research Laboratory

This research laboratory is exclusively for Ph.D students. It includes:

- 1) Power electronics laboratory
- 2) Microwave engineering laboratory
- 3) Microfabrication laboratory
- 4) Sensor and system laboratory
- 5) Bioelectronics laboratory
- 6) Computer Vision and Image Processing laboratory



3. Bhabesh Deka, Sumit Datta, and Sanjeev Handique, Wavelet Tree Support Detection for Compressed Sensing MRI Reconstruction, IEEE Signal Processing Letters, vol. 25, no. 5, pp. 730-734, May 2018, DOI: 10.1109/LSP.2018.2824251.

4. L Dutta, C Talukdar, A Hazarika, M Bhuyan, A Novel Low-Cost Hand-Held Tea Flavor Estimation System, IEEE Transactions on Industrial Electronics 65 (6), 4983-4990, 2018

Some specific research projects

1	Modeling and Simulation of Bioelectronic Devices-Cylindrical Ion Sensitive Field Effect Transistor (ISFET) and Enzyme Field Effect Transistor (ENFET) –UGC funded	Dr. J. C. Dutta
2	Design, Development and Testing of Planar Waveguide device using Silica on Silicon Technology for Optical Network –UGC funded	Dr. P. P. Sahu
3	Design of Microstrip Patch Antenna on Profiled Thickness Polymer Substrates for Bandwidth Enhancement –AICTE funded	Dr. S. Bhattacharyya
4	Detection of Nerve Injury Recovery by Intelligent Processing of Nerve Conduction Velocity (NCV) and Electromyogram (EMG) Signals –AICTE funded	Dr. M. Bhuyan
5	Setting up of Facilities for Fabrication of Micro-electro-Mechanical System (MEMS) Devices- DeiT funded	Dr. P. P. Sahu
6	Modeling and Simulation of Artificial Synapse – AICTE funded	Dr. S. Roy



Interaction with Industry

The department believes in industrial exposure of the students and has strong Industry- Academia interaction. Most of the B.Tech and M.Tech projects have applications in the Industries as these deliver issues and problems that arise in the Industries. Some of the Organizations where students get their Summer Internships and Project Trainings are Intel, Synopsis, GE Healthcare, Indian Oil Corp. Limited (IOCL), Oil India Limited (OIL), Indian Academy of Sciences (IAS), CDAC, ECIL, DRDO, Airport Authority of India, Indian Railways, Doordarshan, AMTRON etc.

Workshop and Seminars held

➔ “Industry Academia interactive meet on Micro-Nano System Technologies” was organized during March 3-4, 2017.

➔ Faculty Development Programme on Sensor and Image Processing was organized during February 12-16, 2018.

➔ Three-day Workshop on “Mentor Graphics ASIC Design Flow”, an Initiative of Ministry of Electronics and Information Technology (MeitY), Govt. of India and ICT Academy IIT Guwahati with support from CoreEL Technology was organized during April 26-28, 2018.



Our Competencies

Our students are trained with latest development in both software and hardware technology. They are exposed to online and real problems in Industry and technology

Success Stories

Most of students are well placed in both academic and industry. They excel in research and their professional career as evident from Alumni base.



A grooming session by Director HR, POSOCO(A PSU)



Department of Energy

AICTE Approved

About the Department

Department of Energy started in 1996, with an aim to produce man power pool in the field of energy and has been engaged in teaching and R & D covering the areas of renewable energy, energy management, energy-environment interaction, fossil energy systems by multi-specialized group of faculty members using state of the art laboratory facilities. Regular scientific meetings (conferences, workshops and seminars) with the involvement of national and international experts organized by the department has been another aspects of attraction besides focused teaching and research.

Department is offering 2-year AICTE approved M Tech programme in Energy Technology from the year 2000. M Tech graduates are working/studying in reputed organizations/institutes including Nagoya Institute of Technology, Japan; GE Energy; METSO; TERI; BOSCH; SGS, India; MNRE; Tezpur University; NEHU; HERIST; SMIT, IISc, Bangalore; IIT, Delhi; IIT, Bombay; IIT, Guwahati; Imperial College, London; NUS, Singapore; NTU, Singapore; University of Exeter, UK; Cardiff University, UK .

One year M Tech project with exposure to variety of real life problems related to energy backed by flexible need based curriculum has been a unique selling point for the graduates of this Department enabling them to get positions in such organizations.

Vision

To emerge as a centre of excellence in education, research and innovation for the changing world in the areas of Energy.

Mission

To promote academic growth through need based curriculum, state-of-the-art R&D facilities and extension activities in the areas of energy.

- ➔ To foster cutting-edge research activities in conjunction with industry and society to address the challenges related to energy.
- ➔ To train graduates to serve the society by technological intervention, innovation and entrepreneurship development through renewable energy.

Facilities

- ➔ Smart IT enabled classrooms.
- ➔ Computer Laboratory for Energy Simulation.
- ➔ Seminar Hall and Conference Hall.
- ➔ Energy Laboratories.
- ➔ Entertainment space.

Academic & Research Programs

- ➔ Ph.D.
- ➔ MTech in Energy Technology (AICTE Approved).
- ➔ Post Graduate Diploma in Renewable Energy and Energy Management (Distance Mode).
- ➔ BVoc in Renewable Energy Management (Funded by UGC).



Thrust Areas of research

- ➔ **Solar Energy**
- ➔ **Biomass Energy**
- ➔ **Energy Efficient Building**
- ➔ **Energy Conservation & Management**
- ➔ **Energy Environment Interaction**
- ➔ **Decentralized Energy systems**
- ➔ **Hybrid Energy Systems**
- ➔ **Instrumentation and Control**
- ➔ **Internet of Things**
- ➔ **Hydrogen Energy & Fuel cells**
- ➔ **Batteries & Electric Vehicles (EV)**

Research

Around 20-25 high quality research papers are published every year from the Department Scopus Indexed Journals. The Department has ongoing research projects worth INR 502.59 Lakhs funded by various International and National agencies like SERB-DST, DBT, UG, DST, DST-RCUK, IUCER-CE, EPS-RC etc.

Industrial Collaboration

- ➔ **Source Facilities, Haryana.**
- ➔ **Biogen Industries, Jorhat.**
- ➔ **Cleanopolis, Tezpur.**
- ➔ **Local Tea Industries (Chandraprabha, Golaghat).**
- ➔ **Local Food Industries.**

Current MTechBatch Profile

There are 21 students in the outgoing Batch with a variety of academic backgrounds such as

1. B.E./B.Tech in Mechanical Engineering (4)
2. B.E./B.Tech in Electrical Engineering (6)
3. B.E./B.Tech in Chemical Engineering (2)
4. B.Tech in Energy Engineering (8)
5. B.E. in Instrumentation Engineering (1)

Area of Project (No. of ongoing projects)

- ➔ Solar Photovoltaics (5)
- ➔ Biomass and bio-chemicals (7)
- ➔ Energy Storage (1)
- ➔ Energy Conservation and Auditing (2)
- ➔ Micro hydro power generation (1)
- ➔ Hybrid Systems Design (2)
- ➔ Energy Materials (3)

Project Location (No. of Students)

- ➔ IIT Bombay (1)
- ➔ IIT Delhi (2)
- ➔ CSIR Jorhat (2)
- ➔ National Institute of Wind Energy, Chennai (1)
- ➔ Kerala Agricultural University (1)
- ➔ BCPL, Lepetkata, Assam (1)
- ➔ Tezpur University (13)

Students are trained in the laboratory equipment during their M Tech Project, besides hands on experience in simulation, design and analysis tools like PVsyst, ANSYS, MATLAB and HOMER

Skill Set



Apart from the use of latest equipments, M.Tech students also have hands on experience on simulation, design and analysis tools like PVsys, ANSYS, MATLAB and TRNSYS.

M.Tech. Project



Project work aims to generate new and useful knowledge/technology in the field of energy. The project works related to industry specific problems are also encouraged. The projects can be carried out in the laboratories of the Department or in collaboration with an industry/research organization or other universities.

Laboratories



Energy conservation lab



Bio Fuel lab



Energy Materials lab



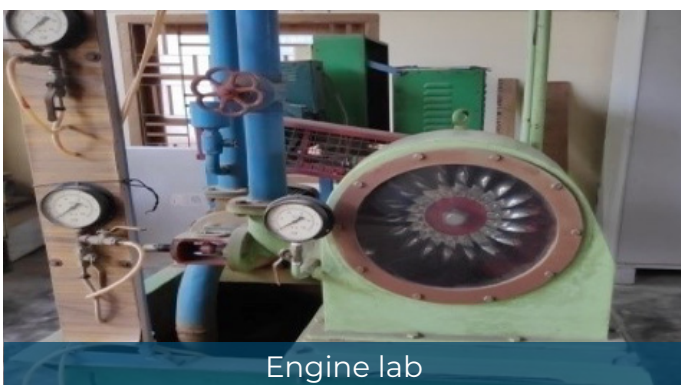
Energy Efficient Building lab



Solar Energy lab



Biomass conversion lab



Engine lab



Microhydel & IC



Hybrid Engine lab



Biomass Gasification lab



Department of Food Engineering and Technology

NBA Accredited, AICTE Approved

About the Department

The Department of Food Engineering and Technology believes in building holistic and endowed individuals through remarkable education. The programme details of the department are as follows

- ➔ B. Tech.
- ➔ M. Tech.
- ➔ Doctoral
- ➔ AICTE Approved
- ➔ AICTE Approved
- ➔ UGC Approved
- ➔ NBA accredited [Tier I (Washington Accord)]

Vision

- ➔ To create trained and skilled human resources well versed in engineering aspects of food processing to catch the needs of the rapidly growing food processing sector.

Mission

- ➔ To establish itself as the leader in human resource development for supporting the food processing sector.
- ➔ To improve food, produce trained personnel of highest standards for the benefits of the society.

Infrastructure

The Department of Food Engineering and Technology consists of 17 laboratories. The department has a state of the art facility that comprises of Instrumentation laboratories, Food Quality Control Laboratory for North Eastern states of India - NABL accredited and sponsored by the Ministry of Food Processing Industries (MoFPI) and Pilot plant. The highlights of some major equipment include HPLC, FTIR, GCMS, AAS, DSC, Spray drier, Texture Analyser, Rheometer, Encapsulator, Automatic Solvent Extraction System, Super-critical fluid extractor.



Events

- ➔ Skill Oriented Training Program on “Industrial Practices for Food Quality Assurance” from 22.02.2018 to 26.02.2018, with 40 number of participants.
- ➔ Finishing School on “Trends in Food and Bio Technology: Analytical approach” from 19 – 24th March 2018, with 40 number of participants.
- ➔ Two-Day industry academic interaction with Adani Wilmer Limited, Ahmedabad and Haldiram Snacks Pvt. Ltd., New Delhi, during 24th and 26th Jan, 2018.
- ➔ One-day industry academic interaction with SM Group Pvt. Ltd., Guwahati during 12th Feb, 2018. Two-day workshop on ISO 22000 (Food Safety Management System) Internal Auditor, 16-17 February, 2018.
- ➔ Skill Development Program on “Bakery and Bakery Product” organized by Adani Wilmar Limited (AWL) from 9th to 12th May, 2018.
- ➔ International Conference on Technological Innovations for Integration of Food and Health (TiiFH 2019): A focus on North-Eastern India from February 14-16, 2019.
- ➔ National symposium on “Probiotics and Functional Foods on Health Management” in association with the Probiotic Association of India (PAI), from 04 – 05 March, 2019.
- ➔ Two-day workshop on ISO/IEC 17025:2017 (General requirements for the competence of testing and calibration laboratories), from 8th to 9th May, 2019.

Research Competence

- ➔ International Journals: more than 200 papers; Patents File and Award: 07
- ➔ Sponsored Research Funding Agencies: DRDO-New Delhi, DST, DST-MoST, GoI, DBT-GoI, DST-MoFPI, AICTE, MSME, ICAR, DRL Tezpur, UGC, MoFPI, SARV-DST.
- ➔ Students Scholarships and Awards: UGC/CSIR; Nehru Fulbright, Newton-Bhaba, Split PhD Commonwealth overseas, Chinese Government fellowship, Women fellowship-DST, GATE fellowship, NEQIP fellowship,

Workshops and conferences



- ➔ The Department organised a National Seminar on “Trends and Innovation in Food Processing Technology: Prospects and Challenges (TIFPT)” on Feb 9-10, 2017



- ➔ Workshop on “Bakery and Confectionery Products” is conducted by the Department of Food Engineering and Technology in association with Adani Wilmer in the year 2018.
- ➔ Awareness workshops are conducted on World Food Day focusing on “Climate is changing; Food and agriculture must too” in the year 2016.
- ➔ UGC SAP sponsored National Seminar on “Research Trends in Food Processing: Value Addition & Enterprise Development (RTiFP)” was organised on March 27th, 2017.

Industrial Orientation programmes/Capacity Building



- ➔ ***Internal auditor training programme on ISO 22000 was conducted for two days to impart knowledge on Food safety standards to the students.***
- ➔ ***The students of our Department are given the training to operate and control the instrumentation by a finishing school programme at the end of the course***

Placements & Internships

The students of the department pursue their internships in organizations like: ITC Ltd., Adani Wilmar, Banas Dairy, Britannia, IIT KGP, Mother Dairy, Mondelez International, Emami, Coca-Cola, Amul, Perfetti, Tocklai Tea Research Association, SRD Mangaldoi, Dudh Sagar, IIFPT etc.

And, the students of the department are well placed in prestigious organizations like: ITC Ltd., Unibourne, Adani Wilmar, Nestle, Vimta, IBM, Tata Tea, Himalaya, Coca-Cola, ICICI Bank, Patanjali, Britannia, Emami, Dukes etc.

Upcoming events

27th Indian Convention of Food Scientists and Technologists (ICFoST) 18 - 20 Dec 2019 organized by Association of Food Scientists and Technologists (India) & AFST(I) Tezpur Chapter in association with Tezpur University, CFTRI, DFRL - DRDO and CSIR India.



About the Department

The Department of Mechanical Engineering has principal objective to cater to the latest need for technical man power in manufacturing sectors of the country. Since its inception in 2006, the department has been nurturing its talent through its academic programmes and specialized laboratories complying with the recent technological developments. It has uniquely qualified faculties who mentor the students in their endeavour to stand up for themselves and flourish as the torch bearers of tomorrow's industrial evolution.

The department offers AICTE approved B. Tech degree in Mechanical Engineering, M. Tech degree in Mechanical Engineering (with specializations in Applied Mechanics, Thermal and Fluid Engineering and Machine Design) and Ph.D. in Mechanical Engineering.

The B. Tech, Mechanical Engineering is provisionally accredited by NBA for the duration 2019-2022.

Vision

- To emerge as a centre of excellence producing quality engineers and contributing to cutting edge research for the greater benefit of the society and the corporate world.
- 3. To produce human resource for heavy engineering and manufacturing industries.
- 4. To imbibe human values, self-confidence and independent thinking in graduates.

Mission

- 1. To train graduates in handling Mechanical Engineering as well as interdisciplinary problems exploiting their domain knowledge and using latest technologies.
- 2. To carry out interdisciplinary research addressing critical issues, arising from the dual problem of limited natural resources and environmental hazards, leading to the development of alternative resources, energy management and sustainable systems design.



Facilities

Department Library: The Department has an individual library of its own apart from having a central library for all. It consists of technical books and articles related to Mechanical Engineering, as well as the reports of different projects undertaken by departmental students and faculty members.

Departmental Laboratory and Computing Facility: Technical education without hands on practical knowledge makes the learning incomplete. To comply onto the educational standards, we're equipped with state of art laboratories and workshops. The Departmental Laboratory includes Strength of Materials, Fluid Mechanics, Turbo-Machinery, Metrology, Vibration, Thermal Science, IC Engine, Engineering Mechanics, Renewable Thermal Energy and Theory of Machine Laboratories. The Department also has the state-of-the-art Computing Laboratory with the various design and analysis softwares like Pro-Engineer, ANSYS-Fluent Combo, MATLAB, Lab View, CATIA, COMSOL and AUTOCAD.



Central Workshop Facilities: Central Workshop is well equipped with CNC Lathe and Milling Machines (make MTAB), High speed precision Lathe Machine (HMT), Conventional Lathe Machines, Shaping Machine, Vertical Milling Machine (BFW), Horizontal Milling Machine (BFW), Universal Milling Machine (HMT). High precision Surface Grinding Machine (Praga Tools), Universal Tool and Cutter Grinder (HMT), Radial Drilling Machine, Double ended Pedestal Grinding Machine, Slotting Machine, AC and DC Arc welding Machines, Oxy Acetylene gas welding setup, TIG welding and MIG welding Machine, Plate bending Machine, Power hacksaw, Pipe Bending Machines etc.

Academic and Research Programs

B. Tech

The B. Tech program is designed to impart fundamental education and knowledge of Mechanical Engineering as well as contemporary science and technologies. Also to equip students with knowledge of the latest design codes and design philosophy for addressing critical industrial issues.

M. Tech

A four semester AICTE approved PG program in Mechanical Engineering is oriented towards research and advanced training in 3 specified fields viz.

1. Thermal and Fluid Engineering
2. Machine Design
3. Applied Mechanics

Ph.D.

Ph.D. being one of the highest honoured degrees in academics, the Mechanical Engineering department also shares the same fame. The department offers Ph.D. programme in various domains of Mechanical Engineering like Optimization, Advanced Material Science, Energy Systems and Modelling and Renewable Energy and Drying Technology. The program also orients aspiring students towards exploring and understanding contemporary scientific and technological development.

On an average 20-25 research papers are being published in esteemed national and international journals and conferences every year. Already good numbers of major Research Projects are funded by DST, SERB, MSME, UGC and AICTE have been successfully completed. Total number of publications in National & International level Journals and Conferences till 2019 is: 231

Research Areas

Student's Skill

- Ansys
- Catia
- Solidworks
- Hypermesh
- AutoCad
- MatLab
- Project management
- Microsoft Office
- Adobe photoshop

Research Competence

The Mechanical Engineering department has a major role to play in the current high-throughput technological era.

- Alternate fuel technology
- Renewable energy technology
- Computational Fluid Dynamics
- Optimization/Operational research
- Nanotechnology
- Computer-Aided-Design and Manufacturing
- Machine dynamics
- Characterization of metallic alloys
- Industrial waste management

Internship Exposure

Mercedes R&D Pune, Hindustan Aeronautics Limited (HAL), National Thermal Power Corporation Limited, IOCL- Haldia, Small Arms Factory (under Ministry of Defence) Kanpur, IIT Guwahati, Tata Institute of Fundamental Research (TIFR), Indian Institute of Science (IISc), IIT Kharagpur and other higher esteemed organizations.

Achievements

1. Prestigious Gandhian Young Technological Innovation (GYTI) Award won by Sau-
rav Jyoti Sarma, Abhjit Nath and Chandeeep S. Gogoi (batch: 2014-18) in 2019. The award
was presented by the Vice President of India to the students for developing a pani puri
vending machine that produces pani puri faster and in a hygienic manner.
2. Arindam Sinha, department of mechanical engineering (2016-20) qualified Mathe-
matics Olympiad 2017 organised by National Board of Higher Mathematics and got select-
ed among 75 awardees from North East India to attend a fully sponsored training conducted
by Mathematical Training and Talent Search (MTTS) and Department of Atomic Energy In-
dia.
3. Manoj Sharma (batch: 2016-20) participated in the PHOTOTRON event of the RO-
BOTICS module organised during Techniche 2018 at IIT Guwahati between 30th Aug-2nd
Sept and secured the 2nd position. He developed a bot which could navigate its way by
recognising hurdles and shapes through the arena and return back home.

Some Distinguish Alumni

Name	Present Designation
Sudipta Gayan	Indian Air Force Squadron Leader (UPSC CDS exam qualified)
Sabyasachi De	Senior Mechanical Engineer in NF Railways- Ma- lgaon Headquarters (UPSC- IES qualified with AIR 15)
Shamshad Alam	Scientist C at Bhaba Atomic Research Centre (BARC)
Vedanta Baruah	Assam Public Service Commission
Arindam Mahanta	Research and Development Engineer at ZF Group
Debasish Bharali	Senior Drilling Officer in OIL India Limited
Dr Shrutidhara Sarma	Faculty Indian Institute of Technology Jodhpur
Mayank Pandey	Works at CERN Laboratory (MS from Delft Univer- sity of Technology)
Swagata Borthakur	CAE Analyst at Mercedes-Benz Research & Devel- opment
Utpal Kakaty	Executive Engineer at Larsen and Toubro Ltd.
Dr. Bijay Lakshmi Saikia	Faculty Indian Institute of Technology Bombay
Abhishek Sinha	Manager at Mercedes-Benz India Pvt. Ltd.
Arief Ahmed Choudhury	Senior Engineer at Bharat Heavy Electricals Ltd.

Why recruit from Tezpur University

- ➔ **AN INSTITUTE OF EXCELLENCE** - Established with the motto 'Specialized Knowledge Promotes Creativity, the institute is recognized as a center of academic excellence. We encourage our students to push boundaries to explore new horizons of knowledge. Since its foundation, the institute has set many benchmarks in the field of research entirely made possible by its diverse pool of talents.
- ➔ **INDUSTRY ORIENTED CURRICULUM** - Tezpur University offers a myriad of choices to its students in the field of engineering, sciences, arts and management. The curriculum is designed to meet the current requirements of the industry and academics. The institute seeks to produce competent graduates who are not only able to shoulder professional responsibilities but are also better individuals as a whole ready to be absorbed into the Global Society.
- ➔ **OUR CULTURE** - Notwithstanding the tight schedule, the students of TU actively participate in various extracurricular activities. A host of activities ranging from inter hostel and inter departmental to national and international level competitions, festivals and seminars. Management skills are improvised with various exposures such as TechXetra and various other fests.
- ➔ **RANKINGS**- TU has featured in the list of top 20 small Universities in the world by TIMES Higher Education 2018. TU has been ranked among Top 800 Universities in the world by TIMES Higher Education Rankings 2016-17. It was also ranked among the Top 50 Young Universities in the world by TIMES Higher Education Rankings 2016-17. Many of its departments are NBA accredited.
NAAC has accredited TU with 'A' grade. It has also been awarded the Visitors Best University award in the year 2016.
- ➔ **SOCIETIES AND COMPETITIONS** - We encourage our students to join various societies and clubs. Our students are intimately associated with SAE and IEEE. Our students have brought us accolades in competitions like ROBOCON, EFFICYCLE, BAJA. BOUYGES CONSTRUCTION CHALLENGE and many...



Facilities for Recruiters



The University has created every possible facility required for conducting campus placement activities, and is well equipped with handpicked Training and Placement officers and a carefully crafted Training and Placement Cell, which is capable of handling and supporting the placement procedure at all stages. Any placement associated activity can be smoothly conducted for around 150 students at a time. Apart from that, the following facilities are available to aid the recruitment process :

- ✓ Infrastructure to support online and written screening tests.
- ✓ Well furnished, air-conditioned rooms for interviews and group discussions.
- ✓ Auditorium close to the office to conduct pre-placement talks and tests.
- ✓ Tele-interview rooms.
- ✓ Video-conferencing facility.
- ✓ Guesthouse with Boarding and Lodging (air-conditioned) facilities with luxury suites available for meeting the needs of guests.
- ✓ Conference Hall (equipped with Audio, multimedia computer and LCD projection facilities) having a seating capacity of 150 for pre-placement presentations.
- ✓ Guest House at Guwahati, where recruiters as well as students can stay.

Life at Tezpur University

Life at Tezpur University is meant to pique your curiosity and stimulate your intellect at every turn. So in spite of the tight academic schedule followed by the students, they eagerly pursue various extra-curricular activities, ranging from inter hostel sports to national and international level competitions. This also includes the mess and hostel infrastructure facilities being managed by the students, clubs and societies to promote technical, managerial and social well-being of the students.

Students' activity Center

The university has an in-built section to deal with the welfare of the students presently headed by the Dean of Students Welfare. The section comprises various clubs and centers like the TEDx, Movie Club, Astronomy Club, Philately Club, Drama Club, Nrityangan Dance Club Adventure Sports and Adda-The Quizzing Club, Sports Complex, Gymnasium etc.

Sports complex

The University's Sports Complex has modern facilities for sports like football, cricket, volleyball, lawn tennis, track and field events, basketball and many more.

Swimming Pool

A State-of-the-art Swimming pool was constructed under a special scheme of UGC with a world class ambience and its use by the TU fraternity.

Gymnasium

The students also avail themselves of an excellent mini indoor stadium and also a world class gymnasium equipped with the most modern and state-of-the-art equipments.

Techxetra

The annual technical festival of Tezpur University organized by the students of the School of Engineering during the month of October-November for a period of three days has given a new identity to the University itself. It hosts events like workshops, exhibitions, robotic events, invited lectures, webinars, hardcore quizzing, gaming and cultural extravaganza. Technical issues like Green Technology, Sustainable Energy and Water and their use with wherewithal are discussed over the years by a combination of students from around the country and other senior faculties and new age inventors.

Center of innovation, incubation and entrepreneurship:

The Center Of Innovation, Incubation And Entrepreneurship (CIIE) has started with the objective of promoting specialized knowledge in the field of entrepreneurship development, innovation and creative ideas.

SAE(SOCIETY OF AUTOMATIVE ENGINEERS)

With the prime motto to develop the automotive culture in the university, SAE encourages students to participate in national and international competitions like BAJA, EFFICYCLE etc. Tezpur University is the largest collegiate club of SAE in the entire North East region.

INSCIGNIS

The science fest of Tezpur University organized by the students of the School of Sciences on the occasion of National Science Day. Various competitions and events are held over a period of two days that include eminent talks from renowned personalities, webinars, quizzes and exhibitions.

UNIFEST

The University participates in the inter-university competitions and has won many prizes in cultural and literary events and quizzes.

ANNUAL MEET

Held every year in January, the Annual Meet comprises Inter-hostel sports, quiz and various other cultural and literary events.

IEEE

IEEE, Tezpur University conducts weekend classes for the students and has also conducted different activities such as hosting Talk Shows and many more.

Tezpur University Robotics Society(TURS)

Aims to promote exchange of information about robotics to simulate education in sciences and to promote the enjoyment of robotics as a hobby.

NCC

TU has its own NCC unit under 5 Assam Bn. Five National Integration Capms were organized in the campus during 2013 -17, Several students also take active part in the NCC CATC Camps and ATC camps.

NSS

National Service Scheme in Tezpur University intends to involve the students in nation building process by maintaining a link between the campus and the surrounding community.

Achievements

TU has been ranked among the Top 20 small Universities in the world by TIMES Higher Education Ranking 2018 & is the only Indian University to be featured in the list.



TU has been ranked among Top 800 Universities in the world by TIMES Higher Education Rankings 2016-17.

It was also ranked among the Top 50 Young Universities in the world by TIMES Higher Education Rankings 2016-17.

Also, it was ranked 5th among the Top Universities in India by NIRF 2015-16. It also received Visitor's Best University Award conferred by the President of India and was also accredited 'A' by NAAC.

Team Brahmaputra consisting of 24 Mechanical and Electronics and Communications Engineering students were able to clear the virtual round of BAJA, SAEINDIA 2016-17 and was selected for the main round.

Computer Science and Engineering Department received DST-UK- IERI Project and was selected for UGC SAP DRS Phase-II support.

Students of Civil Engineering department were awarded Outstanding Commitment in Innovation and Commercial Viability in the northeast students' Geo Congress held on 28th Sept 2013. Also, one of the student was selected through a nation wide competition and participated in the final round of the inter competition Defi Bouygues construction held in France during November 2014. The theme of the competition was Builders, Design the District of Tomorrow.

A good number of students from each department have qualified for GATE-2018.

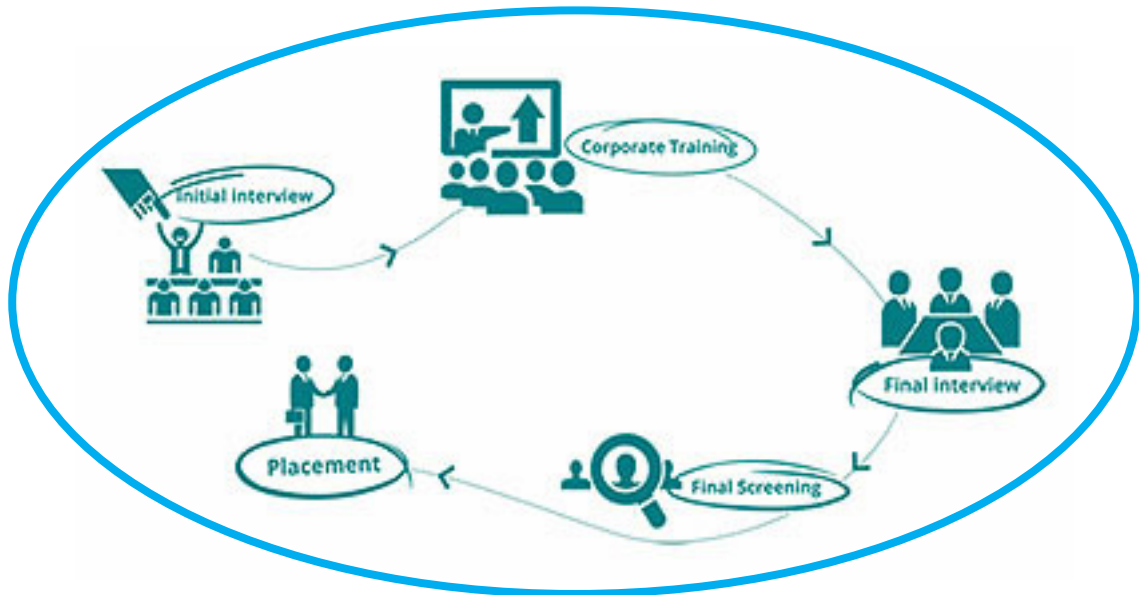
Two students of Electrical Engineering bagged second prize in the Unifest Nationals for Drama, 2016.

Placement Process

- ✓ Placement Office send invitations to the Organizations along with relevant information.
- ✓ The organizations interested in recruiting our students are registered with the T&P cell.
- ✓ On confirmation, the Organization sends a job announcement letter showing job details and requirement criteria.

Past Recruiters

AMAZON
ACCENTURE
AGC NETWORKS LTD
ADANI WILMAR LTD
ALUFORM INDIA
ASSAM STATE ELECTRICITY BOARD(ASEB)
ASHOK LEYLAND
ASRAY FOOD

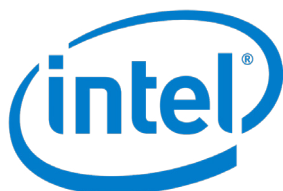


- ✓ If the organization is interested in conducting a PrePlacement Talk (PPT) they can send a request along with the preferred dates.
- ✓ The announcement letter is made available to the students.
- ✓ Listed according to the eligibility criteria.
- ✓ Date(s) for recruitment is/are fixed as per convenience of the company and students. Organizations conduct the events at the campus on the allotted date(s)
- ✓ Offer/joining letters are given to the selected candidates. The placement office also coordinates the signing of offer letters by selected students to ensure that they reach the Organization by the due date.

ASIAN PAINTS
AUTOMOVILL TECHNOLOGIES
BERGER PAINTS INDIA LTD
BRITANIA INDUSTRIES LTD
BCPL
BSNL
BOSCH
CAPGEMINI
CALCOM CEMENT
CG FOODS
COFFEE DAY BEVERAGES
COGNIZANT
COLABERA
CONCEPT EDUCATIONS
CUMMINS INDIA
DRDO
DALMIA CEMENTS
DABUR
ELEATION
EMC SOFTWARE AND SERVICES
ERICSSONEXILENT TECHNOLOGIES
FOOD CORPORATION OF INDIA
FACE

GANDHI FELLOWSHIP
GIRJANANDA CHOWDHURY INSTITUTE
OF MANAGEMENT AND TECHNOLOGY
(GIMT)
HINDUSTAN MOTORS
HCL HONEYWELL TECHNOLOGIES
HP
HUWAEI TECHNOLOGIES
ITC FOODS
INDIAN ARMY
INDIAN AIR FORCE
IOCL
IBM
ICAR
ICICI BANK
IDBI
INDIA FIRST
INFOSYS
INTEL
INURTURE
JINDAL STEEL AND POWER
KALPATARU POWER TRANSMISSION PVT
LTD
KEC INTERNATIONALS
KOVID RESEARCH LABS
LARSEN & TOUBRO(L&T)
LINKEDIN
LINNOVATE TECHNOLOGIES
MPHASIS
NEIST
NEEPCO
NERAMC
NESTLE
NETCRACKER ONLINE SERVICES
NTPC
NOKIA
NUCLEAR POWER CORPORATION OF
INDIA
NILE STREAM INFRA
OIL
ONGC
ORACLE

ONYCON INFRASTRUCTURE
PARKING RHINO
POWER GRID CORPORATION OF INDIA LTD(PGCIL)
PHRONESIS
PATANJALI
PRADAN
PRAGMATIC SOFTWARE
PY TECHNOLOGIES
PEPSI
QUAQUA
REGALIX INDIA PVT LTD
RELIANCE
REVERIE LANGUAGE TECHNOLOGIES
SAP LABS
SIEMENS
SIMPLEX INFRASTRUCTURES LTD.
SONY
SOFTWARE AG
SRIRAM TRANSPORT
STAR CEMENT
SYNTEL
TEACH FOR INDIA
TECH MAHINDRA
TCS
TEXAS INSTRUMENTS
TECHNOSOFT CONSULTANCIES
TRIP BORN
UNISYS
UNIBOURNE
UBI
UDM GLOBAL SOLUTION
VIMTA LABS
VODAFONE
WIPRO
WSP RETAILER
XL DYNAMICS
ZALONI PVT LTD





POWER GRID CORPORATION OF INDIA LIMITED
World Class, Integrated, Global Transmission Company
(A Government of India Enterprise)



Piramal
School of Leadership



REVERIE



PY TECHNOLOGY



Interaction with Industry Experts & Training Activities:

As a part of Industry interaction & collaboration the cell arranges preparatory and motivational talks by various industry experts from different fields for the benefit of students. The cell also regularly organizes appropriately designed grooming sessions before the actual placement activities take place. The grooming sessions comprises both soft skill training and technical training ranging from 3 to 15 days duration. In December 2018 students overwhelmingly participated in Java, Machine Learning with Python & R, SAP 2000, CATIA, MATLAB training.



An Interactive session with students by BCPL GM-HR Team



BCPL HR team visits Tezpur University



CMD OIL Visits Tezpur University



POSOCO HR Director at Tezpur University



Ms Rasika Saikia, Google HR at Tezpur University



Verilog Training 22-24th December 2018

RECENT AWARDS/ ACCOLADES

- ➔ **NAAC Accreditation-A Grade.**
- ➔ **QS BRICS University Rankings 2019: 146th**
- ➔ **Times Higher Education (THE) world's Top 20 Best Small Universities 2018: 20th**
- ➔ **THE Asia University Rankings 2018: 100th**
TU tops universities in India, 7th among all Higher Educational Institutions (HEIs), 4th in "Research"
- ➔ **NIRF India Rankings 2019: 29th among universities**
- ➔ **Visitor's Awards in "Research" category: 2017 & 2018**
- ➔ **Gandhian Young Technological Innovation Awards : 2017, 2018 and 2019**

Important International Collaborations

- ➔ **Queen's University Belfast, UK**
- ➔ **University of Bremen, Germany**
- ➔ **National University of Science & Technology MISIS, Russia**
- ➔ **Russian State University for Humanities, Moscow**
- ➔ **Avans University of Applied Sciences, Netherland**
- ➔ **KTH Royal Institute of Technology Stockholm, Sweden**
- ➔ **University of Auckland, New Zealand**
- ➔ **Vietnam Military Medical University, Hanoi Vietnam**
- ➔ **University of Malaya, Malaysia**
- ➔ **The University of Nottingham, UK**
- ➔ **National Chung Hsing University, Taiwan**

Upcoming Major International Conference

8th International Conference on **Pattern Recognition and Machine Intelligence**
December 17-20, 2019 Organized by Tezpur University (TU), Tezpur, India
in collaboration with Machine Intelligence Unit, Indian Statistical Institute (ISI),
Kolkata, India & Department of EEE, Indian Institute of Technology Guwahati
(IIT Guwahati), India.

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Salam Shreekant

Placement Brochure

School of Engineering

Tezpur University

2019-20

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