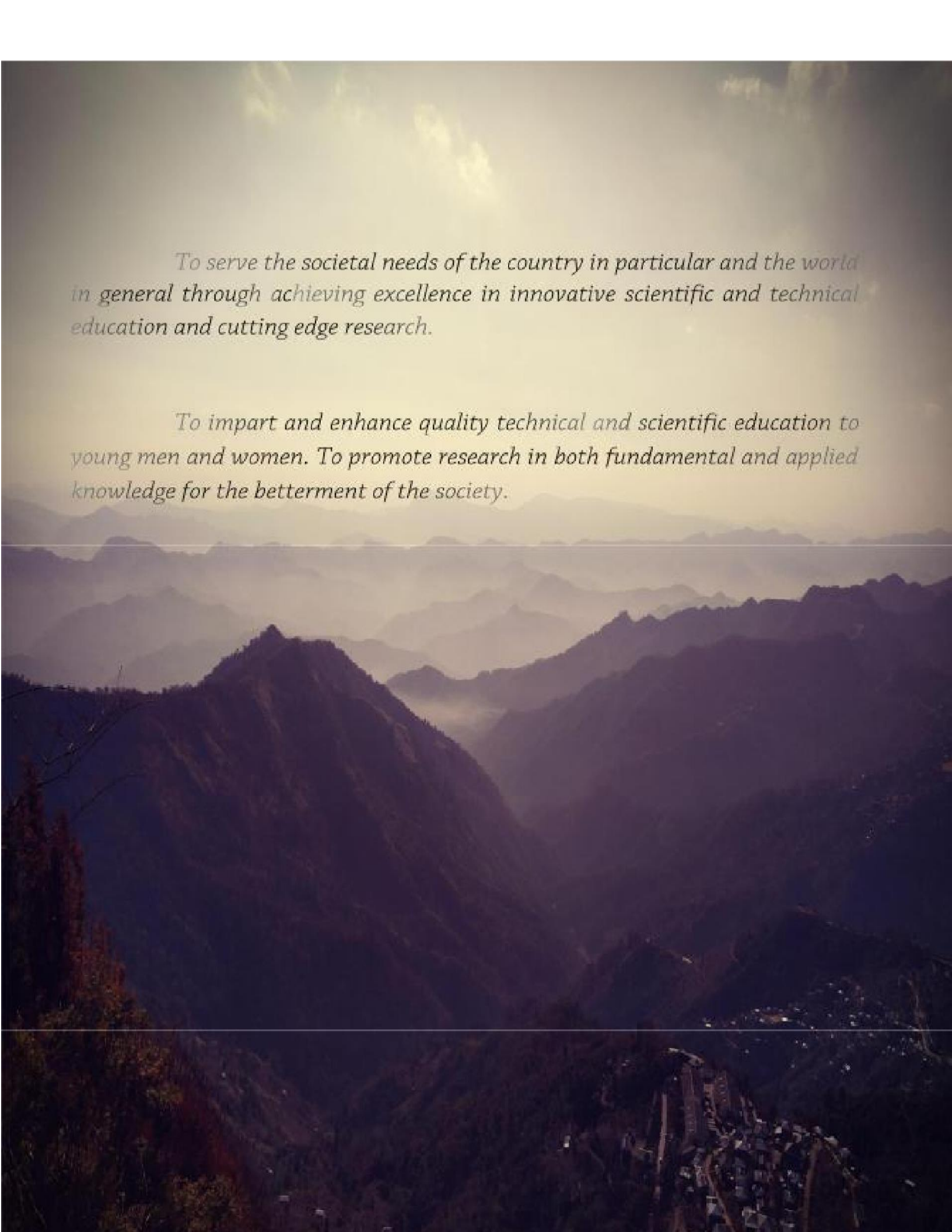


National Institute of Technology Mizoram
Training and Placement Guide



To serve the societal needs of the country in particular and the world in general through achieving excellence in innovative scientific and technical education and cutting edge research.

To impart and enhance quality technical and scientific education to young men and women. To promote research in both fundamental and applied knowledge for the betterment of the society.

From the Director's Desk.



NIT Mizoram, an institute of National Importance, is one of the new NIT's established in 2010 by Ministry of Human Resource Development, Govt. of India, New Delhi. NIT Mizoram strives for excellence, in every way possible. The lush green landscape and heavenly climate gives the students, the perfect atmosphere to study and also to rejuvenate them. The students have entered the institute by proving their academic merit in the earlier phase of their education. They are from different parts of the Nation, are a bunch of gems, in terms of their academic performance and of course personality wise. Equipped with modern digital library facilities, lab facilities, a learned teacher, the institute provides great quality education. The sports and cultural activities mold the students and give them an all-round development. Along with education, we aim to provide the students practical and real life knowledge, which help the students in their future endeavors. I take this opportunity to invite your esteemed organization to visit our NIT for recruitment. It will be a privilege for us to welcome you at NIT Mizoram.

Prof. Rajat Gupta
Director NIT Mizoram

From the Faculty Desk.



The National Institute of Technology Mizoram has a vision to provide quality technical education. It aims to produce high level scientists and technocrats for the necessity of the modern society. On behalf of the Institute, it is my immense pleasure to extend to you most cordial invitation to visit our Institute for campus selection for our upcoming young graduating engineers to serve your esteemed organization and nation through dedication and hard work. We earnestly invite you to be part of NIT Mizoram community and contribute your share to be part in building Industry-Institute interference which can only help to maintain our competitive edge.

Dr. Bachu Deb
(Training and Placement Officer)

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ABOUT THE INSTITUTE

The Ministry of Human Resources Development, Govt. of India vide its order no. F. 23-13-2009-TS-III Dated 30th of Oct. 2009 and 3rd March 2010, had decided to set up ten new NITs. In view of the above NIT Mizoram was started in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B.Tech, M.Tech, M.Sc. & PhD. degrees. This institute has been declared as an Institute of National Importance by an Act of Parliament. Here the students are admitted through All India Entrance Exam- Joint Entrance Exam (JEE Main).

NIT Mizoram is an Institute situated in the scenic beauty of Mizoram, wrapped between clouds and mountain rocks, which adds to its beauty. Being amongst the most educated states of our country with a literacy rate of 91%, it beholds a very peaceful and calm environment suitable for studies. The Institute, to cope with the present competitive needs, comprises of laboratories with the latest equipments and installed with best & latest softwares.



Undergraduate Programmes

Bachelor of Technology (B.Tech)

Admission through: JEE Main

Duration: 4 Years

Stream: Mechanical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering and Electrical and Electronics Engineering.



Graduate Programmes

Master of Technology (M.Tech)

Admission through: GATE + Interview

Duration: 2 years

Assistantship: Affiliated to course instructors or research projects.

M.Tech Project: 1 Year



Dept. of Mechanical Engineering

PROFILE

Mechanical Engineering is a discipline of engineering that applies the principles of physics and material sciences for analysis, design manufacturing and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production and operation of machines and tools.



□ CORE

- Thermodynamics • Manufacturing Process • Machine Drawing • Material Science • Theory of Machine and Mechanism • Machine Design • Mechanics of Solids • Heat Transfer • Turbo Machinery • Theory of Metal Cutting • Power Plant Engineering • Dynamics and Control of Machinery • Engineering and Operation Research • Refrigeration and Air Conditioning • Mechanics of Fluid • Automobile Engineering

□ ELECTIVE

- IC Engine • Energy Engineering and Management • Mechanical Vibrations • Tool Design • Compressor and Gas Turbine • Production and Management • Gas Dynamics • Mems and Nanotechnology • Hydraulic Machines • Solar

Architecture • AIR Conditioning • Supply Chain Management • Robotics and Robot Applications • Finite Element Method in Engineering

□ **LABORATORIES**

• Theory of Machines Lab • Engineering Mechanics Lab • Fluid Mechanics Lab • Strength of Materials Lab • Internal Combustion Engine Lab • Computational Fluid Dynamics Lab • Mechanical Workshops



Dept. of Civil Engineering



PROFILE

The aim of the department is to train the students to design, construct, supervise, operate and maintain construction projects and also work in research and education. The curriculum includes the study of Civil Engineering application software to meet the recent trends of technology in the construction industry.

□ CORE

• Strength of Materials • Concrete Technology • Structural Analysis • Design of Reinforced Concrete Structures and Steel Structures • Surveying • Fluid Mechanics • Hydraulics and Hydraulic Structures • Soil Mechanics and Foundation Engineering • Highway Engineering • Traffic Engineering and Transport Planning • Airport and Dock and Harbor Engineering • Waste Water Management • Water Supply and Sanitary Engineering • Construction Technology and Project Management • Engineering Hydrology • Engineering Geology • Building Planning and Sustainable Construction • Quantity Surveying and Public Works • Civil Engineering

□ ELECTIVE

• Air and Noise pollution • Design of Hydraulic Structures • Site Investigation

and Ground Improvement •Traffic Engineering •Pre- Stressed Concrete
•Structural Dynamics •Design of Earthquake Resistant Structures •Industrial
Waste Management •Groundwater •Pavement Engineering •Bridge
Engineering •Advanced RC Design •Environmental Impact Assessment
•Solid Waste Management •Ground Water and Surface Pollution •Finite
Element Analysis •Soil

□ LABORATORIES

•Surveying Laboratory •Strength of Materials Laboratory •Structure
Laboratory •Concrete Laboratory •Hydraulics Laboratory •Fluid Mechanics
Laboratory •Transportation Laboratory •Geotechnical Laboratory
•Environmental Laboratory •Geology Laboratory • Computational



Dept. of Computer Science and Engineering

PROFILE

The mission of the Department is to offer a high-quality liberal arts education in the art and science of computing, as well as to prepare students for career opportunities in this area requiring a high level of technical knowledge and skill. The overall course is designed to move steadily from theory to application.

The technical labs allow students to get much needed practical exposure.



□ CORE

- Computer Network •Database Management System •Analysis of Algorithm
- Object Oriented Methodology •System Programming •Language Processor
- Theory of Computation •Operating System •Data Mining & Data Warehouse
- Computer Organization •Data Structure & Program Design
- Concepts in Programming Language •Software Engineering
- Microprocessor •Discrete Math & Graph Theory •Digital Circuit & Logic Design
- C Programming

□ ELECTIVE

- Analog Circuit •Signal & System •Web Technology •Business Information System
- Embedded System •Computer Graphics and Applications •Basic

Electrical • Technical Communication • Artificial Intelligence & Image Processing

□ **LABORATORIES**

•Software Labs •System Programming Lab •Data Structure Lab •Network Security Lab •Database Management Lab •Unix Lab •Microprocessor Lab •Data Mining & Data Warehousing Lab



Dept. of Electrical and Electronics Engineering



PROFILE

In order to keep pace with ever changing requirements of the industry, course of Electrical and Electronics Dept. has been designed to meet the demand of the competitive market. It includes courses such as signal processing and also computer architecture thereby making it a much sought after branch of NIT aspirants.

□ CORE

•Electrical Machines •Power System •Control System •Signal and Systems
 •Electrical Drives •Power Electronics •Electromagnetic Field
 •Microprocessor System •Digital Electronic Circuits •Industrial Instrumentation •Linear Electronic Circuits •Switchgear & Protection
 •Renewable Energy Systems •Network Theory •Measurement & Instrumentation •Advanced Power Electronics •High Voltage Engineering

□ ELECTIVE

•MATLAB Programming •Material Science •Electrical Machine Design
 •Electrical Installation Design •Mini Project •EHV, AC & DC Transmission
 •Fault Detection & Diagnostic • DSP Application to Power System • Control System Components & System Design • Electrodynamics and Advanced Field Theory •Electrical Power Utilisation and Traction •Power Station Practice •Flexible AC Transmission

□ LABORATORIES

- Electrical Machine Lab •Control System Lab •Power Electronics Lab
- Electrical Drives Lab •Instrumentation Lab •MATLAB Lab •Network Theory Lab •Power System Lab •Computer Lab •Microprocessor Lab
- Switchgear & Protection Lab & Electrical Workshop



Dept. of Electronics and Communication Engineering

PROFILE

The Electronics & Communication Engineering is one of the most sought after branches of engineering & technology in the modern era. The syllabus followed in the ECE department is designed to suit current industry requirements & the students are accordingly trained in hardware & software. The technical labs allow students to get much needed practical exposure. The department also boasts of its quality faculty members.



□ CORE

- Analog & Digital Communication •Digital Signal Processing
- Microprocessor & Interfacing •Analog Circuit Design •Digital Logic Design •Electronic Devices •Device Modelling •Hardware Description Languages •Wave Guides and Antennas •Control Systems •Electromagnetic Field •Linear Network Theory •Electronic Material •Computer Architecture & ORG. •Measurement & Instrumentation •Finite Automata •Integral Transforms & P.D.E.

□ ELECTIVE

- Embedded Systems •Advanced Digital Signal Processing •Wireless Digital Communication •Mobile Communication Systems •Optical Communication
- Broadband Communication •Power Electronics •Concepts in Operating System •Radio Frequency Circuit •Digital Image Processing •Semiconductor Devices •Radar Engineering •RF and Microwave Engineering •Image Analysis and Computer Vision •Advanced Instrumentation

□ LABORATORIES

•Digital Logic and Design Lab •Analog Communication Lab
•Microprocessor Lab •Data Structure Lab •C Language lab •Analog
Electronics Lab •Communication Network Lab •Chemistry Lab •Physics
Lab •VLSI Lab •Digital Signal Processing Lab



Training and Placement

To get employment and to stay employed in this competitive world, it is important to keep abreast of the constant changes occurring in business, industry, and the economy. Dedicated to the above fact, training & placement cell has major responsibilities to ensure every aspirant a good bright career of his/her choice.

NIT Mizoram T&P cell acts as an interface between the college & the company & is maintaining symbiotic powerful relationship across the globe.

HOSTING COMPANIES ON CAMPUS

- a. The department provides facilities for the visiting companies to conduct pre-placement talks, written tests, group discussions and interviews.
- b. Audio visual aids like laptops, LCD projectors for pre-placement talks and internet facilities for online tests will be arranged upon prior intimation.
- c. Conveyance from/to airport or railway station is arranged by the department. Accommodation and food is provided at the institute guest house for the company on prior intimation and the cost of these are borne by the institution case the company executives wish to stay outside the campus, all arrangements for their accommodation will be made but the costs are to be borne by the company.

FUNCTIONS AND RESPONSIBILITIES

- ✓ Nurtures industry institute interaction, by organizing and coordinating frequent industrial visits, inplant training and projects of industrial relevance for the students, with the sole aim of zeroing down the hiatus between the industry and the academia.
- ✓ Organises & coordinates campus placement program, to fulfil its commitment of a career to every aspirant.
- ✓ Helps every student define his/her career interest through individual expert counselling.
- ✓ Makes available updated database and job profile of the companies and thus helps each student analyse and choose a company of his interest. The department has in its active file a database of nearly 500 companies.
- ✓ Works towards continuing education for the employees.
- ✓ Receives and forwards the feedback pertinent to curriculum improvement from the visiting companies to the faculty, to ensure that the curriculum follows the latest industrial trends.



Campus Life

CAMPUS

While the permanent campus is under construction close to the state's lone airport at Lengpui, the institute is housed at a temporary campus in the picturesque city of Aizawl. It comprises an Administrative block and four Academic blocks for classes and laboratories. The institute also has an adequately equipped library. The classrooms are state of the art with Virtual boards and projectors, for an interactive and enriching education.



LIBRARY

The library is well equipped with books, periodicals and journals, covering the curriculum of different branches of the institute. Students and teachers also have access to thousands of books and research articles which have been made available through an online portal.

HOSTEL

The institute accommodates its students in four hostels (three boys' hostel and two girls' hostel) in the city outskirts, providing the perfect serenity required for studies. Several college buses are provided daily, for conveyance to the campus. There are emergency vehicles on stand-by 24X7 in each hostel, along with preliminary medical facilities for students.





Beyond Academics



ANUNAAD

The institute organizes an annual festival to welcome the freshers and celebrate the spirit of college-hood. A grand spectacle, the cultural festival consists of events like Drama, singing, dance and literary activities. This is a stage for students to showcase their talent beyond the boundaries of engineering and academia. The true spirit of engineering is celebrated with pomp during the technical fest which consists of events on robotics, gaming and quizzes.

DRISHTI

Being the picturesque and beautiful place that it is, the photography club offers great opportunities to capture nature's beauty in Mizoram. The cloud covered green mountains are like the most beautiful paintings on nature's canvas, and the club is a platform for students to demonstrate their photography talents.



INFINITY

The annual magazine of the college was inaugurated by the education minister of Mizoram, Shri Lalsawta. It showcases the current day advancements in fields of science and engineering along with achievements of the institute's students and faculty in research and beyond.



Internships and Trainings Offered

BHEL	Bihar Electricity Board	Robosapiens
Indian Oil	Intel	Jadavpur University
CETPA	HCL	Master Software
ONGC	HPL	RRVPN
NPCIL	Tata Tiscon	IIIT Sri City
BSNL	CETE Hyderabad	NTPC
Microsoft	QM Computech pvt.ltd.	DRDO
HP	Ascent	ECIL
CEL	IISER(Kolkata)	OIL India
Tata Power	NIT Rourkela	Indian Railways
Hanbit Automation	Think Labs	IIT GUWAHATI
ADCC Infotech	NIIT	NIT WARANGAL
Times Automation	I3 India	DMRC
HEC	UPDESCO	TRTC(PATNA)
MNIT Allahabad	Pine Lab	HMT
NIT Silchar	Star Gaze	IISC Bangalore
UPTech	SAMEER (Kolkata)	



L&T Infotech



Nokia Siemens
Networks



Infosys



Mu Sigma
DO THE MATH

**Johnson
Controls**



National Stock Exchange of India Limited



LARSEN & TOUBRO



INDIAN ARMY



vodafone

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WIPRO
Applying Thought

amdocs
embrace challenge
eXperience success



virtusa®
Accelerating Business Outcomes



HUAWEI

YODLEE®

POLARIS
live your dream



ASHOK LEYLAND



P
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Student Coordinators T&P Department

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CIVIL ENGINEERING

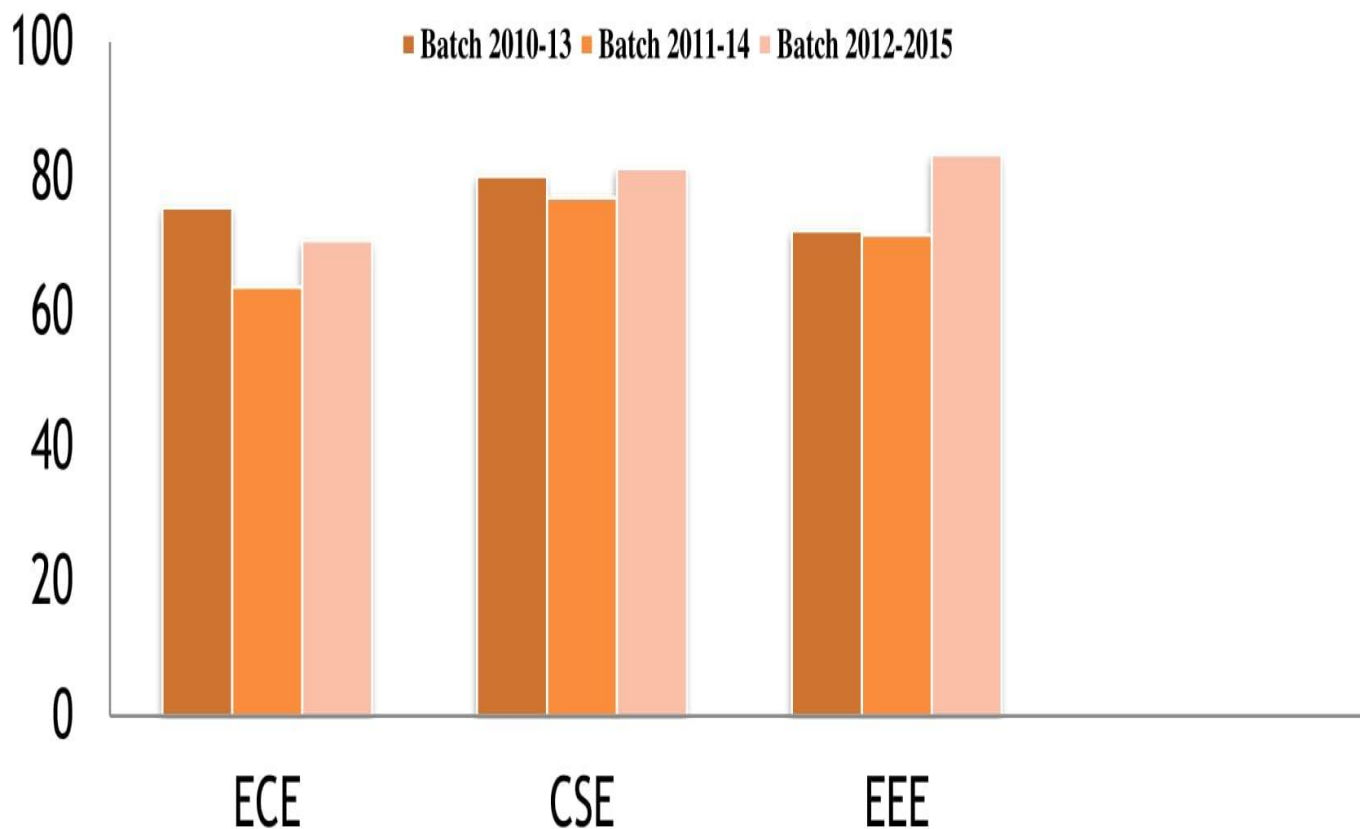
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MASTER OF TECHNOLOGY

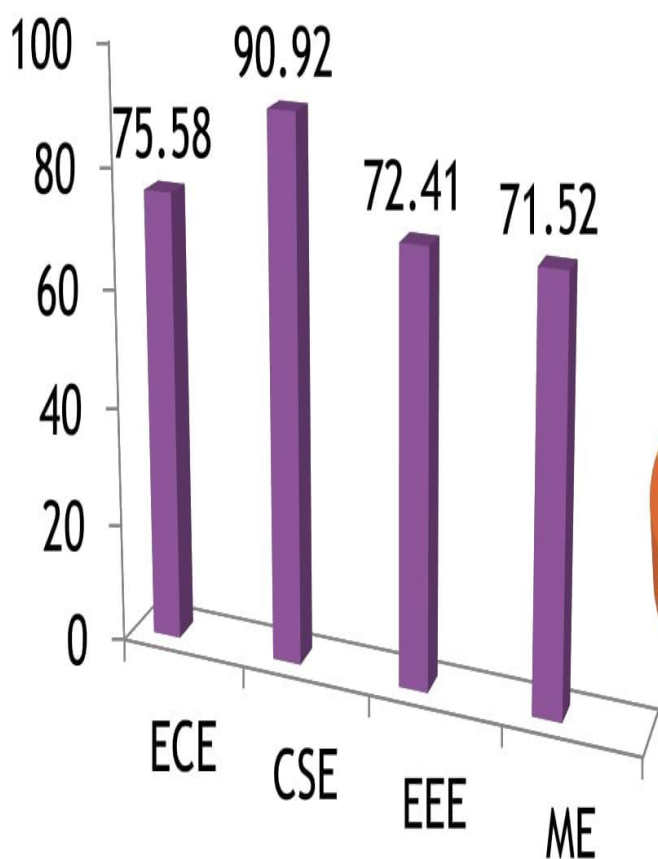
□ Rajiv Ranjan Thakur rajivthakur192@gmail.com

+91 8974893592

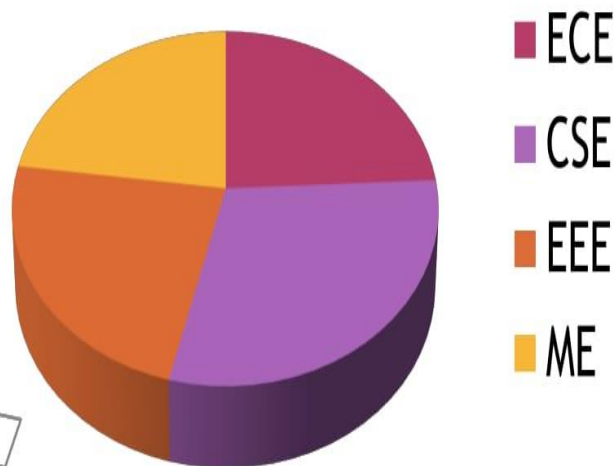
Past Placement Record



2016 -2017 Placement record



2016-17 RECORDS

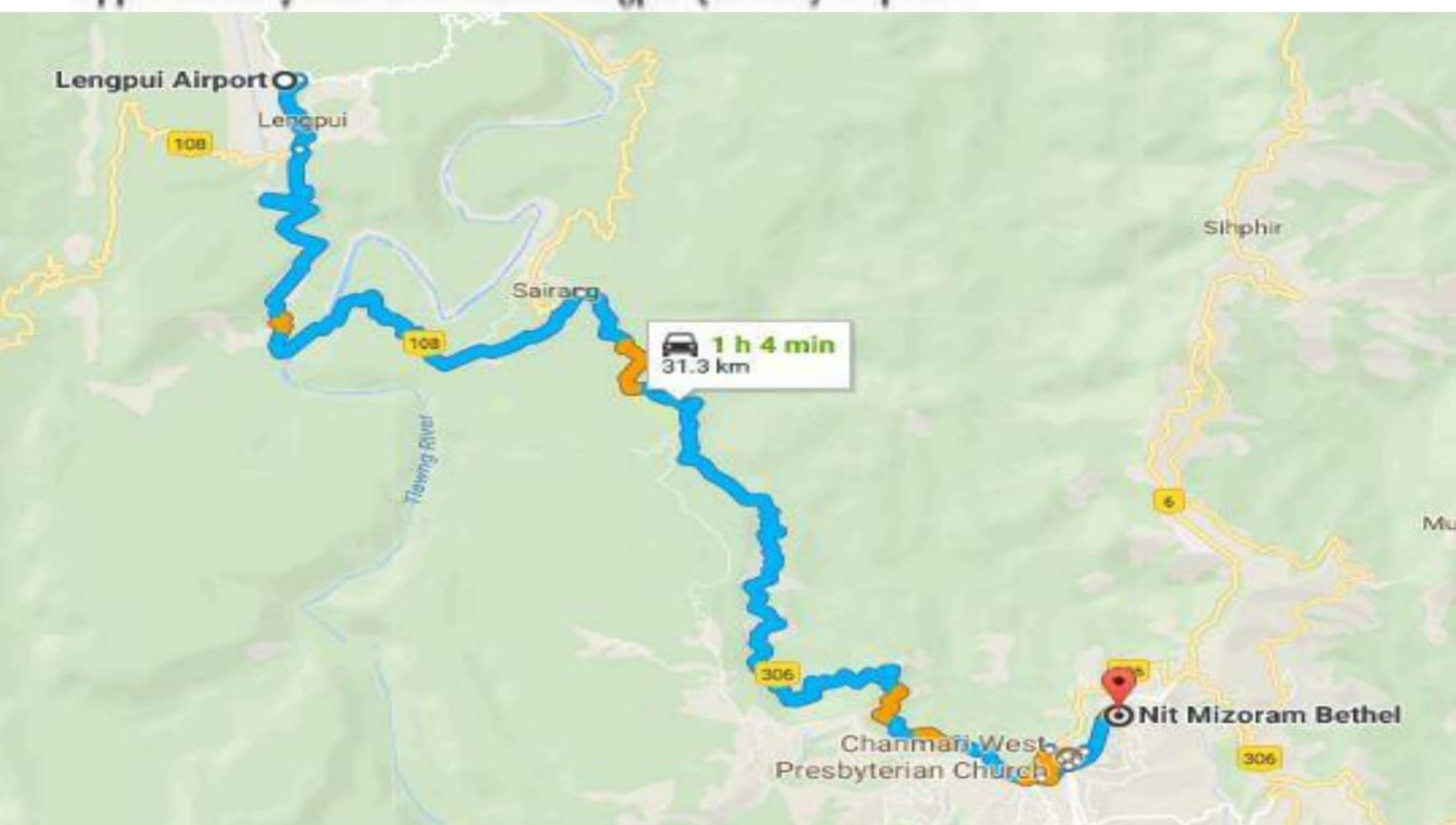


How to reach us



By Air:

Aizawl can be reached by Air through Kolkata / Guwahati. NIT Mizoram is approximately 35 kms far from Lengpui (Aizawl) Airport.



By Train:

Silchar is the nearest railway station to Aizawl. The journey (by road) from Silchar to Aizawl may take approx. 5 hrs. Sumos are available from Mizoram Circuit House & Sonai Road, Silchar.



Dr. Bachu Deb

Training and Placement Officer

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