NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

ADMISSION BROCHURE

2023-24

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CONTENTS

OVERVIEW OF NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM (NIT MIZORAM)

Vision

1.   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.

2.   To impart and enhance quality technical and scientific education to young men and women.

3.   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.

Mission

1.   To impart and enhance quality technical and scientific education to young men and women.

2.   To promote all fields of innovations and provide support to the entrepreneurs.

3.   To promote all fields of innovations and provide support to the entrepreneurs

Objectives

1.   To offer modern Under Graduate (UG) Programmes in various branches of Engineering, viz., Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering, Mathematics and Computing, etc.

2.   To comprehend enriched Post Graduate (PG) Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering, while initiate for new PG programmes in Mathematics, Physics, Chemistry, Humanities and Social Sciences, MBA, etc.

3.   To introduce new (5 year) dual-degree programme BTech-MTech from all the existing Departments of BTech after completion of their 3rd year for MTech specialization in Computational Nanotechnology and Semiconductors and also in Data Sciences.

4.   To provide facilities for research in all Engineering Departments, Basic and Applied Sciences, Humanities and Social Sciences and also in the most imminent Interdisciplinary areas leading to Doctoral Degrees.

Prof. S. Sundar (Director NIT Mizoram)

Message from Director's Desk

NIT Mizoram began its journey in 2009 to achieve global renown in research and education. Since 2009, the Institute has progressed rapidly. Presently, there are about 850 students studying in various disciplines of Engineering, Sciences, Humanities and Social Sciences. The Institute is working untiringly to impart quality education that keeps pace with the latest advances in research and development activities.

We have signed an MOU with IIT Madras on academic and research activities, exchange of academic information, scholarly information, materials, and publications, exchange of students and faculty, and sponsorship of cooperative seminars, workshops, and other academic meetings from 2022-23. The top 11 students from each Department have continued their B. Tech final years at IIT Madras and 2 students are ready to continue their PhD at IIT Madras.

The year 2021 saw an increase of over 60 students. From 18th to 19th June 2022, NIT Mizoram organized FICTA 2022. Our faculty and research scholars have published in reputed journals including Nature and won several awards including best paper awards in international conferences. Dr. S. Vipej Devi, faculty member of Civil Engineering Department has won the prestigious postdoctoral industrial fellowship granted by IGSTC in 2022. NIT Mizoram is organizing ICMEET 2023 as an International Conference with Springer publishing house for LNEE in October 2023.

At present NIT Mizoram is situated in a temporary campus at Aizawl. With the support of the state govt, we are expecting the completion of the partially completed permanent campus at Lengpui, Mizoram within the next two years with best of the facilities for the excellent academic ambience.

The faculty, students and staff of NIT Mizoram are working hard with utmost sincerity and dedication to accept the challenge of making NIT Mizoram a preferred destination for high-quality learning, research and innovation. Their new initiatives will surely bear rich fruits during the years to come.

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM AT A GLANCE

- NIT Mizoram is one of the 10 new NITs set up by Govt. of India under Ministry of Human Resource Development in 2009.

- The Institute started functioning at Camp Nagpur under the Mentorship of VNIT Nagpur w.e.f July 2010 with 62 students.

- The Institute, since 2011, is functioning out of Temporary Campus in Aizawl.

- The Permanent Campus of NIT Mizoram at Lengpui is under preparation. NIT Mizoram has completed the First Phase of work.

- Hostels for students are located at a distance from the temporary campus. Buses ply between the hostels and academic buildings.

- NIT Mizoram is a residential Institution and that all students and research scholars reside in the hostels/halls of residence of the Institute vide Clause 38(1) of the NITs Statutes.

- All the students of NIT Mizoram shall be paying seat rent.

- The Institute under the mentorship of its current Director Prof. S. Sundar, is in the final stage of a MoU with IIT Madras. Through this selected students from undergraduate programme will be able to pursue their final year from IIT Madras. They can also pursue PhD there.

STUDENT STRENGTH DETAILS:

Programme	Branch/Specialization	Actual No. Of Students 2022
B. Tech	1. Electronics & Communication Engg. (ECE) 2. Computer Science & Engg. (CSE) 3. Mechanical Engineering (ME) 4. Civil Engineering (CE) 5. Electrical Engg. (EE) 6. Mathematics and Computing (MC)	562
M. Tech	1. Computer Science & Engg. (CSE) 2. Thermal Engineering (ME) 3. Microelectronics and VLSI System Design (ECE) 4. Power Electronics and Drives (EE) 5. Structural Engineering (CE)	33

B.Tech-M.Tech (Dual Degree)	From the Centre of Interdisciplinary Research (CIR) 1. Computational Nanotechnology and Semiconductors (ECE) 2. Data Sciences (CSE)	
Ph. D	1. Centre of Interdisciplinary Research (CIR) 2. Mechanical Engineering (ME) 3. Electronics & Communication Engg. (ECE) 4. Computer Science & Engg. (CSE) 5. Electrical Engg. (EE) 6. Civil Engineering (CE) 7. Basic Sciences & Humanities & Social Sciences (Phy., Chem., Mathematics, Economics & English).	180
	TOTAL	**744**

Total No. of Ph. D Awarded = 20

Seat Matrix for B. Tech Intake – Distribution under Different category for NIT Mizoram

Program Name	OPEN	OPEN-PwD	EWS	EWS-PwD	SC	SC-PwD	ST	ST-PwD	OBC-NCL	OBC-NCL-PwD	Total
Electrical Engineering	14	1	3	0	6	0	3	0	9	0	36
Electronics & Communication Engineering	13	1	4	0	5	0	3	0	10	0	36
Computer Science & Engineering	13	1	4	0	6	0	2	0	10	0	36
Mechanical Engineering	14	0	3	1	5	1	3	0	9	0	36
Civil Engineering	14	0	3	0	5	0	3	0	10	1	36
Mathematics and Computing	6	0	1	0	1	0	0	0	2	0	10

Seat Matrix for M. Tech Intake – Distribution under Different category for NIT Mizoram

Department	M. Tech Programme Specialization	GATE Subject Admissibility	OC	OC-PWD	EWS	EWS-PWD	SC	SC-PWD	ST	ST-PWD	OBC	OBC-PWD	Total
Computer Science & Engineering	Computer Science & Engineering (XG)	CS	4	0	1	0	1	0	1	0	2	1	10
Electrical Engineering	Power Electronics & Drives (PD)	EE	4	0	1	0	2	0	1	0	2	0	10
Electronics & Communication Engineering	Microelectronics and VLSI System Design (MG)	EC	4	0	1	0	2	0	0	0	3	0	10
Mechanical Engineering	Thermal Engineering (TI)	ME	4	0	1	0	1	0	1	0	3	0	10
Civil Engineering	Structural Engineering (SE)	CE	4	0	1	0	2	0	1	0	2	0	10
Total Seats			20	0	5	0	8	0	4	0	12	1	50

Fee Structure

ACADEMIC FEES OF B. TECH PROGRAMME OF NIT MIZORAM FROM 2019-2020 ONWARDS

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem
1	Tuition Fees	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00
2	Registration Fees	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
3	Library Deposit (Refundable)	2000.00	-	-	-	-	-	-	-
4	Library Fees	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
5	Students' Activity Fees	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Identity Card	50.00	-	50.00	-	50.00	-	50.00	-
7	Laboratory &Internet Fee	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
8	Student Aid Fund	250.00	-	250.00	-	250.00	-	250.00	-
9	Development Fee	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
10	Examination Fee	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
11	Medical Aid Fund	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
12	Training & Placement Fee	-	-	250.00	250.00	250.00	250.00	250.00	250.00
13	Convocation	-	-	-	-	-	-	-	1,000.00
14	Alumni	-	-	-	-	-	-	-	500.00
	Grand Total	69,400.00	67,100.00	67,650.00	67,350.00	67,650.00	67,350.00	67,650.00	68,850.00

Note:

1. **Tuition Fee is as decided by the NIT Council.**

2. **Waiver of fees shall be applicable as per the MHRD Order F.No.33-4/2014-TS.III dated 24.06.2016 & 02.07.2016.**

Hostel Fees for B.Tech Programme of NIT Mizoram from 2019-2020 Onwards

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem
1	Caution Money (Refundable)	7,500.00	-	-	-	-	-	-	-
2	Mess Advance (Adjustable)	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00
3	Hostel Admission (One Time Payment)	500.00	-	-	-	-	-	-	-
4	Room Rent	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
5	Electricity Charges	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
6	Water Charges	750.00	-	750.00	-	750.00	-	750.00	-
7	Recreation	300.00	-	300.00	-	300.00	-	300.00	-
8	Crockery + Breakage	1000.00	-	1000.00	-	1000.00	-	1000.00	-
9	Welfare Fund	1000.00	-	-	-	-	-	-	-
10	Hostel Security & Maintenance Charges	7,500.00	-	-	-	-	-	-	-
	Grand Total	34,250.00	15,700.00	17,750.00	15,700.00	17,750.00	15,700.00	17,750.00	15,700.00

Academic Fees of M. Tech Programme of NIT-Mizoram
(from Academic Session 2019 – 2020 Onwards)

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem
1	Tuition Fees	35,000.00	35,000.00	35,000.00	35,000.00
2	Registration Fees	200.00	200.00	200.00	200.00
3	Library Deposit (Refundable)	2000.00	-	-	-
4	Library Fees	500.00	500.00	500.00	500.00
5	Students' Activity Fees	1,000.00	1,000.00	1,000.00	1,000.00
6	Identity Card	50.00	-	50.00	-
7	Laboratory & Internet Fee	500.00	500.00	500.00	500.00
8	Student Aid Fund	250.00	-	250.00	-
9	Development Fee	2,000.00	2,000.00	2,000.00	2,000.00
10	Examination Fee	600.00	600.00	600.00	600.00
11	Medical Aid Fund	300.00	300.00	300.00	300.00
12	Convocation	-	-	-	1,000.00
13	Alumni	-	-	-	500.00
	Grand Total	**42,400.00**	**40,100.00**	**40,400.00**	**41,600.00**

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem
1	Caution Money (Refundable)	5,000.00	-	-	-
2	Mess Advance (Adjustable)	13,000.00	13,000.00	13,000.00	13,000.00
3	Hostel Admission (One Time Payment)	500.00	-	-	-
4	Room Rent	1200.00	1,200.00	1200.00	1,200.00
5	Electricity Charges	1,500.00	1,500.00	1,500.00	1,500.00
6	Water Charges	750.00	-	750.00	-
7	Recreation	300.00	-	300.00	-
8	Crockery + Breakage	1000.00	-	1000.00	-
9	Welfare Fund	1000.00	-	-	-
10	Hostel Security & Maintenance Charges	4500.00	-	-	-
	Grand Total	**28,750.00**	**15,700.00**	**17,750.00**	**15,700.00**

Hostel Fees for M.Tech Programme of NIT Mizoram from 2019-2020 Onwards

Academic Fees of Ph.D Programme of NIT Mizoram from 2019-2020 Onwards

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem
1	Tuition Fees	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00	7,500.00
2	Registration Fees	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
3	Library Deposit (Refundable)	2,000.00	-	-	-	-	-	-	-	-	-
4	Library Fees	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
5	Students' Activity Fees	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Identity Card	200.00	-	-	-	-	-	-	-	-	-
7	Laboratory &Internet Fee	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
8	Student Aid Fund	250.00	-	250.00	-	250.00	-	250.00	-	250.00	-
9	Development Fee	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
10	Examination Fee	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00
11	Medical Aid Fund	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
12	Convocation	1,000.00	-	-	-	-	-	-	-	-	-
13	Alumni	500.00	-	-	-	-	-	-	-	-	-
	Grand Total	16,550.00	12,600.00	12,850.00	12,600.00	12,850.00	12,600.00	12,850.00	12,600.00	12,850.00	12,600.00

Hostel Fees for Ph.D Programme of NIT Mizoram from 2019-2020 Onwards

Sl. No.	Particulars	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem
1	Caution Money (Refundable)	9,000.00	-	-	-	-	-	-	-	-	-
2	Mess Advance (Adjustable)	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13,000.00	13000.00	13000.00
3	Hostel Admission (One Time Payment)	500.00	-	-	-	-	-	-	-	-	-
4	Room Rent	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00
5	Electricity Charges	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
6	Water Charges	750.00	-	750.00	-	750.00	-	750.00	-	750.00	-
7	Recreation	300.00	-	300.00	-	300.00	-	300.00	-	300.00	-
8	Crockery + Breakage	1000.00	-	1000.00	-	1000.00	-	1000.00	-	1000.00	-
9	Welfare Fund	800.00	-	-	-	-	-	-	-	-	-
10	Hostel Security & Maintenance Charges	7,500.00	-	-	-	-	-	-	-	-	-
	Grand Total	35,550.00	15,700.00	17,750.00	15,700.00	17,750.00	15,700.00	17,750.00	15,700.00	17,750.00	15,700.00

DEPARTMENT OF BASIC SCIENCE & HUMANITIES & SOCIAL SCIENCES

The Department of Basic Sciences and Humanities Social Sciences was established in the year 2010 along with the establishment of the Institute. The department spans courses in natural, humanities and social sciences. The department comprises different subjects namely Physics, Chemistry, Mathematics, Economics and English. The Department of BS&HSS is devoted to fostering the fundamental principles and understanding of science to enhance the student's basic knowledge of engineering.

BTech Program in Mathematics and Computing

The Department of Mathematics (BS&HSS) is starting a four-year BTech program in Mathematics and Computing from the Academic Year 2023-24 with an intake of 10 students. The program's aim is to produce leaders who will be at the forefront of technological development, cutting edge of innovation in futuristic disciplines and next-generation technologies that require an extensive understanding of mathematics, computer science, and data science. The four-year BTech in Mathematics and Computing Programme is a specialized undergraduate degree programme that combines mathematics and computer science. This Programme is intended to provide students with the skills and knowledge required to develop computational methods for solving complex mathematical problems, as well as to analyze and design computer algorithms and systems using mathematical techniques.

The program is typically structured to cover core topics in mathematics, such as calculus, linear algebra, probability theory, and statistics, as well as fundamental concepts in computer science, such as programming, data structures, algorithms, and computer architecture. Students also have the opportunity to choose from a wide range of elective courses.

The BTech in Mathematics and Computing programme is ideal for students who are passionate about mathematics and its applications in computer science. Graduates of this programme are well-prepared to work in a variety of fields, including software development, data analytics, finance, scientific computing, and research and development in industry, academia, and government sectors.

The department has total six faculty who are well qualified and enthusiast for teaching and research activities, the brief detail of the faculty members are given below:

Faculty Details

S. No.	Name of the Faculty	Designation	Discipline	Qualification
1.	Prof. Alok Shukla	Professor	Physics	Ph.D.
2.	Prof. Ajmal Koya Pulikkal	Professor	Chemistry	Ph.D.

3.	Dr. K. Gyanendra Singh	Associate Professor	Economics	Ph.D.
4.	Dr. Vinay Singh	Assistant Professor	Mathematics	Ph.D.
5.	Dr. Shuchi	Assistant Professor	English	M.Phil., Ph.D.
6.	Dr. Surender Ontela	Assistant Professor & HoD	Mathematics	Ph.D.

Staff Details

S. No.	Name	Designation	Department
1.	Mr. J. Rozamliana	Technical Assistant	Chemistry
2.	Dr. L. Thansanga	Technician	Physics

PUBLICATION DETAILS

S.No	Name of the Faculty	Designation	Specialization	No. of Publications
1	Prof. Alok Shukla	Professor	Materials Science	Journals: 41 Conf. Proc.:1 0 Book Chapter: 01
2	Prof. Ajmal Koya Pulikkal	Professor	Physical Chemistry	**Journals:** 36
3	Dr. K. Gyanendra Singh	Associate Professor	Development Economics	Journals: 11 Book: 1 Book Chapter: 13
4	Dr. Vinay Singh	Assistant Professor	Nonsmooth optimization, Robust optimization, Bilevel optimization, switching constraints, vanishing constraints	**Journals:** 16 **Conf Proc.:** 05 **Book Chapters:** 05

5	Dr. Shuchi	Assistant Professor	Indian Writing in English, Gender Studies, Feminism, Eco-feminism	**Journals:** 11 **Conference Proc.:** 06 **Book Chapters:** 06
6	Dr. Surender Ontela	Assistant Professor & HoD	Computational Fluid Dynamics (Applied Mathematics)	**Journals:** 26 **Conf Proc.:** 05 **Book Chapters:** 03

The department as of now only offers Ph.D. programmes in various subjects. The number of registered and degree awarded Ph.D. Students is 45 and 8 respectively. There is no UG and PG program offered by the department.

The department has three labs in Physics, Chemistry and English subjects. The Department of Physics & Chemistry defines its mission in the context of academic excellence, scientific rigor, and scientific integrity. The department has a laboratory with requisite instruments and apparatus to meet the requirements of the UG syllabus. The laboratory is assisted by experienced lab assistants.

The details of major equipment are as follows:

Sl. No.	Labs	Major Research Equipment
1.	Chemistry Lab	Tensiometer FTIR Spectrometer UV-Vis Spectrophotometer
2.	Physics Lab	High energy Ball Mill PE Loop Tracer Phase sensitive meter (PSM), N4L
3.	Language Lab	N/A
4.	Research / Computational (Mathematics)	Lab is equipped with 30 latest all in one desktop computers including the software such as Wolfram Mathematica, Origin Pro, Lingo, MS Office, etc.

Physics Lab Room, NIT Mizoram

Physics Lab Room, NIT Mizoram

Equipment - Ball Milling Machine and PE Loop Tracer

Equipment - UV Vis Spectrophotometer

B.Tech Lab (Chemistry)

Research Lab (Chemistry)

FTIR Spectrometer

Tensiometer

RESEARCH & CONSULTANCY PROJECTS IN THE DEPARTMENT

Sl No	Name of the faculty	Project Title/Funding Agency	Project Status	Sanctioned Amount (INR)
1	Prof. Alok Shukla	Development of Modified Bi-based Nanosized Electronic Materials for Multiferroic Applications (SERB)	Completed	38.82 Lakhs
2	Prof. Ajmal Koya Pulikkal	Physicochemical Properties of Amphiphilic Drugs: Effects of Addition of Organic Solvents (SERB)	Completed	22.98 Lakhs
3	Dr. K. Gyanendra Singh	Efficient Synthesis of Organic Compounds: Effects of Self-Assembled Systems of Cationic Conventional and Gemini Surfactants	Ongoing	23.56 Lakhs
4	Dr. K. Gyanendra Singh	Economic Valuation of Loktak Lake for Sustainable Use (ICSSR)	Completed	6 Lakhs
5.	Dr. K. Gyanendra Singh	Preference over Multi-Modal Mobility Options of Urban Dwellers: A Case of Aizawl City in Mizoram (ICSSR)	Completed	10 Lakhs
6.	Dr. K. Gyanendra Singh	MGNREGS and Rural Development: A Case study in the	Ongoing	8 Lakhs

	state of Mizoram (NEC Shillong)			
7. Dr. Vinay SIngh	On Recent problems in optimization theory and its applications (SERB	Completed	15.86 Lakhs	

No of PhD students in the Dept. (Full-Time/Part-Time/Self-financed) = 45

S. No.	Name of the faculty	Full- Time	Part-Time	Self-Financed	Total
1.	Prof. Alok Shukla	1	2	0	3
2.	Prof. Ajmal Koya Pulikkal	2	6	6	14
3.	Dr. K. Gyanendra Singh	2	4	0	6
4.	Dr. Vinay Singh	2	1	2	5
5.	Dr. Shuchi	2	2	4	8
6.	Dr. Surender Ontela	4	7	1	12

Number of PhDs awarded: 10.
Physics: 05
Chemistry: 01
Economics: 01
Mathematics: 02
English: 01

Scope for the students:

The applied science knowledge enables the students to face the fast-changing world of Technology. The department also aspires students and scholars for an overall development to enable them to meet the prevailing challenges of the global society with engineering tools.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering started functioning from July, 2014. Currently, there are 4 regular faculties and 4 temporary faculties and 1technician.The Department offers four years Undergraduate Programme with a student capacity intake of 30 students and PhD Programme.

FACULTIES:

Details of faculties are tabulated as follows:

Sl No	Name of Faculties	Designation	Specialisation
1	Dr. Ricky Lalthazuala	Assistant Prof. & HOD	Structural Engineering
2	Dr. Bijayananda Mohanty	Associate Prof.	Geotechnical Engineering
3	Dr. Sanasam Vipej Devi	Assistant Prof.	Structural Engineering
4	Dr. Vanapalli Kumar Raja	Assistant Prof.	Environmental Engineering
5	Dr. Sourav Das	Temporary Faculty	Structural Engineering
6	Dr. Ricky L. Chhangte	Temporary Faculty	Structural Engineering
7	Dr. Benazir Fatima Ahmed	Temporary Faculty	Structural Engineering
8	Mrs. Esther Vanlalmawii	Temporary Faculty	Environmental Engineering

TECHNICAL STAFF DETAILS:

S. No.	Name	Designation
1.	Ms. Laltanpuii	Technician

STUDENTS:

The Department presently has 104 undergraduates and 14 PhD students. The details of the students are tabulated as follows:

Sl No	Student Type	Total Students
1	B. Tech 1st year	29
2	B. Tech 2nd year	27
3	B. Tech 3rd year	28
4	B. Tech 4th year	20
Total Undergraduate students		104
5	PhD Regular Students (Availing Stipend)	9
6	PhD Non-Regular Students (Part-time as well as Self-financed)	10
Total PhD students		14

LABORATORIES:

The Department is currently functioning with 3 laboratories in order to fulfill the undergraduatecourses. The details of the laboratories in the Department are tabulated as follows:

1. Concrete Laboratory
2. Surveying Laboratory
3. Hydraulics Laboratory

Figure 1 Los Angeles Abrasion Testing Equipment

Figure 2 Flexure Test Machine

Figure 3 Theodolite

Figure 4 Total Station

Figure 5 Submersible Pump Test

Figure 6 Flow Channel P6255

PUBLICATIONS AND CITATIONS:

The Department contribution towards publications in SCI/Scopus indexed journals and conferences (Source -Google Scholar) are tabulated as follows:

Name of Faculty	No of Journals papers	No of Conference papers

Dr. Ricky Lalthazuala	6	2
Dr. Bijayananda Mohanty	23	17
Dr. Sanasam Vipej Devi	5	4
Dr. Vanapalli Kumar Raja	14	3
Dr. Sourav Das	3	-
Dr. Ricky L Chhangte	2	3
Dr. Benazir Fatima Ahmed	4	8

The Department contributions towards research and consultancy projects are tabulated as follows:

Sl. No.	Description	Consultant	Amount (INR)	Status
1	Third Party Inspection/ Examining/ Independent Testing for Evaluation of Un-Confined Compressive Strength of Cementitious Sub Base Layer (Aged) ON SITE of Unmeasured/ satisfactory Patch on Zawnling-Mahwhere-Sapi Road under Project Pushpak, Border Roads Organisation (BRO), Mizoram	Dr. Bijayananda Mohanty	6,25,400	Completed
2	Third Party Investigation and strengthening of RCC Box Culvert near Zokhawthar showing structural distress	Dr. Ricky Lalthazuala	2,30,000	Completed
3	Structural Design of Construction of Multipurpose Hall at Chawnpui,Aizawl	Dr. Ricky Lalthazuala	2,00,000	Completed
4	Proof Checking-Structural Design of Abutments and Pier of Re-Construction of Modular Bridge 70R over River Tuivai atKm 140/00 on NH-2 (Old NH-150) in the state of Mizoram.	Dr. Ricky Lalthazuala	2,89,000	Completed
5	Technical Appraisal of the Detailed Project Report (DPR) for Construction of Aizawl By-pass on Western Side.	Dr.Bijayananda Mohanty & Dr. Ricky Lalthazuala	5,00,000	Completed
6	Technical and Economic Appraisal of the Detailed Project Report (DPR) for Improvement and Strengthening of Tuirial Bamboo Link Road (from Tuirial Airfield to North Chaltlang)	Dr. Bijayananda Mohanty & Dr. Ricky Lalthazuala	3,00,000	Completed
7	Technical and Economic Appraisal of the Detailed Project Report (DPR) for Improvement and Strngthening of Saiphai Bamboo Plantation Road (from Lengpui to Saiphai Bamboo Plantation).	Dr. Bijayananda Mohanty & Dr. Ricky Lalthazuala	3,00,000	Completed
8	Structural Redesign of T-Beam Bridge at Damdiai River	Dr. Ricky Lalthazuala	4,72,000	Ongoing
9	Proof Checking-Construction of Composite Superstructure Bridge across River Langkaih in Mizoram	Dr. Ricky Lalthazuala	2,36,000	Ongoing

ACHIEVEMENTS:

A Full-Time PhD student Mr. Peddireddy Sreekanth Reddy working under Dr. Bijayananda Mohanty has published one Research Paper/Article in Scientific Reports, Nature Research/Nature Portfolio from his Ph.D. Thesis.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Dept. of CSE is amongst the three first departments which started during the inception of the Institute at VNIT Nagpur in the year 2010 with only under graduate programme. Later Master degree started in the year 2018. Doctoral programme has also started from the year 2015. The department is one of the most sought for departments amongst the students which has seen many colors in terms of academic performance and placement over the years. Students of the department are often selected for internships with reputed universities of Germany, IITs among many others as well as in Software firms. The department manages the Institute network infrastructure along with the ERP system and Website.

FACULTIES

Sl No	Name of Faculty	Designation	Area of Specialisation
1	Dr. Sandeep Kumar Dash	Assistant Professor & HOD	Natural Language Processing, Machine Learning, Deep Learning
3	Dr. Lenin Laitonjam	Assistant Professor	Natural Language Processing
4	Dr. Vaibhav Malviya	Assistant Professor	Social Robot, Deep Learning, Artificial Intelligent, Computer Vision
5	Dr. Lalhruaizela	Assistant Professor	Wireless networks, Communication
2	Dr. Ranjita Das (on-lien)	Assistant Professor	Pattern recognition, Evolutionary algorithm, Data mining

TECHNICAL STAFFS

Sl No	Name of Staff	Designation
1	Mrs. Sujata Dash	Technical Assistant (System)
2	Mr. R Zohmangaiha	Technician

PROGRAMMES OFFERED

Sl No	Name of Programme	Specialisation
1	B.Tech	Computer Science & Engineering
2	M.Tech	Computer Science & Engineering
3	PhD	Machine Learning, Computational Biology, NLP, Wireless Sensor Networks, Robotics and AI

LABORATORIES
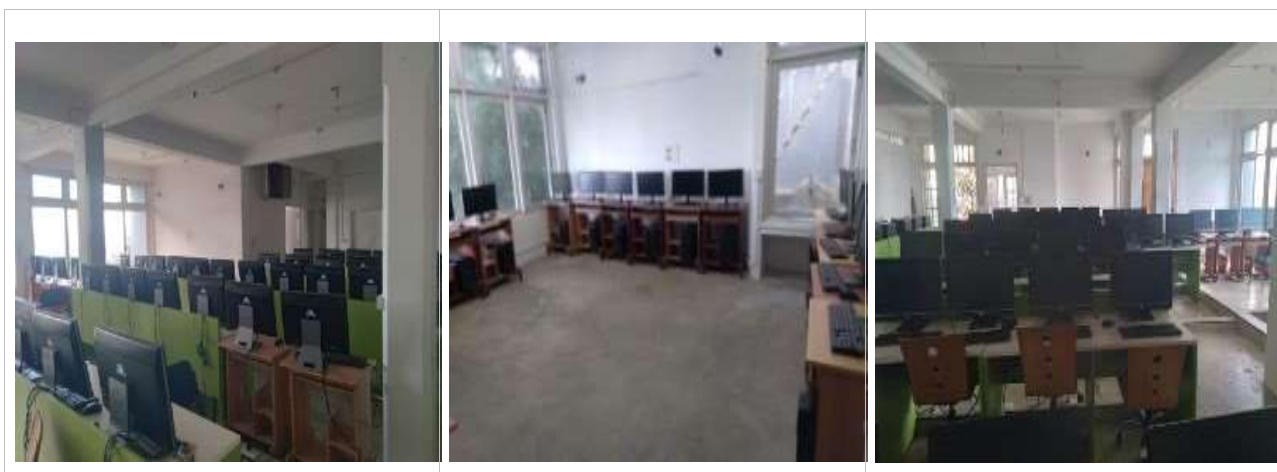
The Department is having the following labs:

Network Lab (*10 Advance LAN Trainer Kit (Benchmark), Network Security And Cryptography Kit (Benchmark), Network System Training Kit (Benchmark)*)
Database Lab (*Oracle 12C Enterprise Edition*)
Software Engineering Lab (*IBM Rational Suite Enterprise Edition*)
Microprocessor Lab (*Trainer Kits*)
Programming Lab

PROJECTS

Sl No	Title of Projects	Funding Agency	Name of Faculty	Budget	Status
1	Textual Instructions to Virtual Action	Department of Science & Technology-German Academic Exchange Service (DST-DAAD)	Dr. Partha Pakray (Left the Institute)	Rs. 18.90 Lakhs	Completed

2	An Application of Textual Entailment and Semantic Similarity in Scientific Document Retrieval System	Science & Engineering Research Board (SERB), Department of Science & Technology	Dr. Partha Pakray (Left the Institute)	Rs. 18.31 Lakhs	Completed
3	Integrated software for analyzing single cell RNA sequencing	Department of Biotechnology under NECBH scheme	Dr. Ranjita Das (on-lien), Asst. Professor	Rs. 11.74 Lakhs	Completed
4	Identification and characterization of glioblastoma tumour cell from the Single-cell RNA-seq data using Machine learning approaches sequencing	Science & Engineering Research Board (SERB), Department of Science & Technology	Dr. Ranjita Das (on-lien), Asst. Professor	Rs. 18.54 Lakhs	Ongoing

NO OF PHDs

Sl No	PhDs completed	PhDs ongoing
1	4	>20

ALUMNI:

Alumni of the department have enrolled for master's programs in IIT Guwahati, IIT Madras, New York University and many more. Alumni of the department are placed in reputed firms as BPCL, TCS, INFOSYS, ACCENTURE, TEXAS INSTRUMENTS, GAMECRAFT, DELOITTE etc.

Department of Electronics and Communication Engineering

The department of Electronics & Communication Engineering in NIT Mizoram commenced its journey in 2010 in VNIT Nagpur campus and later shifted to Aizawl. The first B. Tech batch passed out in 2014. Once a toddler, the department has gradually spread its wings and now offers four programmes namely, B. Tech, M. Tech in Microelectronics and VLSI System Design, Dual Degree with M. Tech in Computational Nanotechnology and Semiconductors, and Ph.D. The department is presently functioning in three academic blocks. The Academic Block II has the classrooms and a Computer and Simulation Laboratory. This laboratory is used for software based practical courses and is equipped with a number of essential software. The regular M. Tech and Ph.D research scholars carry out their simulation works in this laboratory. The Academic Block III has a faculty room and three laboratory rooms where most of the hardware based practical courses related to Communication, Analog and Digital Circuits, Integrated Circuits and Microprocessors & Microcontrollers are executed. The Academic Block IV has a faculty room, another Computer and Simulation laboratory and a RF & Microwave Engineering Laboratory. This is a state-of-art laboratory which, along with the B. Tech practical course, facilitates experimental research of Ph.D scholars.

The Department has 6 (Six) faculty members and 1 (One) Technician. Out of the 6 (Six) faculty members; 1 (One) is Associate Professor, 3 (Three) are Assistant Professors, and 2 (Two) are Temporary Faculty (details are tabulated below). The faculty members are very dedicated towards teaching and research. They ensure that quality education is imparted to the students so that they are bestowed with proper knowledge and aptitude to choose career options either in industry or in academics. The broad areas of research of the faculty members encompass the domains of RF & Microwave Engineering, VLSI, Semiconductor Devices, Nanotechnology and Communication Systems. The active involvement of the faculty members in research has resulted in significant research publications in internationally reputed journals and conferences. The department has two completed and one ongoing Govt. sponsored projects. 05 students have been awarded Ph.D in the department. The faculty members have published over 180 papers in reputed journals and conferences in the last five years. There are 07 patents granted to Dr. Rudra Sankar Dhar. The alumni of the department have been engaged in very prestigious services as employees like Indian Engineering Services ECIL, BEL, Indian Railways, Airport Authority of India, Texas Instruments, Intel, Samsung, Vedanta, Infosys, Wipro, TCS, etc. Students have opted for higher studies in institutions like Univ. of North Carolina, USA, Defense Inst. of Advanced Technology, IIT-BHU, IIT Bombay, IIT Gandhinagar, IIT Guwahati, etc.

The Department has 35, 34, 27, 22 students in B.Tech 1st, 2nd, 3rd and 4th year respectively. There are 4 M.Tech students in 2nd year. Apart from teaching regular subjects, the department organizes various short-term courses and expert lectures where resource persons from various reputed Institutes are invited to deliver talks on cutting edge technologies pertaining to ECE so

that the students are aware of the newest developments in the frontiers of technology. Apart from semester exams, the progress of the students is monitored by the respective subject coordinators through various assignments and quizzes. The department has separate programme coordinators to resolve any issues related to B.Tech, M.Tech and Ph.D students. The students have been given freedom to approach the faculty members with any subject related problems. Multi-disciplinary courses are offered in the B.Tech curriculum and elective courses are offered by keeping in mind the recent trends in technology nation-wide. The students are encouraged to undertake industrial internship of atleast a month and there is a separate credit course to emphasize on this matter.

The department in amalgamation with the newly developed Center of Interdisciplinary Research has opened Dual-Degree (BTech-MTech) 5-year programme with MTech specialization in Computational Nanotechnology and Semiconductors. Eligible candidates from 3rd year BTech can opt for the programme.

The department is still in a growing stage with developments being made in laboratory facilities and promulgating more in-depth knowledge with student-centric teaching methods. The cordial environment created through the hand-holding of teachers and students has sustained the nurturing of proper education with a promise of a better future ahead.

Faculty Details:

Sl no.	Name	Designation	Specialization	No of publications
1	Dr. Sushanta Bordoloi	Assistant Professor & HoD	VLSI, TCAD Modeling, Compound Semiconductor	Jour & Conf: 12 Book Chapters: 05
2	Dr. Rudra Sankar Dhar	Associate Professor	Nanotechnology, Microelectronics, Green Technology	Jour & Conf: 114 Books: 03 Book Chapters: 10
3	Dr. Chaitali Koley	Assistant Professor	Microwave Communication	Jour & Conf: 39 Book Chapters: 9
4	Dr. Anumoy Ghosh	Assistant Professor	RF & Microwave Engineering, Metamaterials	Jour & Conf: 45
5	Dr. Remika Ngangbam	Temporary Faculty	Wireless Sensor Networks, Wireless Communications	Jour & Conf: 8 Book Chapters: 1
6	Dr. Pragati Singh	Temporary Faculty	Microelectronics & VLSI Design, Device and Circuit Modeling	Jour & Conf: 24

Project Details

Sl No	Title of Projects	Funding Agency	Name of Faculty	Budget (in Lakh)	Status
1	Development of Smart Technology based on Nano-Material Membrane	DST- Nano Mission, GoI	Dr. Rudra Sankar Dhar	83.93	Completed
2	An FPGA based adaptive feedback based reversible watermarking by difference expansion algorithm	Ministry of Electronics and Information Technology (MeiTY), GoI	Dr. Chaitali Koley	100	Completed
3	Board level implementation of Air quality monitoring System				
4	Shallow Water Image Enhancement Using Deep Learning	ART (AI & Robotics Technology) Park, IISc Bangalore	Dr. Chaitali Koley	4.2	Completed
5	Design and Analysis of RF Section for Ka-band Vacuum Electronics Devices	Indian Institute of Technology Guwahati Technology Innovation and Development Foundation (IITG TI&DF)	Dr. Chaitali Koley	25	Ongoing
6	Development of QWB Strained Channel Nanowire GAAFET for SuperFast Switching	Science and Engineering Research Board, Department of Science and Technology, GoI	Dr. Rudra Sankar Dhar	26.17	Ongoing

Details of Patent Awarded

Sl. No	Title	Patent Category	Date of Grant	Inventor	Patent No.
1	A M-O-(SI/SIGe/SI) Structured Device of Tri-Layered Nanosystem Semiconductor and its Process Thereof	Australian International Patent	20.04.2022	Dr. R. S. Dhar, and others	Awarded (2021105085)
2	Crowd Detection Intelligent Camera to Prevent Covid-19 or any Other Need	Australian International Patent	16.03.2022	Dr. R. S. Dhar, and others	Awarded (2021103400)
3	Machine Learning and Artificial Intelligence Based Intelligent Controlling and Monitoring System for an Automatic Air Conditioner	Australian International Patent	16.03.2022	Dr. R. S. Dhar, and others	Awarded (2021102668)
4	A Nanosystem Device for Faster Switching with Reduced Leakage and its Preparing Process Thereof	Australian International Patent	27.10.2021	Dr. R. S. Dhar, and others	Awarded (2021105335)

5	A Nano-Composite Based Smart Membrane Device with Enhanced Performance and its Preparation Process Thereof	Australian International Patent	27.10.2021	Dr. R. S. Dhar, and others	Awarded (2021105410)
6	Intelligent System for Management of Medical Oxygen Demand from COVID Patients based on Artificial Intelligence & Method of Thereof	Australian International Patent	16.06.2021	Dr. R. S. Dhar, and others	Awarded (2021102579)
7	Intelligent Ear phone System for Remote Health Monitoring using Artificial Intelligence	Australian International Patent	23.06.2021	Dr. R. S. Dhar, and others	Awarded (2021102658)

PhD student details

Sl No	No. of PhD Awarded / Submitted	No. of PhD Ongoing (Full-time & Part-time)
1	07	50+

Laboratory Details

7: Analog Circuit Lab

8: Digital Communication Lab

9: Analog Communication Lab

Department of Electrical and Electronics Engineering

Electrical Engineering department is staring from 2023-2024 session and earlier the department name was Electrical and Electronics Engineering anditwas one of the first three disciplines in the B. Tech program that had started since inception of NIT Mizoram in July 2010. Presently the department offers B.Tech, M.Tech and PhD programs. The B. Tech program was started in 2010 with an intake of 30 students, M.Tech program was started with an intake of 10 students offering specialization in Power Electronics and drives from 2016 onwards. The department offers Ph.D program in wide area of research as a regular, self-financed, sponsored, and part-time mode since 2015. At present there are eight faculty members having a good academic experience dedicated to share the knowledge to the students which help them achieving their goals. The Department aims to impart high quality education to the students and carry out fundamental and industry oriented research work. The research interests of faculties include various areas of Electrical engineering such as Soft computing application in Power System Control, Power Electronics & Machine Drives, Control System and Instrumentation, Non-conventional Energy system, High Voltage Engineering, Electric vehicles etc. The department has well-equipped laboratory facilities for the students such as Electrical Machine Lab, Basic Electrical and Network lab, Power System Simulation Lab, Control & Instrumentation Lab, Power Electronics & Drives Lab are available with the department.

The department has also a Computer and Simulation Lab equipped with following software to work on it: MATLAB, PSCAD, ETAP, and PSIM. Students can access this lab for internet access also. A good number of journal papers, conference papers, and book chapters have been published by the departmental faculty and students. At present 22 students are pursuing Ph.D in the department and 4 have already been awarded the Ph.D degree. One research project on the topic "Analysis, Design and Control of Active Magnetic Bearing for High Speed Application" sponsored by DST SERB is completed. The department has received 2 Patents and 3 more are filed. A department faculty works for Tripura State Electricity Corporation as a consultant. Students Achievements: The students of the department are getting placed in the reputed companies such as Infosys, TCS, Cognizant, Wipro, Samsung, L&T, Vedanta, Power Grid Corporation of India Ltd (PGCIL) etc. with a sound salary packages. Many students went for higher education in premier institutions of India and abroad such as IIT Bombay, IIT Roorkee, IIT Dhanbad, IIT Patna, NIT Surathkal, NIT Silchar, University of Queensland, etc. The campus placement for 2022 outgoing B.Tech batch is 80.95% (till March 2022) out of all the eligible students, it was 75% for 2021 outgoing batch. The highest package to the student of the department in the year 2022 placement is Rs. 14 Lakhs.

List of Faculty Members

Sl. No.	Name of Faculty	Designation	Area of Specialization	No. of Publications
1.	Prof. Saibal Chatterjee	Professor	High Voltage, Power System	72

2.	Dr.Pabitra Kumar Biswas	Associate Professor	Power Electronics and Drives	86
3.	Dr.Suman Majumder	Assistant Professor	Power Electronics and Machine Drives, E-mobility, Renewable Energy Integration and Control	12
4.	Dr.Krishnarti De	Assistant Professor	Power System, Renewable Energy Integration and Control, E-mobility	12
5.	Dr. Ramesh Kumar	Assistant Professor	Renewable Energy, Microgrid, Power System, Power Quality	08
6.	Dr.Anagha Bhattacharya	Assistant Professor	Power and Energy Systems	09
7.	Dr. Sukanta Debnath	Temporary Faculty	Power System, Active Magnetic Bearing	16
8.	Dr.Upama Das	Temporary Faculty	Instrumentation, BLDC Motor Drives	17

List of Technical Staff

Sl. No.	Name of Technical Staff	Designation
1.	Mr. Nitesh Kumar Singh	Technical Assistant
2.	Mr. Lalrin Mawia	Temporary Technical Assistant

Courses offered by the Department

- B.Tech in Electrical Engineering (At present, approved intake including EWS = 38).
- M.Tech with specialization in Power and Energy Systems Engineering (Approved Intake = 12)
- Dual Degree (B.Tech + M.Tech) with M.Tech specialization in Smart Grid Technology
- Ph.D in different areas of research.

Patents Awarded and filed

Awarded:

Sl. No.	Title	Patent Organization	Date	Inventor	Patent No.

1	Novel Fractional order PID based robust controller designing tuned with hybridized GA-PSO algorithm for grid-connected photovoltaic system	Australian Patent Act	28.04.2021	Prof. Saibal Chatterjee, Deptt of EEE and others	Awarded (2021101100)
2	Finate Element Analysis of Structure and Performance Parameters of Dual Stator Induction Machine (DSIM) in JMAG Environment	Australian Patent Act	08.07.2021	Prof. Saibal Chatterjee, Deptt of EEE and others	Awarded (2021103248)

Filed:

Sl. No.	Title	Patent Organization	Inventor
1.	Para foil Kite Controller Using Linear Actuators	-	Dr. P. K. Biswas and others
2.	Dual Kite-Based Continuous HighAltitude Wind Power Generation System	-	Dr. P. K. Biswas and others
3.	A System to Store High Voltage Surge	-	Dr. P. K. Biswas and others
4.	Sustainable electric bus based transit system for managing transportation and supply power to electric buses		Dr. S. Majumder and Dr. Krishnarti De

PROJECT DETAILS

1. Title: Analysis, Design and Control of Active Magnetic Bearing for High Speed Application
   PI: Dr. P. K. Biswas
   Sponsoring Agency: DST SERB
   Period: 3 years
   Amount: Rs. 15, 72,800/-
   Status: Completed
2. Title: Study of the Condition Monitoring Technique of Dry-Transformers
   PI: Prof. Saibal Chatterjee
   Sponsoring Agency: DST SERB
   Period: 3 years
   Amount: Rs. 4388162/-
   Status: Ongoing

Glimpse of few Laboratories of the Department

Fig. 1 Electrical machine laboratory setups.

Fig. 2 Electrical Drives machines set up.

Fig. 3 Flow control trainer and PLC based robotic bottling plant.

Department of Mechanical Engineering

The mechanical engineering department of NIT Mizoram was started from the year of 2013. Currently it's offering the B.Tech course with the annual intake of 30 students. The department has also started the PhD programme offering wide area of research as a regular, self-financed, sponsored, and part-time mode from 2016. M.Tech program was started with an intake of 10 students offering specialization in Thermal Engineering from 2018 onwards. This newly established department comprises of well-qualified faculties, supporting staffs and suitably equipped laboratories. The continuous development in terms of quality faculty members and laboratories evince the Vision and Mission of the department.

The department has well-equipped laboratory facilities for the students such as Engineering Workshop, Thermal Engineering Labs, Manufacturing Labs, Strength of Materials Labs, Dynamics of Machines Labs, Fluid Mechanics Labs and research laboratories like Tribology, Energy Labs, Drying labs and wind tunnels. The department has also a Computer and Simulation Lab equipped with following software to work on it: MATLAB, ANSYS, SOLID EDGE, CATIA and SOLID WORK. Students can access this lab for internet access also.

A good number of journal papers, conference papers, and book chapters have been published by the departmental faculty and students. At present 26 students are pursuing Ph.D in the department and 1 have already been awarded the Ph.D degree. Six research projects have been granted to the department and 4 projects have been completed. The department also organized different programmes like GIAN courses, Workshop, Short term courses and National conferences.

The students of the department are getting placed in the reputed companies such as Infosis, TCS, Cognizant, Wipro, Samsung, L&T, Vedanta, Power Grid Corporation of India Ltd (PGCIL) etc. with a sound salary packages. Many students went for higher education in premier institutions of India and abroad such as IIT Bombay, IIT Roorkee, IIT Dhanbad, IIT Patna NIT Suratkal, NIT Silchar, University of Queensland, etc. The campus placement for 2022 outgoing B.Tech batch is 43% (till March 2022) out of all the eligible students.

List of Faculty Members

Sl. No.	Name of Faculty	Designation	Area of Specialization	No. of Publications
1.	Dr. Saurav Suman	Asst. Prof. & Head	Design and Manufacturing	20
2.	Dr. Sukanta Roy	Associate Professor	Fluid & Thermal Engineering, Renewal Energy	50
3.	Dr. Bidesh Roy	Associate Professor	Fluid & Thermal Engineering, Renewal	26

			Energy, MADM	
4.	Dr. Bachu Deb	Associate Professor	Thermal Engineering	19
5.	Dr. H. Lalhmingsanga	Associate Professor	Thermal Engineering	23
6.	Dr. Abhijit Banik	Temporary Faculty	Manufacturing Technology	7
7.	Dr. Biswajit Roy	Temporary Faculty	Design and Manufacturing	6

List of Technical Staffs

Sl No	Name of Technical Staff	Designation
1	Mr. Lalchhuanawma	Technician
2	Mr. Somnat Chakrabarty	Technical Assistant (Contract)
3	Mr. Lalmuanawma Fanchun	Workshop Supervisor (Contract)

Courses offered by the Department

- B.Tech in Mechanical Engineering (At present, approved intake including EWS = 38).
- M.Tech with specialization in Thermal Engineering (Approved Intake = 10).
- Ph.D in different areas of research.

Research Projects

Sl. No.	Title of Project	Funding Agency	Name of faculty	Budget	Status
1.	Design and development of an ROV to perform underwater welding and repairs	DST-IITG & TIDF	Dr. Saurav Suman	Rs. 38 Lakhs	Ongoing
2.	Technology Gap Analysis Study for Katkhal Sitalpatti Cluster, Hailakhandi, Assam	TIFAC	Dr. Bidesh Roy	Rs. 14.64 Lakhs	Completed

3.	Technology Gap Analysis Study for the Baktawng Wood Carpentry Cluster, Bairabi and Seling Bamboo Clusters, Mizoram	TIFAC	Dr. Bidesh Roy	Rs. 18.45 lakhs	Completed
4.	Development and Testing of Solar Based Air Heating System Integrated with Biomass Furnace for Agro-Industrial Application in Mizoram	DST	Dr. H. lalhmingsanga	Rs. 47.39 Lakhs	On going
5.	Gasification of Agro residue and Municipal Solid Waste through Gasification for dencentralized Power Production	DRDO	Dr. H. Lalhmingsanga	Rs. 77.004	Ongoing

Patent Granted:

Sl. No.	Title of Project	Patent Category	Date of Grant	Inventor	Patent No.
1.	A system for preparing diesel doped with areca-nut-husk nano-additive for CI engine (System zur Herstellung von diesel, dotiert mit Nano-Additiven aus Areca-Nussschalen für C-Motoren)	Utility	2023-03-09	Roy Bidesh; Saha Dipankar	202022107265

Glimpse of few Laboratories of the Department

Strength of Materials

Fluid Mechanics / Machinery

Thermal Laboratory

Manufacturing Laboratory

CENTRE OF INTERDISCIPLINARY RESEARCH (CIR)

The Dept. of CIR is the newest department established in December 2022 considering the NEP 2020 guidelines and MoE notification to induct emerging areas in the front end. The Dept has opened with 3 Specialization namely: (i) Computational Nanotechnology and Semiconductors (ii) Data Sciences (iii) Smart Grid Technology. The dept. will be conducting research in the above areas and provide PhD degree to the students in Interdisciplinary courses.

The Dept. will start to cater BTech-MTech (dual-degree) for the MTech specializations in (i) Computational Nanotechnology and Semiconductors (ii) Data Sciences in alliance with the Dept of ECE and Dept of CSE, respectively, for existing BTech students to opt for from various branches on completion of their 3rd year.

The Dept. has also introduced a new programme as Minor in Semiconductor and VLSI for existing BTech students to take up additional course credits along with their regular BTech curriculum for eg to have the final degree as BTech in CSE and Minor in Semiconductor and VLSI or BTech in ECE and Minor in Semiconductor and VLSI. These courses are to enable the students to be at par with India Semiconductor Mission (ISM) project of GOI and will allow the students for jobs in Semiconductor domain.

FACULTIES

Sl No	Name of Faculty	Designation	Area of Spécialisation
1	Dr. Rudra Sankar Dhar	Associate Professor and HoD	Nanoelectronics, Semiconductor Technology, VLSI
2	Dr. Pabitra Kumar Biswas	Associate Professor	Power electronic Drives, Grid technology systems
3	Dr. Sandeep Kumar Dash	Assistant Professor-II	Natural Language Processing, Machine Learning, Deep Learning
4	Dr. Sushanta Bordoloi	Assistant Professor-II	Compound Semiconductors, Energy storage, VLSI
5	Dr. Lalhruaizela	Assistant Professor-II	Wireless networks, Communication

Hostel and Class Rooms

The Institute provides Hostel facilities to the students of NIT Mizoram. At present there are 1 (one) Girls' Hostel and 4 (four) Boys' Hostel. The hostels are provided with standard facilities of lodging and fooding along with internet services. Indoor games and sports facilities along with Gym facilities are provided in the hostels. There are also common rooms in the hostels with television and newspapers and magazines. The students celebrate festivals like Holi, Eid, Onam, Diwali, Christmas, etc. in the hostels.

The Institute also provides bus services to commute the students from the hostels to the academic blocks. Alongside there are ambulances stationed in the hostel premises for emergency services. Each hostel is also installed with generator for power back up in times power failure. Each hostel has a Warden and Assistant Warden, who are faculty members of the Institute. There are also security guards stationed in the hostel and sanitation personnel to safeguard and maintain the overall premises of the hostels. Overall, the Institute's effort is to provide a home away from home for the students of NIT Mizoram.
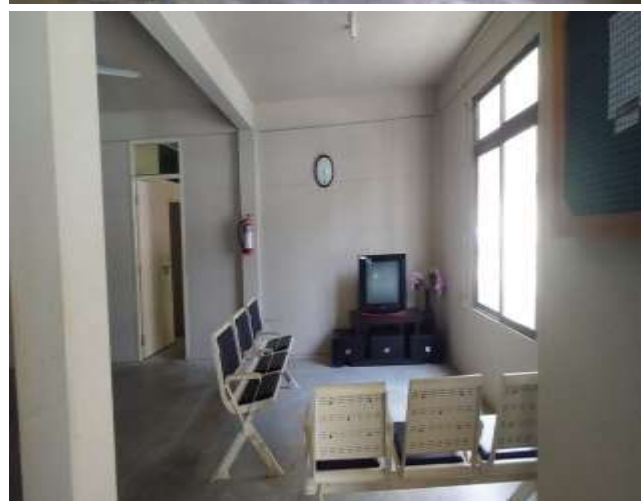
Training & Placement

The Institute has a Training and Placement Cell (T & P) cell to cater to the training programmes of the students as well as provide platform for placement of the students before they complete the final year of the programme. The Institute aims at providing a conducive environment to attract maximum number of companies to hire our students. The T&P (Training and Placement) Cell of NIT Mizoram not only acts as a facilitator for training and placement but also works towards overall development of the students. It works under the guidance of the Training and Placement team in consultation with FIC.

The Training and Placement Cell of the Institute has been set up to look after the Industry-Academia interface so that the students can be groomed into industry-ready technocrats.

The Training and Placement Cell looks after:

-Internship of the Students

-Corporate Grooming of the students

-Conducting various grooming sessions from Industry experts

-Conducting Guest Lectures

-Final Placement of the final year students

The Central Training and Placement Cell is committed to the professional progress of NIT Mizoram students through integrating the career issues within an academic environment for realizing their best possible career path. The Central Training and Placement Cell has a vision to help the undergraduate, postgraduate and Ph. D. students of NIT Mizoram through counseling, instructions and training for development of desired skills essential for suitable job profile/ higher education/ self-employment and inviting the Corporate Industries / Research or Academic Institutes/ Commercial Organizations/ Public Sector Undertakings for campus placement. Ultimate goal is to facilitate the rating of NIT MIZORAM, predominantly dominated by tribal area, as one among the best NITs in India in terms of Job Placement through coordination with other NITs.

The Institute is fortunate to have recruiters from reputed companies like IOCL, ONGC, Power Grid, TCS, Infosys, IBM, L & T, WIPRO, Accenture, Cummins, Reliance Jio, Samsung Electronics, KEC International, Vedanta, etc.

The Institute is fortunate to have placed a record of 80 % placement record till date with a highest package of Rs. 28 Lakhs per annum.

CENTRAL LIBRARY

Introduction

In order to serve the diverse library needs of the Engineering Undergraduate, Post graduate, Research Scholars, the faculty members, and other library users, the Central Library has a collection of over 12,000 physical and over 10,000 electronic resources spread over the two floors of the Library, providing circulation services to user from 9:00 am – 5:00 pm while reading area serves from 9:00 – 8 pm.

Collection Development

The collections of Central Library consist of Textbooks, Reference books, Conference proceedings, Annual report, etc.

Collection Summary:

Sl. No	Resources
1	Books
2	Conference Proceedings
3	Reference Books
4	Annual Report

E-Resources

Digitalization being the new trend of the era; the Central Library is keeping up with the pace by subscription of valuable and updated e-resources for professional development of faculties, Research activities of research scholars and students,

These resources are accessible on and off the campus. The fraternity of NIT Mizoram can access these e-books anytime and anywhere.

Subscribed E-Resources

E-Journals

Sl. No.	Subjects
1	Elsevier Science Direct
2	Springer nature E-Journal
3	Taylor & Francis Online Journal

E-Books

Sl. No.	Subjects
1	Cambridge Online Books
2	Wiley Online Books
3	Elsevier E-Books
4	Springer nature E-Books
5	McGraw Hill Online Book

Automation

The Central Library is automated with an integrated library management software package **'LIBMAN'**. The library collection are available through Online Public Access Catalogue (OPAC) to the users through the IP based online access to these resources. Access to Web-OPAC is given to all the Faculty of NIT Mizoram.

Barcode technology has been successfully installed to assist the circulation process as well as security of the library holdings.

Healthcare Centre

Health Care Centre of NIT Mizoram is being engaged with 1 doctor, 1 nurse and 1 FA. The Health Care Centre Opens from 9:00 am to 3:00 pm Monday to Saturday every week. There are 2 hospital beds and it is stocked with emergency treatment utilities and medicines. It is located at Academic Block 5 building. To provide proper health care & in case of medical emergencies, the institute has leased out 2 (two) emergency vans for 24 hours & 7 days a week which are permanently deputed in the hostels along with a driver.

Innovation HuB

The Innovation Hub constitutes the **Institute Innovation Council (IIC)** of NIT Mizoram under the direction of MoE, GOI. IIC comprises Members (faculty and student) from each department and three external Members are also present. The Innovation Hub of NIT Mizoram is presently under the mentorship of **Dr. Saurav Suman, Coordinator, Innovation Club**. The Council conducts activities guided by the IIC calendar and featured under the IIC portal deliberated on a quarterly action plan in synchronization with activities and initiatives of other departments, centers, and facilities in the Institute working towards promoting IPR, Innovation, Entrepreneurship, and Start-ups. The innovation Hub conducts workshops on relevant topics, organizes innovative idea submission drives, and mentors work on novel ideas. It also invites grass root innovators & entrepreneurs to share their experiences to enrich the students of NIT Mizoram throughout the year. Although Innovation Hub has members from each department of NIT Mizoram but still encourages the Institute fraternity (students and faculty) to approach and come up directly with their innovative concepts to shape the idea into a product or start-up or nurture an entrepreneur subjected to assessments at various levels.

The Hub has signed MoU with National Innovation Foundation (NIF), Ahmedabad, Mizoram Science and Technology Innovation Centre (MISTIC), Aizawl, Mizoram. The Hub received a "**Certificate of Recognition**" in Promising Band Category in 2021 from **ARIIA** under **MoE, GOI**. The Innovation Hub recently, in consonant to the GOI's Pilot programme of Skill Hub Institute under PMKVY in collaboration with LESDE, Govt. of Mizoram, plans to provide technical support and Skill Development in Mizoram. The Hub is also going to sign an MoU as an academic partner with the Software Technology part of India (STPI), an autonomous society registered under the Societies Registration Act 1860, under the Ministry of Electronics and Information Technology (Meity), GOI for the process of setting up the necessary infrastructure for the Gaming and Entertainment Center of Excellence at STPI Aizawl.

INTELLECTUAL PROPERTY CELL (IPR CELL)

IPR Cell, NIT Mizoram, was established in 2020 to create awareness and guide academic and nonacademic staff, students, scholars, and outside agencies on the institute's practices and rules regarding intellectual property rights and obligations within the framework of the IPR policy of the institute. The objective of the IPR Cell is to promote academic freedom and safeguard the interests of inventors in creating and commercializing intellectual property with legal support wherever necessary. IPR Cell provides an environment for acquiring new knowledge through innovation, develops an attitude of prudent IP management practices, and promotes an IPR culture compatible with the institute's educational mission. IPR Cell has organized various IPR awareness programs for the students and faculty of NIT Mizoram. Dr. Saurav Suman is the Nodal officer of IPR Cell, NIT Mizoram

DAAD and DFG Workshop

NIT Mizoram organized the first of its kind a workshop in Mizoram to bring herein the DAAD and DFG team to NIT Mizoram and the credit goes to our respected Director, NIT Mizoram. Dean Academics presented the Welcome talk at the workshop where the Senior Advisor – Communication, German Academic Exchange Service from DAAD, the Programme Officer, German Academic Exchange Service also from DAAD and Deputy Director, German Research Foundation from DFG graced the moment.

In this summer 1 PhD scholar and another 3rd yr BTech student of NIT Mizoram has been selected for a month long Summer Internship at Karlsruhe Institute of Technology (KIT), Germany for June-July 2023.

NATIONAL CADET CORPS (NCC)

- NCC started in the year 1948 with 20000 cadets.
- Largest uniform youth organization in the world with more than 14.5 lakh cadets
- At present, Head Quarter is at New Delhi
- A tri-service organization – 17 State Directorates, 99 Group HQs and 837 NCC Units from Army, Air Force and Naval Wings
- Among these 17 Directorates, Our Cadet (i.e., NIT Mizoram) come under North-East Region Directorates (NER DTE)
- Under NER DTE, there are 8 groups (Shillong is the Group Headquarter)
- Our Unit (Air Wing Unit) is the only Air Wing Unit under Silchar Group

- To create a human resource of organised, trained and motivated youth.
- To provide Leadership in all walks of life and be always available for the service of the Nation.

- To provide a suitable environment to motivate the Youth to take up a career in the Armed Forces.

- To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and ideals of selfless service amongst the youth of the country.

BENEFITS OF NCC
- During the period of courses under NIT Mizoram NCC- two certificates B and C will be received
- This may be helpful particularly in defense services and also non-defense services.

- Example- All our students are in AIR WING – They learn specialized based on the history of Indian Air Force (IAF)
- Also, there is a chance for flying practically

MOTTO OF NCC

Ekta aur anushasan i.e. UNITY AND DISCIPLINE

OUR NIT MIZORAM CADETS

SN	Rank	Name	Regimental No.	Enrollment No.
		NIT MIZORAM NCC CADETS		
		2020 Enrollment		
1	CSUO	Lallawmsangi Colney	MZ20SWF100039	BT20ME009
2	CUO	Binod Sarki	MZ20SDF100013	BT20ME019
3	CWO	Kishor Malakar	MZ20SDF100020	BT20CS003
4	C/Sgt	Megha Chandel	MZ20SDF100014	BT20CS32
5	C/Sgt	Lalruatkimi	MZ20SWF100030	BT20EE006
6	C/Sgt	Aditya Dey	MZ20SDF100019	BT20EC012
7	C/Cpl	Priti Bharti	MZ20SWF100033	BT20EC
8	Cdt	Luxmi Kumari	MZ20SWF100032	BT20CE03
9	Cdt	Akanksha	MZ20SWF100036	BT20CE
10	Cdt	Palli Chanikya	MZ20SDF100016	BT20ME020
		2021 Enrollment		
1	C/Sgt	Lalbera Chhakchhuak	MZ21SDF100060	BT21ME009
2	C/Cpl	Ashish Bisht	MZ21SDF100064	BT21CS019
3	Cdt	Himanshu Kuntal	MZ21SDF100071	BT21ME024
4	Cdt	Vanlallawmkima	MZ21SDF100070	BT21ME007
5	Cdt	Rahul Kumar Prajapati	MZ21SDF100059	BT21CE001
6	Cdt	Pratik Kumar	MZ21SDF100068	BT21EE026
7	Cdt	Nityanand Raj	MZ21SDF100066	BT21EC033
8	Cdt	MD Jabrul Alam	MZ21SDF100056	BT21CS014

CUO - Cadet Under Officer
CWO - Cadet Warrant Officer
C/Sgt - Cadet Sergeant C/Cpl
- Cadet Corporal

Cdt. - Cadet

 Mail -
nitmz.ncc.airwing@gmail.com

 Instagram - nitmz.ncc.airwing

NATIONAL SERVICE SCHEME UNIT, NIT MIZORAM

Background

   National Service Scheme (NSS), under the Ministry of Youth Affairs & Sports Govt. of India, popularly known as NSS was launched in Gandhiji's Birth Centenary Year 1969, in 37 Universities involving 40,000 students with primary focus on the development of personality of students through community service. Today, NSS has more than 3.2 million student volunteers on its roll spread over 298 Universities and 42 (+2) Senior Secondary Councils and Directorate of Vocational Education all over the country. From its inception, more than 3.75 crores students from Universities, Colleges and Institutions of higher learning have benefited from the NSS activities, as student volunteers.

NSS Unit, NIT Mizoram

   NIT Mizoram has started NSS Unit in the year 2017 and two students coordinators are chosen form each department of the Institute to coordinates the activities of the NSS Programme. Following are the activities done so far in the name of NSS Unit, NIT Mizoram.

NSS Orientation cum Awareness Campaign

Aizawl City Cleanliness Cum NSS Foundation Day

Village Survey at Lengpui Village

1 day Free Health Camp at Lengpui

Ek Bharat Shresht Bharat (EBSB)

Ek Bharat Shreshtha Bharat (EBSB) is a flagship programme of the Government of India to bring in Cultural Integration of the country with a vision to build New India by 2022. The Ministry of Human Resource Development, Govt. of India is coordinating the activities under EBSB. In this flagship programme every state and union territory of India is covered and paired with one another to carry out the activities. As such the state of Mizoram is paired with Bihar and Tripura and specifically NIT Mizoram is paired with NIT Agartala of Tripura and NIT Patna. Under this scheme a number of cultural activities are carried out with the motive of understanding one another and learning from each other. Currently Dr. Suman Majumder, Asst. Prof., Dept. of EEE is the Nodal officer for this.

Under this program, following activities have been carried out in 2020 to 2021:

Description of activities	Date	Mode	Remarks
List of activities: Participation in Techno-Cultural Fest, Cultural exchange, Language Exchange, Mizoram Statehood Day celebration, Traditional Expo, Holi - Cuisine Sharing	January to March 2020	Google Meet	NIT Mizoram, NIT Agartala and NIT Patna student conducted the program through online mode
List of activities: Language Exchange, Mizoram Statehood Day celebration, Traditional Expo, Holi - Cuisine Sharing	January to March 2021	Google Meet	NIT Mizoram and NIT Patna student conducted the program through online mode

Sl No	Event	Photographs
1	Ek Bharat Shrestha Bharat (EBSB) scheme was launched by MHRD, Govt. of India and a total of 18 students of NIT Mizoram under the guidance of Dr. K. Gyanendra Singh, AP (HSS), the then Nodal Officer, EBSB, NIT Mizoram visited NIT Agartala during 26th - 28th October 2017. The students of the Institute performed the famous Mizo traditional dance known as Cheraw or Bamboo Dance. Students also participated in a number of activities such as Essay Competition and Debate Competition and NIT Mizoram won 1st Prize in Debate Competition and 2nd prize in essay writing competition	

2	Bihar State day celebration : Online presentation about the state by students	
3	Cultural Exchange Programme : NIT Patna, NIT Agartala, NIT Mizoram	
4	Chapchar Kut Celebration	

Extramural Lecture Series (ELS)

Extramural Lecture Series at NIT Mizoram was introduced in the year 2022. This Lecture Series is organized with the main objective to invite Distinguished Speakers from around the globe to provide an expert talk in their area of expertise, so that the latest developments can be shared among the participants. This will help in developing the socio-economic engineering aspect based research culture at NIT Mizoram which can effectively be spread to the state of Mizoram. The Distinguished Speakers were eminent Researchers from Academia, Research Organizations, and Industry etc. who were invited to present their theme/research to the Faculties, Research Scholars, M.Tech and B.Tech students of NIT Mizoram. Some of the eminent personalities invited were namely:

1) Dr. Kunal Krishna Mukherjee, Associate Professor, Department of Mathematics, Indian Institute of Technology (IIT) Madras has delivered lectures "on the Spectral Theorem" during Aug 2022.

2) A team of IIT Madras alumni Dr S. Sowrirajan, Dr A R Ganesan, Dr N Ganesan, Dr S R Ramanan, Mr S Arumugam, Dr Ram Mani Parameswaran, and Dr N Sugavanam, on 3rd November 2022. They lectures include a topic like Who is a Leader? Importance of Lean & Six Sigma for all Professionals, Role of Optics in Engineering and Cyclones and Disaster Management

3) Dr. Hema Gopal, Former Director of TATA Consultancy Service has delivered a lecture on Brilliant Best Practices on IT Organizations, Opportunities and Challenges.

4) Dr. ChinmoySamajdarChief General Manager, Steel Authority of India Limited gave a lecture on May 2023 in the areas of Today's Engineers From India –How To Be Ready For The Industry?

SPORTS

Mizoram is a state which is very much influential to cultural and sport activities. NIT Mizoram being located temporarily in Aizawl has been conducting sport activities by hiring playgrounds, indoor stadium in different localities in Aizawl.

NIT Mizoram is conducting sports annually named as SHAURYA which includes different outdoor and indoor sports activities such as Cricket, Football, Basketball, Handball, Athletics, Kabaddi, Table Tennis, Badminton, etc. Also, NIT Mizoram students are participating in INTER NIT Sports competition.

NIT Mizoram students participated in All India Inter NIT Competition 2023 on Volleyball, Kabaddi and Yoga held in NIT Surathkal during 20th – 23rd January. NIT Mizoram Volleyball Team has defeated NIT Calicut in the finals which led to the **Champion** in Volleyball Men's Inter NIT Competition, 2023. Also, the most valuable player, MVP was given to our Captain, Mr. Banoth Sairam for his fabulous performance and leadership in the team.

NIT Mizoram students also participated in Power Sport event at SVNIT Surat from 16th February to 19th February in All India Inter NIT Competition 2023. The Power Sport event includes Weightlifting, Powerlifting and Bodybuilding. Mr. Laldawngzuala participated in Weightlifting under 73 Kg category and won the Gold Medal.

Also, Malsawmdawnliana won the Gold Medal in 66kg Category Powerlifting. Also, C. Zorinliana won the Bronze Medal in 83kg Category Powerlifting.

TECHNICAL CLUBS / TECHNICAL SOCIETIES OF DEPARTMENTS

1. Department of Electrical and Electronics Engineering: ELECTRICAL AND ELECTRONICS SOCIETY (EES)

The Electrical & Electronics Engineering Society started in the year 2017 with a vision to organise various activities for the professional and academic development of the students. The Students and faculties of the Electrical & Electronics Engineering Department are the members of the Society. It involves a wide variety of events including technical presentations, debate, quiz, essay, story, circuit designing contests, group discussion, etc.

List of Activities:
The society will mostly deal with activities from the following list to be performed every week:

➢ Co-Curricular Activities
- Debate competition
- Quiz competition
- Technical presentation
- Group Discussion
- Eassay and story writing
- Circuit design competition
- Grooming Classes
- Organisation exhibition
- Departmental news letter

➢ Innovative Activities
- New modeles
- New and smart ideas
- Robotics

The following activities have been conducted during the academic year August 2021-May 2022:

Sl. No.	Program	Date	Detail's
1	The Bigg Quizzz Eve	02/10/2021	The Electrical society of NIT Mizoram conducted a contest "The Bigg Quizzz Eve" on Gandhi Jayanti and the winners of the contest have been decided. The 'winners are 'Prakash Jha, 'Sathvika Saranya' and 'Isha Singh'

2	Robotics Workshop	30/10/2021	We have Collaborated with Upflairs Pvt Ltd for the interactive one-day workshop session on "ROBOTICS" The topic covered: - • Embedded C/C++ • Robotics • Arduino programming • Sensor interfacing • Motor • Serial Communication More than 75 students participated in the workshop and get benefited.
3	Resume Workshop	04/12/2021	We have Collaborated with Campus Hyre in association with Canva. (One of the World leaders in graphic design) and HP Chromebook). The motto of the workshop is to make aware participants 1. Introduction to the latest resume templates. 2. Higher chances of Resumes selection. 3. Learn new styles and resources for creating the best possible resume. 4. Learn about using keywords in resumes and how they increase the chances of resume shortlisting. 5. How does using keywords help you in beating the ATS (Applicant tracking system) used by most of the organizations. 6. Create a concise and polished resume up to date with industry format. 7. Learn about how to put across your professional details in a precise format.

4	Become A Part of Partner for Our Focus Next India Event for North Eastern Students	15/12/2021 - 26/12/2021	We collaborated with PLADEX – Platform they are working across India to connect with like-minded peers and share their ideas, learn from experts and work together under one platform. The sole objective of this event is to create awareness among students through conducting free live interactive sessions by influential speakers and improve the equity among students irrespective of their colleges and domains. We are even conducting competitions to bring out hidden talents from them. Seven Live interactive sessions were being held where speakers interacted with students 18 December – Entrepreneurship & Brand Building 19 December – Women Empowerment 20 December – Mental health & Well Being 21 December – Emerging Technologies 22 December – Tackling Human Trafficking & Self Defense 23 December – Soft Skills & Personality Development 24 December – Basic Laws & Rights
5	Technical Seminar - IT Beyond programming	29/01/2022	We collaborated with Naman Sinha, Data Engineer, Fractal, Bangalore in association with EduCompadre. This seminar was conveyed to them the scopes, relevance, and practical workloads of the job roles apart from just regular programming that they focus on in their engineering. More than 50 students participated in the session. The speaker discussed every aspect of the IT sector. As expected, we also got a good response from the participants and this session was quite interactive.

2 - DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING : TECHNICAL SOCIETY

Department of CSE formed a Computer Society was formed in September 2017 headed by HOD CSE and some of the departmental faculties as faculty advisors along with student members. It aims at organising various activities for the professional and intellectual development of the students such as Web Design, Tech Awareness (Blog/Forum), Presenting innovative ideas, poster presentation on recent developments in technology etc.

Sl No	Events	Photographs	Speaker	Year
1	Talk on 'How to get good internships abroad'		Mr. Saurav Saha	2017
2	Events on Coding Skill Improvement		Alumni of 2014-15 batch	2018
3	Online event "Meet the Alumni"		Alumni of 2014-15 batch	2020
4	Online event "Getting good Institute for Masters Programme"		Divyanshu Bhardwaj	2020

3. department of mechanical engineering: **Mechanical Engineering Society**

The Mechanical Engineering Society has been quite active in organizing talks/ seminars/ workshops to promote digital literacy among the students around. These events help the students to interact with the industry professionals and delve deeper into the field. Below is a list of student enrichment programmes which The Mechanical Engineering Society has conducted during the year 2022-23.

Title of the Event	Category (Webinar/Workshop /Alumni Talk/ Cultural Event/ Other)	Highlights of the Event	Timeline of the Event/Activity
GATE Awareness Webinar	**Webinar**	**GATE preparation strategy**	**14 October 2022 15:00 to 16:00**

Title of the Event	Category (Webinar/Workshop/Alumni Talk/ Cultural Event/ Other)	Highlights of the Event	Timeline of the Event/Activity
One Dimensional CFD application in the Industry	Workshop	Technical demonstration on CFD	22 March 2023 15:00 to 16:00
Webinar on SolidWorks	Webinar	Technical demonstration on SolidWorks	25 April 2023 15:30 to 17:30
Message to GATE aspirants	Alumni Talk	Suraj Barnawal, Batch of 2019 interacted with students	28 April 2023 18:00