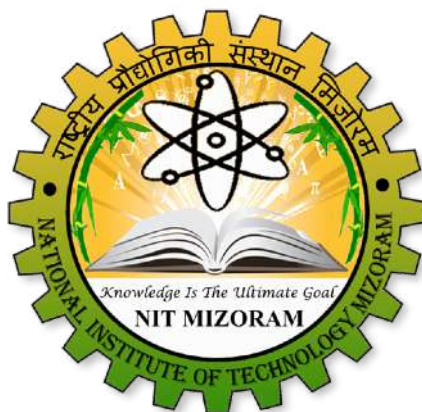# NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

ADMISSION BROCHURE
2022-23

Chaltlang, Aizawl-796012, Mizoram, India
Tel/ Fax:0389-2391236 (o) / 0389-2391774 / 0389-2391699
E-Mail : nit_mizoram@nitmz.ac.in

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., Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering, etc.

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

3. To provide facilities for research in all Engineering Departments, Basic and Applied Sciences and Humanities and Social Sciences leading to Doctoral Degrees.

Message from Director's Desk

Prof. S. Sundar (Director NIT Mizoram)

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 are in the process of signing an MOU with IIT Madras with the scope of collaboration 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. This would facilitate the top 10% of students, at the end of 6th semester of National Institute of Technology Mizoram to seek admission to the direct PhD program of IIT Madras, and enable successful candidates to pursue the 7th and 8th semesters of their BTech program at IIT Madras.

The year 2021 saw an increase of over 60 students. NIT Mizoram hosted FICTA 2021 (International Virtual Conference) from 25th to 26th June 2021 in collaboration with Springer as Publication Partner, IBM as Technical Partner. In the conference, keynote lectures were delivered by eminent academics around the world. From 18th to 19th June 2022, NIT Mizoram is also organizing 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.

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	Actual No. Of Students 2021
B. Tech	1. Electrical & Electronics Engg. (EEE) 2. Electronics & Communication Engg. (ECE) 3. Computer Science & Engg. (CSE) 4. Mechanical Engineering (ME) 5. Civil Engineering (CE)	531
M. Tech	1. Electrical & Electronics Engg. (EEE) 2. Electronics & Communication Engg. (ECE) 3. Computer Science & Engg. (CSE) 4. Mechanical Engineering (ME)	33

Ph. D	1. Electrical & Electronics Engg. (EEE) 2. Electronics & Communication Engg. (ECE) 3. Computer Science & Engg. (CSE) 4. Mechanical Engineering (ME) 5. Civil Engineering (CE) 6. 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

B.TECH INTAKE-DISTRIBUTION UNDER DIFFERENT CATEGORY			
SC	15%	28.5	29
ST	7.50%	14.25	14
OBC	27%	51.3	51
OPEN	40.50%	76.95	77
EWS	10%	19	19
TOTAL	100	190	190
PwD	3%	5.7	6
NON- PwD	97%	184.3	184

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

Department Name	Programme	OPEN	OPEN-PwD	EWS	EWS-PwD	SC	SC-PwD	ST	ST-PWD	OBC	OBC-PWD	Total	Quota
Department of Computer Science & Engineering	Computer Science & Engineering	5	0	1	0	2	0	1	0	3	1	13	AI
Department of Electronics & Communicati on Engineering	Microelectro nics & VLSI Design	4	1	2	0		2	0	1	0	3	0	13	AI
Department of Electrical & Electronics Engineering	Power Electronics &Drives	5	0	1	0		2	0	1	0	3	0	12	AI
Department of Mechanical Engineering	Thermal Engineeri ng	5	0	1	0	2	0		1	0	3	0	12	AI
		19	1	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**

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

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**

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 of different subjects namely Physics, Chemistry, Mathematics, Economics and English. Department of BS&HSS is devoted to foster the fundamental principles and understanding of science to enhance the student's basic knowledge of engineering. 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.	Dr. Alok Shukla	Associate Professor	Physics	PhD.
2.	Dr. Ajmal Koya Pullikal	Associate Professor	Chemistry	PhD.
3.	Dr. K. Gyanendra Singh	Associate Professor	Economics	PhD.
4.	Dr. Shuchi	Assistant Professor (HoD)	English Literature	M. Phil, PhD.
5.	Dr. Vinay Singh	Assistant Professor	Mathematics	PhD.
6.	Dr. Surender Ontela	Assistant Professor	Mathematics	PhD.

Staff Details

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

PUBLICATION DETAILS

S. No.	Name of the Faculty	Number of Publication (2018-22)
1.	Dr. Alok Shukla	25
2.	Dr. Ajmal Koya Pulikkal	08
3.	Dr. K. Gyanendra Singh	02
4.	Dr. Shuchi	08
5.	Dr. Surender Ontela	13

Chemistry Lab. NIT

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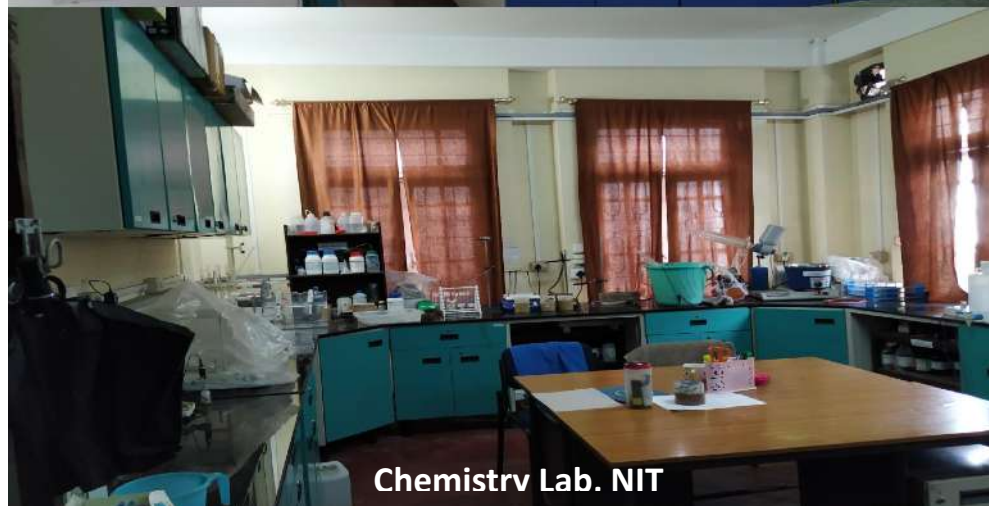
The department as of now only offers Ph.D. programme in various subjects. The number of registered and degree awarded Ph.D. Students is 45 and 8 respectively. There is no UG and PG program offered by the department.

The department has three labs in Physics, Chemistry and English subjects. Department of Physics & Chemistry defines its mission in the context of academic excellence, scientific rigor, and scientific integrity. The department is having 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	FTIR Spectrometer UV-Vis Spectrophotometer Visible Spectrophotometer Brand: Thermo(USA) Hot Air Oven with digital temp. controller
2.	Physics Lab	High Energy Ball MillPE loop tracer Phase sensitive Meter (PSM), N4L

Physics Lab Room, NIT Mizoram

Equipment - Ball Milling Machine and PE Loop Tracer

Equipment - UV Vis Spectrophotometer

Language Lab has been set up to develop student's LSRW skills.

RESEARCH & CONSULTANCY PROJECTS IN THE DEPARTMENT

Sl No	Name of the faculty	Project Title/Funding Agency	Project Status	Sanctioned Amount (INR)
1	Dr. Alok Shukla	Development of Modified Bi- based Nanosized Electronic Materials for Multiferroic Applications (SERB)	Completed	32.8 Lakhs
2	Dr. Ajmal Koya Pulikkal	Physicochemical Properties of Amphiphilic Drugs: Effects of Addition of Organic Solvents (SERB)	Completed	22.98 Lakhs
3	Dr. K. Gyanendra Singh	Economic Valuation of Loktak Lake for Sustainable Use (ICSSR)	Completed	6 Lakhs
4	Dr. K. Gyanendra Singh	Preference over Multi-Modal Mobility Options of Urban Dwellers: A Case of Aizawl City in Mizoram (ICSSR)	Ongoing	10 Lakhs

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

No. Of PhD awarded	8
Physics	5
Chemistry	1
Economics	1
Mathematics	1

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.

FACULTIES:

Currently, there are 3 regular faculties, 3 temporary faculties and 1 Technical Assistant (Contract basis) in the Department. Details are tabulated as follows:

Sl No	Name of Faculties	Designation	Specialisation
1	Dr. Ricky Lalthazuala	Assistant Prof. & HOD	Structural Engineering
2	Dr. Bijayananda Mohanty	Assistant Prof.	Geotechnical Engineering
3	Dr. Sanasam Vipej Devi	Assistant Prof.	Structural Engineering
4	Dr. Sourav Das	Temporary Faculty	Structural Engineering
5	Dr. Pubali Mandal	Temporary Faculty	Environmental Engineering
6	Mr. Ricky L. Chhangte	Temporary Faculty	Structural Engineering

STUDENTS:

The Department is presently having 97 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	30
2	B. Tech 2nd year	28
3	B. Tech 3rd year	20
4	B. Tech 4th year	19
Total Undergraduate students		97
5	PhD Regular Students (Availing Stipend)	4
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 fulfil the undergraduate courses. The details of the laboratories in the Department are tabulated as follows:

Sl No	Laboratory Name	Images	
1	Concrete Lab	Flow Channel	Concrete Lab
2	Surveying Lab		
3	Hydraulics Lab		

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	3	2
Dr. Bijayananda Mohanty	17	12
Dr. Sanasam Vipej Devi	5	3
Dr. Pubali Mandal	6	1
Dr. Sourav Das	4	-
Mr. Ricky L Chhangte	2	-
TOTAL	37	18

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

Total Consultancy Projects		2
Sl. No.	Description	Amount (INR)
1	Third Party Inspection/Examining/Independent Testing for Evaluation of Un-Confined Compressive Strength of Cementitious Sub Base Layer (Aged) ON SITE of Un-measured/satisfactory Patch on Zawnling-Mahwhere-Sapi Road under Project Pushpak, Border Roads Organisation (BRO), Mizoram (PI: Dr. Bijayananda Mohanty)	5,30,000
2	Third Party Investigation and strengthening of RCC Box Culvert near Zokhawthar showing structural distress (PI: Dr. Ricky Lalthazuala)	2,30,000
3	Structural Design of Construction of Multipurpose Hall at Chawnpui, Aizawl (PI: Dr. Ricky Lalthazuala)	2,00,000

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 was 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 department amongst the students which has seen many colours 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 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
2	Dr. Ranjita Das	Assistant Professor	Pattern recognition, Evolutionary algorithm, Data mining
3	Mr. Lenin Laitonjam	Trainee Teacher	Machine Translation
4	Dr. Amit Kumar Roy	Temporary Faculty	Cryptography and Network Security
5	Ms. Bollapalli Sneha	Temporary Faculty	Network Security

TECHNICAL STAFFS

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

PUBLICATIONS:

Sl No	Name of Faculty	No of publications
1	Dr. Sandeep Kumar Dash	7
2	Dr. Ranjita Das	30
3	Mr. Lenin Laitonjam	6
4	Dr. Amit Kumar Roy	14
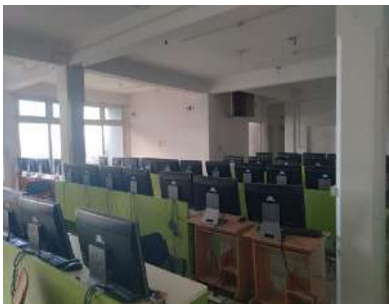
PROGRAMMES OFFERED

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

LABORATORIES

The Department is having the following labs:

i) Network Lab (*10 Advance LAN Trainer Kit (Benchmark), Network Security And Cryptography Kit (Benchmark), Network System Training Kit (Benchmark)*)

ii) Database Lab (*Oracle 12C Enterprise Edition*)

iii) Software Engineering Lab (*IBM Rational Suite Enterprise Edition*)

iv) Microprocessor Lab (*Trainer Kits*)

v) Programming Lab

| Programming Lab | Database Lab | 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, 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, Asst. Professor	Rs. 18.54 Lakhs	Ongoing

NO OF PHDs

Sl No	PhDs completed	PhDs ongoing
1	4	15

ALUMNI

ACADEMIC:

Alumni of the department have enrolled for Master's programmes in IIT Guwahati, IIT Madras, New York University and many more.

INDUSTRIES:

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 three programmes – B.Tech, M.Tech in Microelectronics & VLSI System Design 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, alongwith the B.Tech practical course, facilitates experimental research of Ph.D scholars.

The Department has seven faculty members and one Technical Assistant. All the faculty members are Assistant Professors, out of which four are regular, two are AdHoc and one is temporary faculty member. 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. 02 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. R.S. Dhar, Asst. Prof. in the Department. 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. Stuents have opted for higher studies in institutions like Univ. of North Carolina, USA, Defence Inst. of Advanced Technology, IIT-BHU, IIT Bombay, IIT Guwahati, etc.

The Department has 35, 29, 24, 26 students in B.Tech 1st, 2nd, 3rd and 4th year respectively.

There are 4 and 3 M.Tech students in 1st and 2nd year respectively. 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 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:

S l no.	Name	Designation	Specialization	No of publication
1	Dr. Anumoy Ghosh	Assistant Professor & HoD	RF & Microwave Engineering, Metamaterials	Jour & Conf - 45
2	Dr. Rudra Sankar Dhar	Assistant Professor	Nanotechnology, Microelectronics, Green Technology	Jour & Conf- 102 Books: 02 Book Chapters: 10
3	Dr. Chaitali Koley	Assistant Professor	Microwave Communication	Jour & Conf - 39 Book Chapters: 9
4	Dr. Sushanta Bardoloi	Trainee Teacher	VLSI	Jour & Conf - 14 Book Chapters: 2
5	Dr. Remika Ngangbam	Assistant Professor (AdHoc)	Wireless Sensor Networks, Wireless Communications	Jour & Conf - 8 Book Chapters: 1
6	Mr. Pragati Singh	Assistant Professor (AdHoc)	Microelectronics & VLSI Design, Device and Circuit Modeling	Jour & Conf - 24
7	Dr. Shriman Narayana	Assistant Professor (Temporary)	RF Microwave Engineering, Communication System	Jour & Conf - 7

Project Details

Sl No	Title of Projects	Funding Agency	Name of Faculty	Budget	Status
1	Development of Smart Technology based on Nano-Material Membrane	DST-NanoMission, GOI	Dr. Rudra Sankar Dhar	Rs. 83.93 Lakhs	Completed
2	Special Man Power Development Program for Chips to system Design	Ministry of Electronics and Information Technology	Dr. Chaitali Koley	Rs 100 Lakhs	Completed

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, Deptt of ECE 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, Deptt of ECE 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, Deptt of ECE 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, Deptt of ECE 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, Deptt of ECE 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, Deptt of ECE and others	Awarded (2021102579)

| 7 | Intelligent Earphone System for Remote Health Monitorig using Artificial Intelligence | Australian International Patent | 23.06.2021 | Dr. R .S Dhar, Deptt of ECE and others | Awarded (2021102658) |

PhD student details

Sl No	No. of PhD Awarded / Submitted	No. of PhD Ongoing (Full-time & Part-time)
1	3	44

Laboratory Details

Analog Circuit Lab   Digital Communication Lab

Analog Communication Lab

Department of Electrical and Electronics Engineering

Electrical and Electronics Engineering was 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	Assistant Professor	Power Electronics and Drives	86
3.	Dr. Suman Majumder	Assistant Professor	Power Electronics and Machine Drives, E-mobility, Renewable Energy Integration and Control	10
4.	Dr. Krishnarti De	Assistant Professor	Power System, Renewable Energy Integration and Control, E-mobility	10
5.	Dr. Ramesh Kumar	Assistant Professor	Renewable Energy, Microgrid, Power System, Power Quality	08
6.	Mr. Anagha Bhattacharya (Ph.D. thesis submitted)	Assistant Professor	Power and Energy Systems	09
7.	Dr. Sukanta Debnath	Assistant Professor (Adhoc)	Active Magnetic Bearing, Electric Drives	16
8.	Dr. Upama Das	Assistant Professor (Adhoc)	BLDC Motor, Electric Drives	17

List of Technical Staff

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

Courses offered by the Department

- B.Tech in Electrical and Electronics Engineering (At present, approved intake including EWS = 38).
- M.Tech with specialization in Power Electronics and Drives (Approved Intake = 10).
- 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 High-Altitude Wind Power Generation System	-	Dr. P. K. Biswas and others
3	A System to Store High Voltage Surge	-	Dr. P. K. Biswas and others

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

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
1.	Dr. Bidesh Roy	Assistant Professor	Internal Combustion, Biogas Production, Soft Computing, Renewable Energy
2.	Dr. Bachu Deb	Assistant Professor	Wind Turbines, Renewable Energy, Power Plant Engineering, Fluid Mechanics
3.	Dr. H. lalhmingsanga	Assistant Professor	Fluidization Engineering, Carbon Capture and Sequestration, Biomass Energy Conversion, Gasification Technology, Renewable Energy
4.	Dr. Basil Kuriachen (On- Lien)	Assistant Professor	Metal additive manufacturing, micro- and nano-machining processes, precision and ultra-precision machining, tribology of manufacturing processes, nano-tribology, surface coatings, nano-lubricants, advanced machining processes, friction stir welding & processsing and surface characterization.
5.	Dr. Saurav Suman	Assistant Professor	Design and Manufacturing (Welding Mechanics, Mitigation methods, Residual stresses, Additive Manufacturing etc.)

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	Investigator	Amount (INR) (Lakhs)	Status
1.	Technology Gap Analysis Study for the (i) Baktawng Wood Carpentry Cluster, Mizoram, (ii) Bairabi Bamboo Cluster,Mizoram, and (iii) Seling Bamboo Cluster, Mizoram (2016) sponsored by TIFAC	Dr. Bidesh Roy, Dr. H. Lalhmingsanga, Dr. Abhijit Sinha	10.45	Completed
2.	Decentralized domestic wastewater treatment using hybrid system constructed wetland for efficient nutrients and organic waste removal (2016) sponsored by DST	Dr. H. Lalhmingsanga + MZU	38.29	Completed
3.	Numerical modeling, simulations and experimental investigations to improve the surface tribological properties of Ti-6Al-4V through developing wire electrical discharge alloying	Dr. Basil Kuriachen	22.94	Completed
4.	Spring Water Conservation and its development under climate change scenerio, West Phaileng, Mizoram (2019) sponsored by GBPIHED	Dr. H. Lalhmingsanga + MZU	14.96	Ongoing
5.	Technology Gap Analysis Study for Katakhal Stial Pati clustre, Assam (2020) sponsored by TIFAC	Dr. Bidesh Roy, Dr. Bachu Deb	14.64	Completed
6	Development and Testing of Solar Based Air Heating System Integrated with Biomass Furnace for Agro-Industrial Application in Mizoram (2021) sponsored by DST	Dr. Abhijit Sinha (L) , Dr. H. Lalhmingsanga + NIT Silchar+ Tezpur University	47.39	Ongoing

Glimpse of few Laboratories of the Department

Fig. 1 Fluid Machinery Lab

Fig. 2 Engine Lab

Fig. 3 Computer Integrated Manufacturing Lab

Hostel

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.
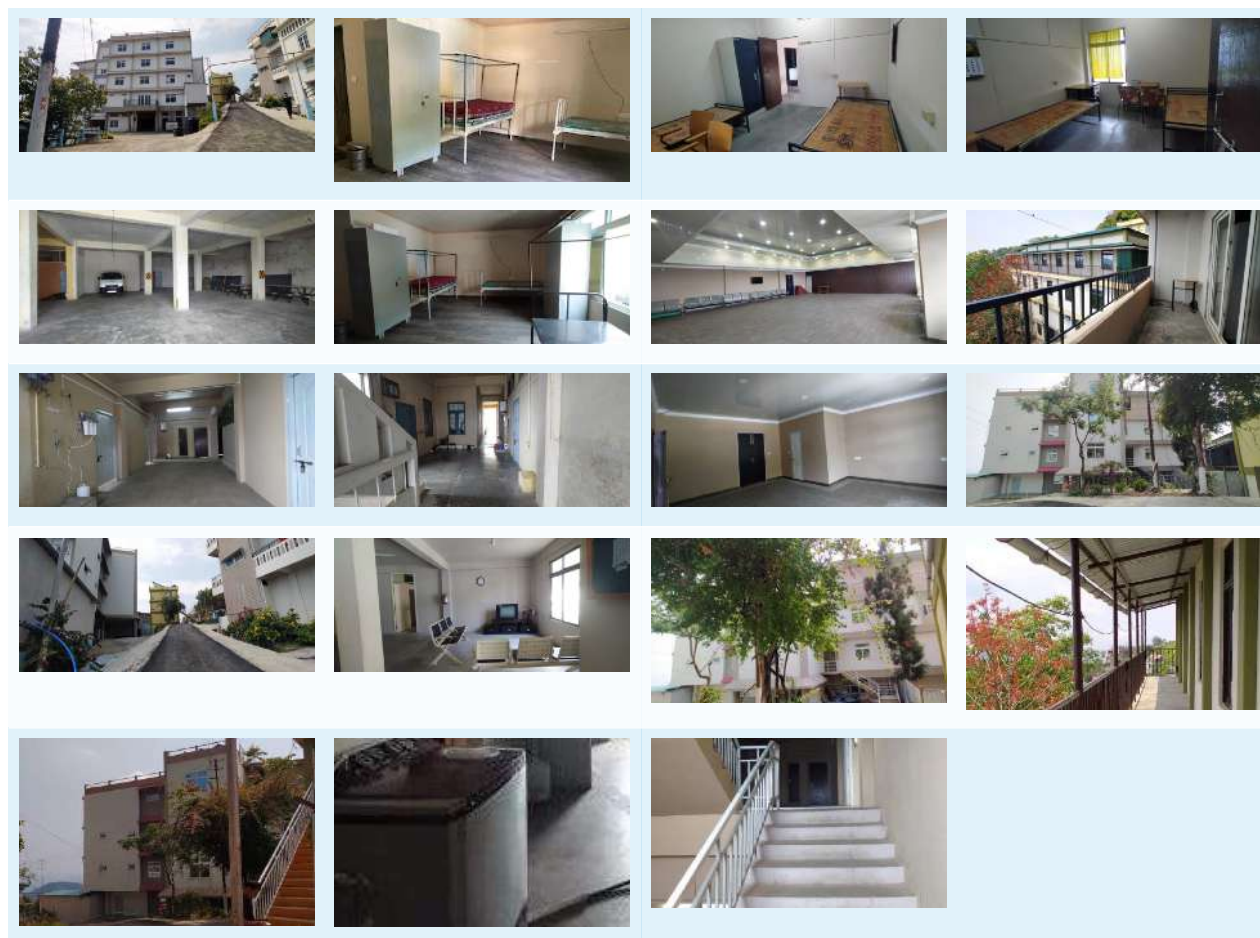
Training & Placement

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 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 65.2 % placement record till date with a highest package of Rs. 14.5 Lakhs per annum.

Innovation HuB

The Innovation HuB constitutes Institute Innovation Council (IIC) of NIT Mizoram under the direction of MoE, GOI. IIC comprises of 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. R. S. Dhar, Coordinator Innovation Club and Nodal Officer NISP under MoE, GOI. The Council conducts activities guided by the IIC calendar and featured under IIC portal deliberated on quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation, Entrepreneurship, and Start-ups. Awareness Program on "Employability, Innovation and Entrepreneurship Skills" is organized. The innovation HuB conducts workshops on relevant topics, organises innovative idea submission drives, mentors to work on novel ideas 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 (student and faculty) to approach and come up directly with their innovative concepts so as to shape the idea into a product, or start- up or nurture an entrepreneur.

In the Innovation HuB a local service provider based mobile app was created while mechanical pen and multipurpose screw driver tool was also developed. The HuB signed MoU with National Innovation Foundation (NIF), Ahmedabad and conducted testing and Validation of 'Large scale spindle machine', for local innovators. ARIIA under MoE, GOI provided "Certificate of Recognition" in Promising Band Category to NIT Mizoram in 2021. 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.

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 defence services and also non-defence 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

SL. NO.	REGIMENTAL NO.	RANK	NAME	INSTITUTE ROLL NO.
SENIORS				
1	MZ19SDF100048	CUO	Rahul Kumar Shah	BT19ME018
2	MZ19SWF100043	CWO	Malsawmzuali	BT18CE019
3	MZ19SDF100065	C/Sgt	Lawmsangzuala	BT19ME015
4	MZ18SDF100055	C/Cpl	Sunny Kumar	BT18CS020
5	MZ19SWF100042	C/Cpl	C.Vanlalthlangi	BT18CS021
6	MZ19SWF100036	Cdt.	Vanlalhlimpuii	BT18CE020
7	MZ19SWF100045	Cdt.	Linda Vanlalfeli	BT18CS022
JUNIORS				
1	MZ20SWF100030	Cdt.	Lalruatkimi	BT20EE006
2	MZ20SWF100032	Cdt.	Luxmi Kumari	BT20CE003
3	MZ20SWF100033	Cdt.	Priti Bharti	BT20EC017
4	MZ20SWF100036	Cdt.	Akanksha	BT20CE004
5	MZ20SWF100039	Cdt.	Lallawmsangi Colney	BT20ME009
6	MZ20SDF100013	Cdt.	Binod Sarki	BT20ME019
7	MZ20SDF100014	Cdt.	Megha Chandel	BT20CS032
8	MZ20SDF100019	Cdt.	Aditya Dey	BT20EC012
9	MZ20SDF100020	Cdt.	Kishor Malakar	BT20CS003
10	MZ20SDF100024	Cdt.	Deepak Kumar	BT20ME006
11	MZ20SDF100028	Cdt.	Lalchhanima	BT20EC018
12	MZ20SDF100029	Cdt.	Purushottam Kumar Singh	BT20CE002
13	MZ20SDF100031	Cdt.	Laldawngzuala	BT20CE013

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

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	

Popular Lecture Series (PLS)

This Popular Lecture Series is a scheme that started for the first time in March 2021 with the main objective to organize Distinguished Speakers (Top 2% scientists or Fellow IEEE) 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, 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) Prof. Ujjwal K. Saha, Professor, Dept of Mechanical Engineering, IIT Guwahati, Assam; 2) Prof. Suresh Chandra Satapathy, Professor of School of Computer Engg and Dean- Research at KIIT (Deemed to be University), Bhubaneshwar, Odisha; 3) Prof. Debatosh Guha (FIEEE), Professor of the Institute of Radio Physics and Electronics, University of Calcutta, India; 4) Dr. Kalyan K.

Sen (FIEEE) Co-Founder/Chief Technology Officer of Sen Engineering Solutions, Inc., USA; and 5) Prof. Shashank Bishnoi, H-TRAS Chair Professor Dept of Civil Engineering, IIT Delhi, India.

SPORTS ACTIVITIES

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.

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