

राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(An Institution of National Importance under Ministry of Education, Govt. of India)



ANNUAL REPORT
&
ANNUAL AUDITED ACCOUNTS
FOR THE YEAR
2023 - 2024

चलत्लांग, आइज़ोल, मिज़ोरम / CHALTLANG, AIZAWL, MIZORAM – 796012

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CHAPTER 1

INTRODUCTION

1.1 Vision

- 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.

1.2 Mission

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

1.3 Objectives

- To offer modern Under Graduate (UG) programmes in various branches of Engineering, viz., Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, etc.
- To initiate new Post Graduate (PG) programmes in Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Mathematics, Physics, Chemistry, Humanities and Social Sciences, Management, etc.
- To provide facilities for research in all Engineering Departments, Basic and Applied Sciences, Humanities and Social Sciences and Management leading to Doctoral Degree.

1.4 Education System

Education means overall development of an individual. An education system should attempt to provide the teaching and training of an individual in order to induce professional competence and ability, personality development, provide leadership to team work, concern for human values towards colleagues and subordinates, respect for superior, behave in a disciplined way and exercise the habits of punctuality, sincerity, devotion, hard work, integrity, honesty and concern for the people, society and nation.

The education system in National Institute of Technology Mizoram envisages achieving the above-mentioned qualities by undertaking an integrated and balanced blend of curricular, co-curricular and extra-curricular activities among students, teachers and supporting staff and by creating congenial and close relations among all.

National Institute of Technology Mizoram, at present, offers (a) UG courses leading to B. Tech. degree in 6 (six) branches of engineering, viz., Electrical Engineering,

Electronics and Communication Engineering, Computer Science and Engineering, Mechanical Engineering, Civil Engineering, and Mathematics and Computing, (b) PG courses leading to M. Tech. degree in 4 (four) branches of engineering, viz., Electrical Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Mechanical Engineering and (c) PG courses leading to Ph.D. degree in 5 (five) branches of engineering, viz., Electrical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Mechanical Engineering, Civil Engineering, and in the Department of Basic Science & Humanities and Social Science (BS&HSS) [Physics, Chemistry, Mathematics, English and Economics]. The Institute follows a credit-based system for academic evaluation. It offers industrial training and projects as a part of the education system.

CHAPTER 2

AN OVERVIEW

2.1 Historical Background

National Institute of Technology Mizoram is one of the 10 (ten) new NITs set up by the Government of India in 2009 to meet the demand for technical and scientific education and to ensure every state in India having its own NIT. NIT Mizoram was established vide Ministry of Education (erstwhile Ministry of Human Recourse Development), Govt. of India Order No. F-23-13/2009/TS-III dated 30th October, 2009. The Institute started functioning from the camp Nagpur under the mentorship of VNIT Nagpur and the academic activities started w.e.f. July 2010 with a total of 63 students in three branches of engineering, viz., Electrical and Electronics Engineering, Electronics and Communication Engineering, and Computer Science and Engineering.

NIT Mizoram started functioning from its Mizoram campus from July 2011. VNIT Nagpur was the mentor institute till 1st December, 2011. The Institute is now governed by the National Institute of Technology (Amendment) Act, 2012, No. 28 of 2012 (An Act to Amend the National Institute of Technology Act, 2007) and henceforth designated as an Institute of National Importance.

2.2 Location

NIT Mizoram is, at present, situated at Chaltlang, Aizawl. Aizawl is the capital city of Mizoram. Mizoram is situated at 23° 30" N latitude and 20° 52" E longitude. Mizoram has a mild and pleasant climate. The temperature varies from a minimum 7° C in the winter season to 30° C in the summer season. The area has an approximate annual rainfall of 254 cm (100 in) per annum.

2.3 Campus

The Institute is, at present, functioning from temporarily campus in hired buildings at Chaltlang, Aizawl. The permanent campus of the Institute is coming up at Lengpui, Aizawl, near the airport. At present, 7 (six) buildings are on hire at Chaltlang and its vicinity for accommodating 1 (one) Administrative block, 1 (one) Library block, and 5 (five) Academic blocks for conducting classes and laboratories. Another 4 (four) buildings are on hire for 3 (three) boys hostel and 1 (one) girls hostel.

2.4 Administration

The Institute is being administered by the Director of the Institute with direct supervision of the Board of Governors (BoGs) headed by the Chairperson. The Director of the Institute is an ex-officio Member of the Board of Governors (BoGs).

2.5 Academic Programmes

The Institute, at present, offers UG programmes leading to the degree of Bachelor of Technology (B. Tech.) in Electrical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Mechanical Engineering and Civil Engineering and PG programmes leading to M. Tech. degree in Electrical Engineering, Electronics and Communication Engineering, Computer Science & Engineering, Mechanical Engineering and Civil Engineering. The Institute also offers PG programmes leading to Ph.D. degree in 5 (five) branches of Engineering, viz., Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Mechanical Engineering and Civil Engineering and in the Department of Basic Sciences and Humanities and Social Sciences (BS&HSS) [Physics, Chemistry, Mathematics, English and Economics]. The details of course offered can be found in Chapter 5.

2.6 Admission Procedure

The admission to 1st year B. Tech. course is made through the Joint Entrance Examination (JEE) Main conducted by Central Seat Allocation Board (CSAB)/ Joint Seat Allocation Authority (JoSAA) and as per the guidelines of the Ministry of Education (erstwhile MHRD), Govt. of India.

The admission to 1st year M. Tech. course is made through the Centralised Counselling for M. Tech. / M. Arch. / M. Plan. Admissions, CCMT. The Institute acts as one of the Counselling and Help Centres both for B. Tech. and M. Tech. admissions.

2.7 Students

The intake of the Institute for the B. Tech. course is, at present, 38 seats per branch. Out of the total intake, 50 percent of the seats are reserved for the host state and the rest 50 percent is open to students from all parts of the country. For the M. Tech. course, the intake is 10 seats per branch. Reservation of seats for Scheduled Castes (SC), Scheduled Tribes (ST), Other Backward Classes (OBC), Persons with Disability (PWD) and Economically Weaker Section (EWS) candidates are as per Government of India norms.

2.8 Examination and Evaluation

Since the beginning the Institute has been conducting examinations for the UG and PG courses. The Examination Section centrally conducts Mid-semester and End-semester examinations in respect of theory components of the subjects unless otherwise permitted. The results are declared in terms of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) on 10 (ten) points scale. As per national standard, results are declared after one week of the completion of the examination.

There is a continuous assessment of the students' performance throughout the semester and grades are awarded by the concerned teacher. In case of theoretical

subjects, the evaluation is based on class assessment (attendance, class tests, assignments, quizzes, etc.), mid-semester examination and end-semester examination. The respective weightage for these sub-components are as below.

Sl. No.	Sub-component	Weightage
1.	Class Assessment	20 %
2.	Mid-semester Examination	30 %
3.	End-semester Examination	50 %

In case of sessional subjects (Laboratory, Design, Practical, Workshop, etc.), the evaluation is based on the basis of attendance, assessment of tasks assigned and the end-semester test / viva.

2.9 Games and Sports

The students of the Institute actively participate in Games and Sports, Cultural and Technical Fests, Quizzes, Debates and other co-curricular and extra-curricular activities. Sports is a compulsory subject for all the first-year students.

CHAPTER 3 STAFF POSITION

3.1 Academic Staff (Teaching)

Sl. No.	Post	Sanctioned Strength	In Position
1.	Professor	5	3
2.	Associate Professor	11	8
3.	Assistant Professor	22	19*
4.	Temporary Faculty		07
	TOTAL	38	37

***Out of 19 Assistant Professors, two are on *Lien retention* to other Institutes**

3.2 Non-Academic Staff (Non-Teaching)

Sl. No.	Post	Sanctioned Strength	In Position
1.	Registrar	1	1
2.	Deputy Registrar	0	1*
3.	Assistant Registrar	1	1
4.	Executive Engineer	1	1
5.	Dy. / Asst. Librarian	1	1
6.	Students' Activity & Sports Officer (SAS Officer)	1	Nil*
7.	Superintendent/ Accountant	3	3 – Superintendent 1 – Accountant (Adhoc)
8.	Technical Assistant	3	3 – Regular 3 – Adhoc
9.	Junior Engineer	1	1
10.	Library & Information Assistant	1	1
11.	Stenographer	1	Nil*
12.	Technician / Lab Assistant/Instructor	6	5 – Regular
13.	Junior Assistant	4	4
14.	Multi-Tasking Staff	2	1
	TOTAL	26	27

* Pursuant to the approval of the Board of Governors in its 29th Meeting dated 25.05.2022 vide BOG 29.36, the post of Deputy Registrar (PB 3, GP Rs. 7,600.00) is regularized with the surrender of the vacant sanctioned posts of Students' Activity & Sports Officer (PB3 + GP Rs. 5,400/-) and Stenographer (PB 1 + GP Rs. 2400/-) as matching savings.

3.3 Training Status

NIT Mizoram encourages its faculty members to actively participate and present their research papers/findings in International and National Seminars / Conferences. A separate fund is allocated for this purpose under Professional Development Allowance (PDA) to all the faculty members as per the norms of Ministry of Education (erstwhile MHRD), Govt. of India and approved by the Board of Governors.



CHAPTER 4**DEPARTMENTS: ACADEMIC STAFF AND FACILITIES****4.1 Department of Electrical Engineering (EE):**

Designation	Name	Qualifications
Professor	Prof. Saibal Chatterjee	Ph. D.
Associate Professor	Dr. Pabitra Kumar Biswas	Ph. D.
Assistant Professor	Dr. Suman Majumder	Ph. D.
	Dr. Krishnarti De	Ph. D.
	Dr. Ramesh Kumar	Ph. D.
	Dr. Anagha Bhattacharya	Ph. D.
Temporary Faculty	Dr. Sukanta Debnath	Ph. D.
	Dr. Upama Das	Ph. D.
	Dr. Suraj Gupta	Ph. D.

4.1.1 Laboratories / Workshops

- a. Basic Electrical Engineering Lab
- b. Electrical & Electronics Measurement Lab
- c. Electrical Machines Lab
- d. Power Electronics and Drives Lab
- e. Control Systems Lab
- f. Power System Simulation Lab
- g. Instrumentation Lab
- h. Circuit Theory Lab
- i. Power Electronics and Drives Lab

4.2 Department of Electronics and Communication Engineering (ECE):

Designation	Name	Qualifications
Professor	-	-
Associate Professor	Dr. Rudra Sankar Dhar	Ph. D.
Assistant Professor	Dr. Chaitali Koley	Ph. D.
	Dr. Anumoy Ghosh	Ph. D.
	Dr. Sushanta Bordoloi	Ph. D.
	Dr. K. Vanlalawmpuia	Ph. D.
Temporary Faculty	Dr. Pragati Singh	Ph. D.
	Dr. Trigunesh Narzary	Ph. D.

4.2.1 Laboratories / Workshops

- a. Digital Circuits Lab
- b. Analog Circuits Lab
- c. Integrated Circuit Lab
- d. Microprocessors & Microcontrollers Lab
- e. Analog Communication Lab
- f. Digital Communication Lab
- g. DSP Lab
- h. VLSI Lab
- i. RF & Microwave Lab
- j. Analog VLSI Lab
- k. State of Art Computing Facility

4.3 Department of Computer Science and Engineering (CSE):

Designation	Name	Qualifications
Professor	-	-
Associate Professor	-	-
Assistant Professor	Dr. Sandeep Kumar Dash	Ph. D.
	Dr. Lenin Laitonjam	Ph. D.
	Dr. Lalhruaizela	Ph. D.
	Dr. Vaibhav Malviya	Ph. D.
	Dr. Ranjita Das *	Ph. D.

***On-Lien Retention to NIT Agartala**

4.3.1 Laboratories / Workshops

- a. Programming & Network Lab
- b. Programming & Database Lab

4.4 Department of Mechanical Engineering (ME):

Designation	Name	Qualifications
Professor	-	-
Associate Professor	Dr. Bidesh Roy	Ph. D.
	Dr. Bachu Deb	Ph. D.
	Dr. H. Lalhmingsanga	Ph. D.
	Dr. Sukanta Roy	Ph.D.
Assistant Professor	Dr. Saurav Suman	Ph. D.
	Dr. Vijay Mandal	Ph.D.
Temporary Faculty	Dr. Nand Kumar	Ph. D.

4.4.1 Laboratories / Workshops

- a. Engineering Mechanics Laboratory
- b. Mechanical Workshop
- c. Fluid Mechanics Laboratories I & II
- d. Dynamics of Machinery Laboratories I & II
- e. Strength of Materials Laboratory
- f. Manufacturing Laboratories I, II & III
- g. Thermal Laboratories I, II & III
- h. High Computing Laboratory

4.5 Department of Civil Engineering (CE):

Designation	Name	Qualifications
Professor	-	-
Associate Professor	Dr. Bijayananda Mohanty	Ph. D.
Assistant Professor	Dr. Ricky Lalthazuala	Ph. D.
	Dr. Sanasam Vipej Devi	Ph. D.
	Dr. Vanapalli Kumar Raja	Ph. D.
Temporary Faculty	Dr. Saurav Das	Ph. D.
	Dr. Ricky L. Chhangte	Ph. D.

4.5.1 Laboratories / Workshops

- a. Surveying Lab
- b. Concrete Technology Lab
- c. Hydraulics Lab
- d. Structure Lab
- e. Geotechnical Lab

4.6 Department of Basic Science & Humanities and Social Sciences (BS & HSS):

Designation	Name	Qualifications
Professor	Prof. Alok Shukla	Ph. D.
	Prof. Ajmal Koya Pulikkal	Ph. D.
Associate Professor	Dr. Konthoujam Gyanendra Singh	Ph. D.
Assistant Professor	Dr. Shuchi	Ph. D.
	Dr. Vinay Singh	Ph. D.
	Dr. Surender Ontela*	Ph. D.
Temporary Faculty	Dr. Nikhil Srivastava	Ph. D.

* **On *Lien retension* to NIT Kurukshetra**

4.6.1 Laboratories / Workshops

- a. Physics Lab
- b. Chemistry Lab
- c. Language Lab

CHAPTER 5

TEACHING PROGRAMMES

5.1 Courses Offered

- (a) *The Institute offers 4 – years B. Tech. degree courses, viz.,*
- Electrical Engineering (EE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science and Engineering (CSE)
 - Mechanical Engineering (ME)
 - Civil Engineering (CE)
 - Mathematics and Computing (MC)
- (b) *PG courses leading to M. Tech. degree of 2 – years duration in the specialization*
- Power Electronics and Drives (Dept. of EE)
 - Microelectronics and VLSI System Design (Dept. of ECE)
 - Computer Science and Engineering (Dept. of CSE)
 - Thermal Engineering (Dept. of ME)
 - Civil Engineering (Dept. of CE)
- (c) *PG courses leading to Ph.D. degree in departments, viz.,*
- Electrical Engineering (EE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science & Engineering (CSE)
 - Mechanical Engineering (ME)
 - Civil Engineering (CE)
 - Basic Sciences and Humanities and Social Sciences (BS&HSS) [Physics, Chemistry, Mathematics, English and Economics]
- (d) *5 year dual-degree programme (BTech-MTech) from all the existing Departments of BTech from Department of CIR with specialization*
- Computational Nanotechnology and Semiconductors
 - Data Science
 - Smart Grid Technology
- (e) *Minor Programmes for Undergraduate students with specialization in*
- VLSI and Semiconductor Technology

5.2 Course Wise Enrolment by Sex and Category

The following table shows the B. Tech. course wise enrolment by sex and category

Semester (Batch)	Branch	Open		Open (EWS)		OBC		SC		ST		PWD		Total
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
1st & 2nd (2023-24) Batch (Fresh Admission)	CE	1	1	4	0	7	3	3	0	6	4	0	0	29
	CSE	1	1	3	2	10	2	3	2	6	2	1	0	33
	ECE	3	2	3	2	10	1	4	0	1	0	0	0	26
	EE	2	1	6	0	4	4	2	1	2	1	0	0	23

During ODD Semester 2023-24)	ME	4	1	2	2	10	3	4	0	2	1	0	0	29
	MA	0	1	2	0	3	1	0	0	1	0	0	0	8
Sub-Total		11	7	20	6	44	14	16	3	18	8	1	0	148
Year Back Student	CE	0	0	0	0	1	0	1	0	0	0	0	0	2
	ECE	0	0	0	0	2	0	1	0	1	0	0	0	4
	EEE/EE	0	0	0	0	0	0	0	0	1	0	0	0	1
	ME	0	0	1	0	0	0	1	0	1	0	0	0	3
Sub-Total		0	0	1	0	3	0	3	0	3	0	0	0	10
Grand Total (Fresh + year-back)		11	7	21	6	47	14	19	3	21	8	1	0	158

5.3 Admission Statistics

The B. Tech. course wise total enrolment of the students in NIT Mizoram is given below.

Sl. No.	Branch	No. of Student (UG) (Including year back students)
1	CE	31
2	CSE	33
3	ECE	30
4	EEE/EE	24
5	ME	32
6	MA	8
Total		158

The M. Tech. and Ph. D. course wise total enrolment of the students in NIT Mizoram for 2023-24 is given below.

M.Tech (Fresh Admission) During ODD Semester 2023-24			
Deptt.	Female	Male	Total
CSE	0	0	0
ECE	0	0	0
EEE	0	0	0
ME	0	0	0
CE	0	5	5
CIR	4	10	14
Total	4	15	19

Ph.D (Fresh Admission) During Odd Semester 2023 & Even Semester 2024 (AY: 2023-2024)			
Deptt.	Female	Male	Total
BS & HSS	5	6	11
CE	3	4	7
CSE	5	7	12
ECE	2	8	10
EEE	8	17	25
ME	0	16	16
Total	23	58	81

The state-wise enrolment of B. Tech. students in NIT Mizoram are given below.

Sl. No.	State	No. of Fresh B.Tech students who have been admitted during Odd Semester 2023-24 (AY: 2023-2024) excluding year-back students
1	ANDHRA PRADESH	28
2	BIHAR	42
3	HARYANA	3
4	JAMU & KASHMIR	1
5	JHARKHAND	3
6	KERALA	1
7	MAHARASTRA	1
8	MIZORAM	23
9	RAJASTHAN	14
10	TELANGANA	9
11	UTTAR PRADESH	20
12	WEST BENGAL	3
TOTAL		148

5.4 Students' Total Strength

The total strength of the B. Tech. students in NIT Mizoram is given below.

Sl. No.	Course Year	No. of Students (UG)
1	First Year (2023) (including 14 years back students and out of 14 only 10 have been admitted)	148+14=162 [162-4=158]
2	Second year (2022)	142
3	Third year (2021)	148
4	Fourth year (2020)	117
Total		569 [569-4=565]

5.5 Hostels

At present, there are 4 (four) Boys' Hostels and 1 (one) Girls Hostel, which can accommodate more than 400 students (including girl students). The Hostels are located at Tanhril and Durtlang, about 10 – 15 kms away from the Academic Buildings at Chaltlang, Aizawl. The Institute has hired 12 (twelve) buses for free transportation of the students to and fro from hostels to academic buildings.

5.6 Scholarships / Assistantships

The students of this Institute are awarded various types of scholarships by various agencies and Central and State Governments. Some of the details of the Central Sector Scholarship are given below.

Scholarship recipients under the “CENTRAL SECTOR SCHOLARSHIP SCHEME OF NATIONAL FELLOWSHIP AND SCHOLARSHIP FOR HIGHER EDUCATION FOR ST” for the year 2023 – 24 (Renewal)

S. No.	NAME OF STUDENT	ENROLL. No.	MINISTRY LETTER No.	LETTER DATE	AMOUNT
1	YASHPAL SINGH	BT19CE024	11021/03/2022-Sch	17-07-2023	11,500.00
2	SONU KUMAR MEENA	BT20ME024			10,000.00
3	RUTHY LALHMANGAIHZUALI	BT20CE034			10,000.00
4	LALLAWMSANGI COLNEY	BT20ME009			10,000.00
5	R. LALRUATEFELI	BT20CS014			10,000.00
6	LALFAKZUALA	BT20CS002			10,000.00
7	SAMUEL LALRINDIKA	BT20CS020			10,000.00
8	VANLALLAWLMKIMA	BT21ME007			10,000.00
9	RAMAVATH RAMESH	BT20EE007			10,000.00
10	BONATHU LOKESH NAYAK	BT20ME026			10,000.00
11	KETHAVATH BALU NAIK	BT21CE027			10,000.00
12	PAMULA SAHITH KUMAR	BT21EC005			10,000.00
13	BUKKYA YUGANCHAR NAIK	BT21CS009			10,000.00
14	BANOTH SAI RAM	BT19EC005			11,500.00

Scholarship recipients under the “CENTRAL SECTOR SCHOLARSHIP SCHEME OF NATIONAL FELLOWSHIP AND SCHOLARSHIP FOR HIGHER EDUCATION FOR ST” for the year 2023 – 24 (Fresh)

S. No.	NAME OF STUDENT	ENROLL. No.	MINISTRY LETTER No.	AMOUNT
1	LILY F LALRAMTIAMI	BT21CE012	11021/02/2022-Sch dated 05-09-2023	10,000.00
2	ANKIT MEENA	BT21CE011		10,000.00
3	NANAVATH HARI SHANKAR NAYAK	BT21ME014		10,000.00
4	JUNALI SONOWAL	BT19CS014		11,500.00
5	GAUTAM JYOTI CHAKMA	BT22EC003		9,500.00
6	SUNIL KANTI CHAKMA	BT21EC006		10,000.00
7	MUDAVATH POOJA	BT22CE003		9,500.00
8	RANJEET KUMAR	BT19ME019		11,500.00
9	BIAKHLUNCHHUNGA	BT21CE003		10,000.00
10	PRITY MALIK	BT20EC002		10,000.00
11	BHUKYA BHAKSHITH NAYAK	BT22EE010		9,500.00
12	LALRINFELA	BT22CE006		9,500.00

13	ROBINSON CHAKMA	BT21EE006		10,000.00
14	RAMESH KANTI CHAKMA	BT21EE027		10,000.00
15	ADE TARUN	BT22EC031		9,500.00
16	BHUKYA SAI KUMAR	BT19ME008		11,500.00

Scholarship Recipients under PM YASASVI TOP CLASS EDUCATION IN COLLEGE FOR OBC, EBC & DNTS-2023-2024 (DBT MODE)

S. No.	NAME OF STUDENT	ENROLL. No.	CATEGORY	AMOUNT
1	SABBAVARAPU YAMINI	BT22CS008	OBC	93,450.00
2	PUSUKURI VARA PRASAD	BT23EC016	OBC	1,07,200.00
3	JANYAVULA BALU NAGA VARAPRASAD	BT22EC033	OBC	93,450.00
4	UGGINA CHAITANYA	BT23EC004	OBC	1,07,200.00
5	MEDURI DEEKSHITA	BT22ME028	OBC	61,200.00
6	RAHUL KUMAR	BT22CE023	OBC	93,450.00
7	MANOJ KUMAR SHARMA	BT22CS031	OBC	93,450.00
8	AADITYA RAJ	BT22CE019	OBC	93,450.00
9	NISHANT RAJ	BT22EC004	OBC	1,35,116.00
10	SANJANA GUPTA	BT22EE001	OBC	1,35,116.00
11	ATUL KUMAR	BT22CS023	OBC	93,450.00
12	SHUBHAM KUMAR	BT22ME005	OBC	93,450.00
13	SOURABH KUMAR	BT22CE004	OBC	93,450.00
14	RAHUL KUMAR	BT22CE020	OBC	93,450.00
15	SONI KUMARI	BT22EE024	OBC	93,450.00
16	PUNAM KUMARI	BT22CE009	OBC	93,450.00
17	VIKASH KUMAR	BT22EC025	OBC	93,450.00
18	ROHIT KUMAR GUPTA	BT22EE031	OBC	1,35,116.00
19	MANISH KUMAR	BT23CS037	OBC	1,07,200.00
20	DIGAMBER KUMAR SHARMA	BT22EC014	OBC	93,450.00
21	DEEPAK KUMAR	BT22EC037	OBC	93,450.00
22	AMAN KUMAR	BT21EC031	OBC	93,450.00
23	RAVIRANJAN KUMAR	BT22CS039	OBC	93,450.00
24	VIKASH KUMAR	BT23CE016	OBC	1,07,200.00
25	RAHUL KUMAR	BT22EE021	OBC	93,450.00
26	RAVI RANJAN SUMAN	BT22EE023	OBC	93,450.00
27	RAVI SHANKAR KUMAR	BT21EE035	OBC	93,450.00
28	ARMAN KUMAR	BT23EC006	OBC	1,07,200.00
29	PRIYANSHU RANJAN	BT22EE016	OBC	93,450.00
30	MONIKA	BT23CE019	OBC	1,07,200.00
31	DHARMENDRA CHOUDHARY	BT21EC028	OBC	93,450.00
32	RITIKA	BT23EE001	OBC	1,07,200.00
33	TELUGU DHARMENDRA	BT22EC010	OBC	1,35,116.00
34	SAURABH VERMA	BT23EC029	OBC	1,07,200.00
35	KSHITIZ VERMA	BT23EC012	OBC	1,07,200.00
36	RAMU YADAV	BT23CS035	OBC	1,07,200.00

37	MOHAMMAD REHAN	BT23EC003	OBC	1,07,200.00
38	HIMANSHU SINGH	BT22ME009	OBC	93,450.00
39	PRACHI GUPTA	BT21EC040	OBC	93,450.00
40	LUCKY	BT22CS001	OBC	93,450.00
41	ABDUL MUID	BT22CS010	OBC	93,450.00
42	SHRADDHA YADAV	BT22ME016	OBC	93,450.00
43	SAURABH	BT22CE026	OBC	93,450.00
44	ABHINAV GUPTA	BT22ME014	OBC	93,450.00
45	PRIYANSHU AGRAWAL	BT23CS006	GEN	1,07,200.00
46	ABHISHEK YADAV	BT22CS040	OBC	93,450.00
47	VINAY PATEL	BT22CS006	OBC	93,450.00
48	ANUSHKA GUPTA	BT22EE017	OBC	1,35,116.00
49	PRASHANT YADAV	BT22EE032	OBC	93,450.00
50	VISHAL KUMAR	BT22CE016	OBC	93,450.00
51	MOHIT RAJ	BT21EE011	OBC	93,450.00

5.7 Games and Sports

The Institute organizes games and sports every year under the banner 'Shaurya.' The following sports are generally organized every year during Sports Week:

- Cricket
- Football
- Table Tennis
- Volleyball
- Carom
- Chess
- Sprint / Race
- Computer games

Besides games and sports, the Institute also organizes Cultural Festival and Technical Festival cum-Fresher's Social annually under the banner '**Anunaad**' for the students.

5.8 Examination Details

The Examination Section centrally conducts Mid-semester and End-semester examination in respect of theory components of the subjects unless otherwise permitted. The results are declared in terms of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) on 10 (ten) point scale. As per national standard, results are declared after one week of the completion of the examination. There is a continuous assessment of the students' performance throughout the semester and grades are awarded by the concerned teacher. In case of theoretical subjects, the evaluation is based on class assessment (attendance, class tests, assignments, quizzes, etc.), mid-semester examination and end-semester examination. The respective weightage for these subcomponents is as below. In case of sessional subjects (Laboratory, Design,

Practical, Workshop, etc.), the evaluation is based on the basis of attendance, assessment of tasks assigned and the end-semester test/viva.

Sl. No.	Subcomponent	Weightage
1.	Class Assessment	20 %
2.	Mid-semester Examination	30 %
3.	End-semester Examination	50 %

Results of the Undergraduate and Post Graduate Examinations

Degree: Bachelor of Technology

Dept.	Semester	Total No. of Students	Total Pass Students After Re-Exam	Total Students Fail	Pass %
CE	I	34	24	10	70.59
	II	34	19	15	55.89
	III	37	26	11	70.27
	IV	30	28	2	93.34
	V	28	25	3	89.29
	VI	27	26	1	96.30
	VII	28	27	1	96.43
	VIII	28	28	0	100
CSE	I	48	33	15	68.75
	II	40	32	8	80
	III	50	46	4	92
	IV	53	44	9	83.02
	V	40	36	4	90
	VI	22	19	3	86.37
	VII	25	21	4	84
	VIII	25	25	0	100
ECE	I	42	28	14	66.67
	II	37	27	10	72.98
	III	36	33	3	91.67
	IV	35	31	4	88.58
	V	39	36	3	92.31
	VI	37	31	6	83.79
	VII	25	24	1	96
	VIII	25	25	0	100
EE	I	19	14	5	73.68
	II	17	14	3	82.36

	III	----	----	----	----
	IV	----	----	----	----
	V	----	----	----	----
	VI	----	----	----	----
	VII	----	----	----	----
	VIII	----	----	----	----
EEE	I	----	----	----	----
	II	----	----	----	----
	III	36	32	4	88.89
	IV	38	24	14	63.16
	V	29	23	6	79.31
	VI	26	19	7	73.08
	VII	22	18	4	81.82
	VIII	22	21	1	95.46
ME	I	35	29	6	82.86
	II	33	20	13	60.61
	III	32	22	10	68.75
	IV	24	19	5	79.17
	V	25	21	4	84
	VI	18	18	0	100
	VII	18	18	0	100
	VIII	18	18	0	100

Degree: Master of Technology

Dept.	Semester	Total No. of Students	Total Pass Students After Re-Exam	Total Students Fail	Pass %
CSE	I	----	----	----	----
	II	----	----	----	----
	III	2	2	0	100
	IV	2	2	0	100
CE	I	5	3	2	60
	II	5	5	0	100
	III	----	----	----	----
	IV	----	----	----	----
ECE	I	----	----	----	----
	II	----	----	----	----

	III	----	----	----	----
	IV	----	----	----	----
EEE	I	----	----	----	----
	II	----	----	----	----
	III	1	1	0	100
	IV	1	1	0	100
ME	I	NA			
	II				
	III				
	IV				
CIR	I	14	14	0	100
	II	14	14	0	100

5.9 Training and Placement

The Training & Placement (T&P) Office, National Institute of Technology Mizoram (NIT Mizoram) facilitates the placement process of students passing out from the Institute, besides collaborating with leading organizations and institutes to set up student internship and training programs. The office liaises with various industrial establishments, corporate houses, etc., which conduct campus interviews and select graduate and post-graduate students from all disciplines. Besides catering to other logistics, the T&P Office provides infrastructural facilities to conduct group discussions, tests, and interviews. The office makes every effort each day to bridge the gap between the dreams and capabilities of our students through training programs to enhance the soft skills and overall personality of students in association with industry and academic experts.

The placement season runs throughout the year, from July through to June. Pre-placement talks are also conducted in this regard as per mutual convenience between the industries and the institute. Job offers, dates of interviews, selection of candidates, etc., are announced through the T&P Office. The Placement Office is assisted by a Faculty T&P Committee comprising faculty members from each department. Student coordinators and members from various undergraduate and post-graduate engineering streams support the office via core, executive, and associate team members. The committee evolves a broad policy framework yearly besides a set of inviolable rules. Student coordinators and members are closely co-opted in implementing these policy decisions.

More than 75 companies conducted recruitment process at NIT Mizoram in 2023-2024 academic session, which includes Mahindra & Mahindra, Vedanta, Power Grid, L&T, Adobe, Delloite, Ashok Leyland, TA Digital, Delta X, Lumiq, KEC International, TCS, Infosys,

Alstom etc. For 2023-2024 academic session, 90.7% of the registered students at Training and Placement Office have been placed in different companies with an average CTC of 7.15 LPA and highest CTC of 18 LPA.

Further, the Institute's Training and Placement Office organizes training and internship opportunities for students. Every B. Tech. department includes a compulsory internship credit course in its curriculum. As a result, students are strongly encouraged to pursue internships with prestigious institutes and industries. In the 2023-24 academic year, 100% students completed internships with organizations such as SAIL, Indian Railways, Airport Authority of India, Bureau of Indian Standards (BIS), PHED & PWD in Mizoram, Power Grid, ECIL, BHEL, IOCL, IOL, CDAC, Google, Microsoft and many more. During the internship, some of these students even received stipends ranging from 5,000/- to 20,000/- per month during their internships.

Electronics and Communication Branch (2020-2024 Batch) – [B. Tech]

Name of Student	Company Name	CTC (LPA)
Ayush Raj	Delloite	7.6
Nilesh	Delloite	7.6
Sanskar Sharma	Adobe, Delloite	11.67, 7.6
B. Charishma Krishna	Ashok leyland	7.5
Sathvika Saranya	Ashok Leyland	7.5
Aryan Gupta	Corizo , Bakliwal Tutorials	6.5, 6
Priti Bharti	CDAC, Apollo International	7, 3.96
Rupesh Gupta	Pando AI, Apollo International	8, 3.96
Divy Prakash Chaudhary	Apollo International	3.96
Anish Kumar	Bajaj Capital	5.6
Chelluri Ashish Dheer	Tutorials point	6
Lalchima	Delhivery	3
Sharda Kumari	Sagacious IP	8
Abhishek Kumar	Sagacious IP, ORC Engineering	8, 4.2
Nishant Nitin Mishra	Scaledge	5
Virendra Kumar	ORC Engineering	4.2

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
20	16	6.7 LPA

Electrical and Electronics Engineering Branch (2020-2024 Batch) – [B. Tech]

Name of Student	Company Name	CTC (LPA)
Kurshed Jakeya Shaik	Vedanta	14.5
Shahil Kumar	Vedanta	14.5
Shristi Shatma	Delloite	7.6
Nihal Kumar	Unacademy, ORC Engineering	8, 4.2

P. Siva Kumar	L&T, Anora Labs	6.5, 6
Raj Kumar	L&T	6.5
M.S.D Gayathri	L&T	6.5
Aditya Vardhan	ShadowFax	5
Shahnaz Khatun	Corizo	6.5
Krishna Raj Vatsh	Power Grid, Bakliwal Tutorials	18, 5.4
Munjam Swapna	Mahindra & Mahindra, Bajaj Capital	8
Pawan Kumar Maurya	Bajaj Capital	5.6
Puroshattam Kumar Singh	Bajaj Capital	5.6

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
13	13	8.68 LPA

Computer Science and Engineering Branch (2020-2024 Batch) – [B. Tech]

Name of Student	Company Name	CTC (LPA)
Amit Kumar Mandal	TA Digital, Delta X	13, 7.5
Pratyusha Garrepelly	Alstom	6.8
Abhishek Kumar	Lumiq.AI	8
Avishek Gope	Lumiq.AI	8
Devananda	VOIS, ShadowFax	5, 5
Vansh Chaudhary	TCS, VOIS	6, 5
Aditya Shrivastav	Capgemini, TCS	7.5, 6
Sunny Babu	TCS	6
Samuel Lalrindika	CodeYoung	7.5
Ankit Kumar	Bajaj Capital	5.6
Nishu Kumari	Tutorials point	6
Chegondi Hari Teja	Tutorials point, VOIS	6, 5
Rantti Das	Bajaj Capital	5.6

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
16	13	7.0 LPA

Mechanical Branch (2020-2024 Batch) – [B. Tech]

Name of Student	Company Name	CTC (LPA)
Palli Chanikya	Vedanta	14.5
Sonu Kumar Meena	Vedanta	14.5
Janaki Ram Abireddy	Lumiq	8
Prakash Jha	Ashok Leyland	7.5
Souvik Mondal	Ashok leyland	7.5
Mantu Kumar	Ashok Leyland	7.5
Suraj Kumar	Corizo	6.5
Poorna Chandra Sekhar Kurushala	Bajaj Capital	5.6

Puneet Kumar	ORC Engineering	4.2
L. Nithish Kumar	Bajaj Capital	5.6
Deepak Kumar	Bajaj Capital	5.6
Mounika Killana	Bajaj Capital	5.6
Lekkala Jahnvi	Mahindra & Mahindra, Bajaj Capital	8, 5.6
Muddha Priyanka	Bajaj Capital	5.6
Banothu Lokesh Nayak	Bajaj Capital	5.6

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
15	15	7.5 LPA

Civil Branch (2020-2024 Batch) – [B. Tech]

Name of Student	Company Name	CTC (LPA)
Mukul Pathak	KEC International, ShadowFax	6, 5
Luxmi Kumari	KEC International, ShadowFax, Delhivery	6.0, 5, 3
Akanksha Kumari	KEC International	6
Avinash Kumar	KEC International	6
Muskan Kumari	KEC International	6
Nayani Aravind	Bajaj Capital	5.6
Krishan Kumar	Bajaj Capital	5.6
Debanjan Das	Bajaj Capital	5.6
Shembok Sohkhlet	Bajaj Capital	5.6
Guriya Kumari	Bajaj Capital	5.6
Ramavath Ramesh	Bajaj Capital	5.6

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
11	11	5.8 LPA

The overall placements for 2024 pass-out batch:

B. Tech Placement Statistics (2020-2024)	
1.	Total Placed Percentage ECE= 80%
2.	Total Placed Percentage EEE= 100%
3.	Total Placed Percentage CSE= 81%
4.	Total Placed Percentage ME= 100%
5.	Total Placed Percentage CE = 100%
6.	Overall Placed Students (B. Tech) = 68
7.	Overall Offers (B. Tech) = 85
8.	Overall Average CTC = 7.15 LPA
9.	Companies Visited = 78
10.	Highest CTC = 18 LPA
Overall Placed Percentage = 90.7%	

CHAPTER 6

THE COUNCIL AND BOARD OF GOVERNORS

6.1 Board of Governors

The following are the members of the Board of Governors (BOGs) of NIT Mizoram:

Sl. No.	Name and Designation	Will serve as
1.	Mr. Harshavardhan Neotia Chairman, Ambuja Neotia Group, Kolkata	Chairperson
2.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Member
3.	Additional Secretary or Joint Secretary (Technical) Deptt. of Higher Education, MoE, Govt. of India	Member
4.	Financial Advisor Deptt. of Higher Education, MoE, Govt. of India	Member
5.	Mrs. Sangchhin Chinzah, IAS Director, Higher & Technical Education, Govt. of Mizoram	Member
6.	Er. Vanlal Duhsaka Secy. (Retd.), PWD, Govt. of Mizoram	Member
7.	Prof. Gopal Das Prof. (Chemistry), IIT Guwahati	Member
8.	Prof. Alok Shukla Professor, Deptt. of BS&HSS (Physics), NIT Mizoram	Member
9.	Dr. Ricky Lalthazuala Asst. Professor Grade-I, Deptt. of CE, NIT Mizoram	Member
10.	Prof. Ajmal Koya Pulikkal, Registrar In-Charge, NIT Mizoram	Secretary

6.2 Finance Committee

The following are the members of the Finance Committee of NIT Mizoram:

Sl. No.	Name and Designation	Will serve as
1.	Mr. Harshavardhan Neotia Chairman, Ambuja Neotia Group, Kolkata	Chairman
2.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Member
3.	Joint Secretary or his nominee Deptt. of Higher Education, MoE, Govt. of India	Member
4.	Financial Advisor or his nominee Deptt. of Higher Education, MoE, Govt. of India	Member
5.	Prof. Alok Shukla Professor, Deptt. of BS&HSS (Physics), NIT Mizoram	Member
6.	Prof. Ajmal Koya Pulikkal, Registrar In-Charge, NIT Mizoram	Ex-Officio Member Secretary

6.3 Building and Works Committee

The following are the members of the Building & Works Committee of NIT Mizoram:

Sl. No.	Name and Designation	Will serve as
1.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Chairman
2.	Director (TE) Deptt. of Higher Education, MoE, GoI	Member
3.	Director (IFD), Deptt. of Higher Education, MoE, GoI	Member
4.	Prof. Anjan Dutta, Professor, Deptt. of CE, IIT Guwahati	Member (BOG Nominee)
5.	Prof. P. S. Choudhury Professor, Deptt. of CE, NIT Silchar	Member (BOG Nominee)
6.	Dr. J. H. Ansari, Former Director, SPA, New Delhi	Member (BOG Nominee)
7.	Shri CH. Lalnunchama, Executive Engg. (Electrical), PWD, Govt. of Mizoram	Member
8.	Dr. Bijayananda Mohanty Assoc. Professor, Deptt. of CE & Dean (P & D), NIT Mizoram	Member
9.	Prof. Ajmal Koya Pulikkal, Registrar In-Charge, NIT Mizoram	Ex-Officio Member Secretary

6.4 Senate

The following are the members of the Senate of NIT Mizoram:

Sl. No.	Name and Designation	Will serve as
1.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Chairman
2.	Prof. R. Sarathi FNAE, Deptt. of Electrical Engineering, IIT Madras	Member
3.	Prof. M. Kamaraj FNAE, Deptt. of Materials & Metallurgical Engineering, IIT Madras	Member
4.	Prof. Anindita Chakrabarti Professor, Deptt. of HSS, IIT Kanpur	Member
5.	Dr. Rudra Sankar Dhar Dean (Academics), NIT Mizoram	Member
6.	Prof. Ajmal Koya Pulikkal, Registrar In-Charge, NIT Mizoram	Secretary

CHAPTER 7

CONCESSION FOR SC, ST, OBC, PERSONS WITH DISABILITY AND ECONOMICALLY WEAKER SECTION

7.1 Concession for Students

Admission to 1st year of B. Tech. Course is made through JEE Main conducted by CSAB and reservation of seats for SC, ST, OBC, EWS and Physically Handicapped (PH) category of candidates is followed as per the guidelines framed by Department of Higher Education, Ministry of Education, Govt. of India.

The reservation of seats is as follows:

Course	Type of Concessions	Category of Students	Magnitude
B. Tech.	Reservation at admission stage	SC	15 %
		ST	7.5 %
		OBC	27 %
		PWD	3 %
		EWS	10 %

7.2 Concession for Staff

The Institute also follows reservations in appointment at entry level to SC, ST, OBC and PWD category of candidates as per Government of India rule. Concession in application fee is also applicable as the rule of the Government of India.

CHAPTER 8

FINANCIAL STATUS

8.1 Analysis of Plan, Non-Plan and OSC Grants

(Figures in Rs. Lakh)

Sl. No.	Year	Grants-in-aid from Min. of Education (erstwhile MHRD), Govt. of India				IRG	Total
		Plan	Non-Plan	Plan (OSC)			
				Recurring	Non-recurring		
1.	2009-10	140.00	-	140.00	-	-	140.00
2.	2010-11	250.00	-	-	250.00	20.89	270.89
3.	2011-12	500.00	-	500.00	-	57.66	557.66
4.	2012-13	1,500.00	-	1,100.00	400.00	121.98	1,621.98
5.	2013-14	1,500.00	-	200.00	1,300.00	155.36	1,655.36
6.	2014-15	5,300.00	-	897.32	4,402.68	203.39	5,503.39
7.	2015-16	6,594.65	-	830.40	5,764.25	216.41	6,811.06
8.	2016-17	5,500.00	-	413.00	5,087.00	268.83	5,768.83
9.	2017-18	7,316.00	-	2,600.00	4,716.00	465.85	7,781.85
10.	2018-19	2,050.00	-	2,050.00	-	320.90	2,370.90
11.	2019-20	-	-	-	-	261.92	261.92
12.	2020-21	1,964.00	-	864.00	1,100.00	223.55	2,187.55
13.	2021-22	1,352.46	-	1,227.46	125.00	249.70	1,602.16
14.	2022-23	4,423.23	-	3082.23	1341.00	452.37	3534.60
15.	2023-24	4,690.00		3598.00	1092.00	465.00	5155.00
TOTAL		43,080.34	-	17,502.41	25,577.93	3,483.81	45,223.15

8.2 Sources of Fund

The Ministry of Education, Government of India is source for providing funds to this Institute.

8.3 Expenditure Position

The expenditure position is given in the Annexure in the Audit Report.

CHAPTER 9

CENTRAL FACILITIES AND SERVICES

9.1 Library

The Institute has a Central Library which approximately consists of 14,400 books. Out of this about 13,600 books belong to general textbooks for use in regular classes and more than 800 books are for reference.

Apart from this, the library also has 6790 titles of E-books from renowned publishers like Elsevier, Tata McGraw, Springer Nature, Cambridge University Press, Wiley online Books belonging to various departments of the Institute.

Besides a good number of journals like Taylor & Francis, Springer Link (1700+ e-Journals), and Science Direct, Jstor, Mathscinet. Central Library has become a member of E-sodhsindhu consortium in 2024.

Central Library consists of reports, magazines, national and regional newspapers also. The Central Library has taken initiative to add all the faculty members and researchers with IRINS, a web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre. The IRINS is supporting us to integrate the existing research management system such as HR system, course management, grant management system, institutional repository, open and commercial citation databases, scholarly publishers, etc.

In 2024 the Central Library took the initiative to participate in Sodh-chakra. Shodh-chakra is an initiative of the Information and Library Network Centre (INFLIBNET) under the guidance of the (UGC) to help the academic community during their research life cycle. Shodh-chakra provides a unique space to the researcher, guide/supervisor and university to manage the research lifecycle of a research scholar. This will work as a digital workspace wherein researchers can collect, store, organize and cite their research work. The Shodh-chakra would help researchers to create their profile and manage their preferences.

The Central Library uses Turnitin anti-plagiarism software for plagiarism checking; research thesis are plagiarism checked through Turnitin software and are uploaded to Sodhganga, a repository of Information and Library network Centre as per UGC Notification (Minimum Standards & procedure for Award of M.Phil/Pd.D Degree, regulation, 2009)

All the rooms of Central Library are equipped with air conditioners for better reading environment, and is functional with LIBMAN library management software. CCTV has been installed in all the areas of library in order to provide proper security.

9.2 Central Workshop

The Institute has one Central Workshop with a good number of machines and instruments. The various shops available are Carpentry, Fitting, Welding and Machine shops. The major machines available in the workshop are the Lathe machine, Milling Machine, Shaper Machine, Cutting Machine, and Drilling Machine. The welding shop has manual arc welding machines with all the safety equipment for the students and

instructor. The **Mechanical Engineering Department** maintains and conducts the laboratory experiments of the workshops. The snapshots of the workshop are shown below.



9.3 Internet Service

The Institute buildings are well connected with both wired and wireless internet connections. The Institute has 20 Gbps internet connectivity (24X7) under National

Knowledge Network (NKN), Govt. of India, connected through redundant fiber cables. Apart from this, the Institute is also having a 2Mbps leased line internet connection from BSNL and other Private Internet Service Providers as redundant connectivity. As a whole the Institute is connected and properly networked via cisco router and switches.

9.4 Laboratories

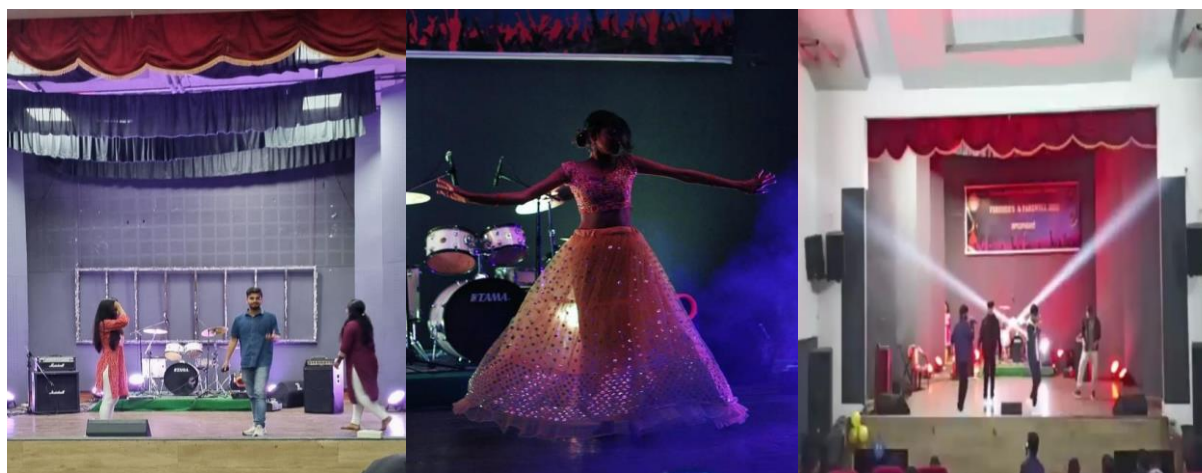
Each Department in the Institute has various laboratories with well-equipped instruments and machines.

CHAPTER 10

EVENTS AT NIT MIZORAM

10.1 Anunaad 2023

The National Institute of Technology Mizoram hosted a remarkable event named "Anunaad" on April 3, 2023, to celebrate both the Fresher Party for the Batch of 2022-2026 and the Farewell for the Batch of 2019-2023. This event marked an important occasion in the institute's calendar, as we welcomed new students and bid adieu to our graduating seniors. "Anunaad: Fresher Party and Farewell" took place at Vanapa Hall and commenced at 2:00 PM. This dual-purpose event was designed to create a sense of camaraderie and unity among our diverse student body.



Performance during Annunad 2023

10.2 Extramural Talk on Automotive Disruption & The Urban Mobility Revolution

The Department of Electrical Engineering conducted an Extramural Talk on Automotive Disruption & The Urban Mobility Revolution on 25th April 2024 with joint collaboration of The Institution of Engineers Mizoram State Centre. The Department invited Prof. Kailash Srivastava, former IIT Mandi Adjunct faculty for this talk. The lecture started with the introduction speech by Prof. Saibal Chatterjee, Chairman, (IEI) Mizoram State Centre and felicitation of the invitee by Director Prof. S. Sundar.

The expert lecturer started his talk in a very innovative way via quizzes to be answered by the audience regarding the concerned topic. The automotive industry is experiencing significant disruption due to various technological advancements, regulatory changes, and shifting consumer preferences. This disruption is transforming urban mobility, leading to what many are calling an urban mobility revolution.



The talk was much focused on the changing trend of science and how the urban mobility has made its way by adapting to the necessary changes to facilitate the future requirements. The audience found interest in the expert lecturer's vast experience in industry platform and his unique transform into academics. Prof. Kailash concluded that the automotive disruption and urban mobility revolution are reshaping how people and goods move within cities. As technology continues to advance, and cities adopt more sustainable and integrated transportation systems, the future of urban mobility promises to be more efficient, environmentally friendly, and accessible to all. The collaboration between governments, businesses, and communities will be key to successfully navigating these transformative changes. The audience interacted with Prof. Kailash Srivastava with their queries in the field. The lecture ended with vote of thanks for the Department HoD, Dr. Suman Majumder and the coordinator Dr. Krishnarti De.





10.3 INTERNATIONAL YOGA DAY

The International Day of Yoga 2023 was celebrated by performing Yoga Poses suggested by Ministry of Aayush. Faculty, staff and students enthusiastically participated in the same. Few photographs of the same are as below.



10.4 EXTRAMURAL TALKS / LECTURES

Department of Mechanical Engineering organized an extramural lecture on Research opportunities at IIT Gandhinagar on 2nd June of 2023. The talk was delivered by Dr. Amit Arora, Associate Professor, Dept. of Material Engineering, IIT Gandhinagar at Seminar hall, Administrative building, NIT MIZORAM. Students enthusiastically interacted with expert during his talk and got to know about different fellowships available at IIT Gandhinagar for direct Ph.D (after UG) and regular Ph.D, JRF etc.



10.5 Expert lecture/ talk on Start-ups & Entrepreneurship

The Institute Innovation Council (IIC) of NIT MIZORAM has organised series of online seminars which intend to raise awareness about 'Startup and related Ecosystem Support Services for Startup Development' in accordance with the activities outlined in the Institute Innovation Council (IIC) calendar for the Academic Year 2022-23. The three sessions were on the topic of **"Lean Start-up & Minimum Viable Product/Business"** on **12th August 2023** by **Dr. Bidush Kanti Das**, a distinguished entrepreneur and the Co-founder of **Zelence Industries**. The second session topic was **"Innovation/Prototype Validation – Converting Innovation into a Start-up"** on **26th August 2023** delivered by **Mr. Yuvraj Anand**, a distinguished entrepreneur and the Co-founder of **Peepl, Yolo**. And, the 3rd session on the topic of **"Accelerators/Incubation - Opportunities for Students & Faculties – Early-Stage Entrepreneurs"** on **19th August 2023** was delivered by **Mr. Siddhant Shrivastava**, a distinguished entrepreneur and the co-founder of **Smart Innovative Design and Development (SIDD) Labs**. These program was hosted by **Dr. Kumar raja Vanapalli** (Start-up activity coordinator), and **Dr. Saurav Suman**, (Convenor, IIC).

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(AN INSTITUTE OF NATIONAL IMPORTANCE UNDER THE MINISTRY OF EDUCATION, GOVT OF INDIA)

Online Seminar on
LEAN START-UP AND MINIMUM VIABLE PRODUCT/BUSINESS

Organised by
INSTITUTE INNOVATION CELL, NIT MIZORAM

SPEAKER

Dr. Bidush Kanti Das
Co-founder of
Zelence Industries Pvt. Ltd
IT Haborang

12 August 2023 **11.00 AM** Online Mode (Google Meet)

Co-ordinators
Dr. Kumar Raja Vanapalli
Dr. Saurav Suman

<https://meet.google.com/sby-xifu-bkn>

Ministry of Education, NIT's INNOVATION CELL, INSTITUTE INNOVATION COUNCIL

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(AN INSTITUTE OF NATIONAL IMPORTANCE UNDER THE MINISTRY OF EDUCATION, GOVT OF INDIA)

Online Seminar on
INNOVATION/PROTOTYPE VALIDATION – CONVERTING INNOVATION INTO A START-UP

Organised by
INSTITUTE INNOVATION CELL, NIT MIZORAM

SPEAKER

Mr. Yuvraj Anand
Co-founder of
Peepl, Yolo
IT Haborang

26 August 2023 **11.00 AM** Online Mode (Google Meet)

Co-ordinators
Dr. Kumar Raja Vanapalli
Dr. Saurav Suman


<https://meet.google.com/sby-xifu-bkn>

Ministry of Education, NIT's INNOVATION CELL, INSTITUTE INNOVATION COUNCIL

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(AN INSTITUTE OF NATIONAL IMPORTANCE UNDER THE MINISTRY OF EDUCATION, GOVT OF INDIA)

Online Seminar on
ACCELERATORS/INCUBATION - OPPORTUNITIES FOR STUDENTS & FACULTIES – EARLY-STAGE ENTREPRENEURS

Organised by
INSTITUTE INNOVATION CELL, NIT MIZORAM

SPEAKER

Mr. Siddhant Shrivastava
Founder of
SIDD Labs Pvt. Ltd
IT Haborang

19 August 2023 **11.00 AM** Online Mode (Google Meet)

Co-ordinators
Dr. Kumar Raja Vanapalli
Dr. Saurav Suman

<https://meet.google.com/sby-xifu-bkn>

Ministry of Education, NIT's INNOVATION CELL, INSTITUTE INNOVATION COUNCIL

10.6 A Popular and Extramural Lecture

Experience the insightful discourse on India's global leadership at the G20 Presidency lecture hosted by Dr. Pragati Singh at NIT Mizoram. Dr. Vaishali Krishna, an esteemed Assistant Professor from JNU's School of International Studies, delved into the theme of "One Earth, One Family, One Future" on 07th August, 2023. Her profound insights illuminated the Seminar Room in the Administrative Block, underscoring India's vision for global cooperation and sustainable development. This event underscored the importance of international dialogue and collaboration in shaping a shared future for humanity.



10.7 NorthEast Y20 Conclave

The North East Y20 Conclave, hosted at NIT Silchar from 25th-28th August 2023, was a landmark event fostering youth empowerment and regional cooperation in India's North Eastern states. Organized by NIT Silchar and Assam University, with co-organizers including NIT Agartala, NIT Arunachal Pradesh, and others, the event received support from the DONER Ministry and RIS New Delhi. Sponsored by SBI, IOCL, and SBI Mutual Fund, among others, the conclave featured panel discussions, workshops, and sessions on education, entrepreneurship, and sustainable development. Celebrating the three-year anniversary of NEP 2020, it highlighted the transformative impact of India's National

Education Policy. Led under the supervision of Dr. Pragati Singh, the conclave engaged youth and stakeholders in impactful dialogues and collaborations, marking it a resounding success.



10.8 SPIC MACAY

The Society for the Promotion of Indian Classical Music and Culture amongst Youth (SPIC MACAY) founder Padma Shri Kiran Seth, Emeritus Professor, IIT Delhi visited NIT Mizoram on 24th January 2024 and interacted with our Director, Prof. S Sundar and also with the students of NIT Mizoram. A SPIC MACAY programme was held, where, Pandit Vishwa Mohan Bhatt (Padma Bhushan) and Shri Kaushik Konwar performed on 13th March 2024 at Vanapa Hall, Aizawl. It was mesmerising evening of classical raga and music.



Padma Shri Kiran Seth with Prof. S Sundar, Director, NIT Mizoram and along with Registrar, Dean (SW) and Associate Dean (SW)



Performance by Pandit Vishwa Mohan Bhatt (Padma Bhushan) and Shri Kaushik Konwar

10.9 SVEEP Programme

The Central Bureau of Communication, Field office, Aizawl along with NIT Mizoram organised on day Integrated Communication and Outreach Programme on Systematic Voters' Education and Electoral Participation (SVEEP) at Academic Block – VIII, NIT Mizoram on 18th March 2024. The programme gave insights to the polling process and voting process and it was immensely useful for the voters in general but the first-time voters, the students, in particular.



SVEEP programme

10.10 Report on Extramural Lecture

The Department of Civil Engineering at NIT Mizoram, in collaboration with The Institution of Engineers (India) Mizoram State Centre, organised an offline extramural lecture on April 12, 2024, at 3:00 PM in the Administrative Block conference room at NIT Mizoram. The event was graced by Prof. S. Sundar, Director of NIT Mizoram, as the Chief Patron, and Prof. Saibal Chatterjee, Chairman of IEI (India) Mizoram State Centre, as the Patron. The lecture was delivered by Prof. Deepankar Choudhury, T. Kant Chair Professor (HAG) in the Civil Engineering Department at IIT Bombay, on the topic "Sustainable Foundation Solutions for Mega Infrastructures - Case Studies." Dr. Sanasam Vipej Devi, Head of the Civil Engineering Department at NIT Mizoram, served as the Organizing Secretary, and Dr. Kumar Raja Vanapalli, Assistant Professor at NIT Mizoram, was the Convenor.

Prof. Choudhury's major research areas are Civil Geotechnical Earthquake Engineering, Computational Geomechanics, Sustainable Foundation Engineering, CPRF, Soil Dynamics, and Disaster Resilient Geo-structures. His pioneering research on the pseudo-dynamic method of analysis and design of earthquake-resistant geotechnical structures and

dynamic formulation of the Combined Pile-Raft Foundation (CPRF) is considered fundamental engineering and scientific contributions which are highly recognised and appreciated across the globe.



NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
 (An Institute of National Importance under Ministry of Education, Govt. of India)

Extramural Webinar on

SUSTAINABLE FOUNDATION SOLUTIONS FOR MEGA INFRASTRUCTURES - CASE STUDIES

📅 **12th APRIL 2024 (4 PM)**

VENUE: Administrative Building Seminar Hall, NIT Mizoram

Organised by
DEPARTMENT OF CIVIL ENGINEERING, NIT MIZORAM
 &
THE INSTITUTION OF ENGINEERS (INDIA) MIZORAM STATE CENTRE

CHIEF PATRON: **Prof. S. Sundar**, Director, NIT Mizoram
 PATRON: **Prof. Saibal Chatterjee**, Chairman, IEI (India) Mizoram State Centre
 SPEAKER: **Prof. Deepankar Choudhury**, Chair Professor (HAG), Civil Engineering Dept., IIT Bombay
 ORGANIZING SECRETARY: **Dr. Sanasam Vipej Devi**, HOD, Civil Engineering Dept., NIT Mizoram
 CONVENOR: **Dr. Kumar Raja Vanapalli**, Asst. Professor, NIT Mizoram





THE INSTITUTION OF ENGINEERS (INDIA)
 (Established in 1920, Incorporated by Royal Charter 1995)
 A Scientific and Industrial Research Organisation
 A Century of Service to the Nation

Extramural Webinar
 on

SUSTAINABLE FOUNDATION SOLUTIONS FOR MEGA INFRASTRUCTURES - CASE STUDIES

Organized by
 THE INSTITUTION OF ENGINEERS (INDIA)
 MIZORAM STATE CENTRE
 &
 NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

📅 **12th APRIL 2024 (4 PM)**

Registration Link: <https://forms.gle/rYxW7JQWbTbxzQdz8>

Online Streaming Platform:
 Google Meet
 (<https://meet.google.com/zbq-tyqv-bzo>)

PANELIST

 **Prof. Deepankar Choudhury**
 Professor, Civil Engineering Department
 IIT Bombay

MODERATOR

 **Dr. Kumar Raja Vanapalli**
 Asst Professor, Civil Engineering Department
 NIT Mizoram

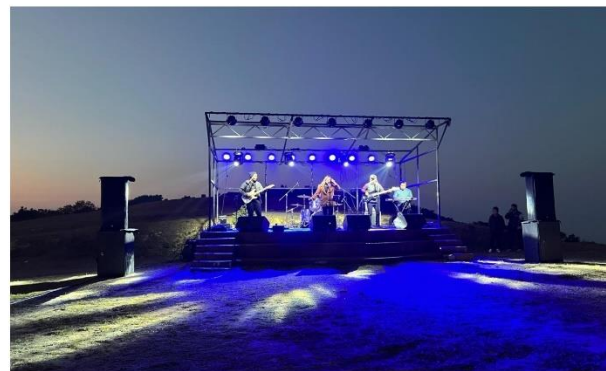
Poster and Flyer for the Extramural Lecture

The program began with the felicitation of the eminent guest, Prof. Choudhury, by the Director of NIT Mizoram and the Chairman of IEI (India) Mizoram State Centre. This was followed by brief speeches from the Director, the Chairman of IEI (Mizoram State Centre), and Prof. Choudhury. During his lecture, Prof. Choudhury explained the significance of various Sustainable Foundation Solutions for Mega Infrastructures, specifically detailing his expertise and involvement in case studies in India, such as the Atal Sethu and other major projects. He also interacted with the audience, both online and offline, addressing their queries. The event concluded with a vote of thanks from the Organizing Secretary, Dr. Sanasam Vipej Devi, Head of the Civil Engineering Department.



10.11 Indo-German Workshop on “Advances in Modelling and Computing”

For the first time, National Institute of Technology Mizoram organized an ‘Indo-German Workshop on Advances in Modelling and Computing’ during 26th – 28th February, 2024 at Hmuifang, Mizoram. Distinguished professors such as Prof. Axel Klar, Prof. Rene Pinnau, Prof. Sudarshan Tiwari, Mr. Klaas Williams and Ms. Corinna Heike Zurloh from RPTU Kaiserslautern, Germany, Prof. S Sundar, Prof. Ashok Kumar Vaikuntham and Prof. R. Balaji from NIT Mizoram and Prof. M. Panchatcharam from IIT Tirupati handled the sessions on various topics. Prof. Ajmal Koya Pulikkal and Dr. Ricky lalthazuala were the coordinator and convenor of the workshop.



CHAPTER 11 RESEARCH & DEVELOPMENT

11.1 Ph.D. Programmes

NIT Mizoram provides Ph.D. in the departments of Computer Science & Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Civil Engineering, Mechanical Engineering, and Basic Science & Humanities and Social Science [Physics, Chemistry, Mathematics, English and Economics].

11.2 Research Projects

Research Projects details of the Institute are as follows.

11.2.1 Sponsored Research Projects Completed (during the financial year): NIL

11.2.2 Sponsored Research Projects (Ongoing)

<i>Department of Electronics and Communication Engineering</i>							
Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	End	
1	Dr. Chaitali Koley	Design and Analysis of RF Section for Ka-band Vacuum Electronics Devices	IIT Guwahati Technology Innovation and Development Foundation, DST(GOI)	67,00,000/-	21/02/2022	20/02/2025	3 Years

2	Dr. Chaitali Koley, Dr. Sushanta Bordoloi & Dr. Pragati Singh	A Low Power Edge Enabled Smart and Precision Agriculture Ecosystem	MeiTY	1,09,00,000 /-	22/05/2023	21/05/2028	5 Years
3	Dr. K. Vanlalawmpuia	A Platform for Cost-Efficient Public Health Service Delivery in Mizoram	Technology Innovation Hub (TIH) IIT Bhilai	37,00,000/-	12/12/2023	12/12/2025	2 Years
4	Dr. Sushanta Bordoloi	Development of a portable neonatal intensive care unit for newborn puppies	Assam Agriculture University	10,63,000/-	18/05/2023	17/05/2026	3 Years
5	Dr. Chaitali Koley and Dr. Sushanta Bordoloi	AI-assisted end-to-end Fintech assistance solution for farming system for oil seeds (mustard, sunflower, etc.) cultivation in Mizoram	Technology Innovation Hub (TIH) IIT Bhilai	36,86,000/-	19/12/2023	18/12/2025	2 Years

Department of Computer Science and Engineering

Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	End	Years

1	Dr. Lalhruaizela & Dr. Sandeep Kumar Dash	A platform For Cost- Efficient Public Health Service Delivery in Mizoram	Technology Innovation Hub (TIH) IIT Bhilai	37,00,000/-	19/12/2023	19/12/2025	2 Years
2	Dr. Lalhruaizela & Dr. Sandeep Kumar Dash	Economic Optimization Platform for Public Transport System of Mizoram	Technology Innovation Hub (TIH) IIT Bhilai	32,50,000/-	14/11/2023	14/11/2025	2 Years

Department of Mechanical Engineering

Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	End	Years
1	Dr. H. Lalhminganga	Gasification of Agro residue and municipal solid waste for decentralized power generation	DIA-COE	77,04,000/-	July 2023	July 2026	3 Years
2	Dr. Bidesh Roy	Numerical Investigation of Fluid flow austion Performance of Scramjet Combustor with Cavity Flame Holder using Novel Twin Strut System	SERB	6,60,000/-	Feb 2024	Feb 2026	3 Years
3	Dr. Saurav Suman	Design and development of an ROV to perform	IIT Guwahati Technology Innovation and	36,00,000/-	Oct 2022	Oct 2025	3 Years

		underwater welding and repairs	Development Foundation, DST (GOI)				
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Department of Civil Engineering

Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	End	Years
1	Dr. Ricky Lalthazuala & Dr. Sanasam Vipej Devi	A Fintech Application for Cost Benefit Portfolio Suggestion Regarding Locally Available Aggregate by Quality Assessment and Modified Concrete Made of Recycled Waste and Bamboo as Partial Replacements Versus Traditional Concrete	Technology Innovation Hub (TIH) IIT Bhilai	44,00,000/-	Jan 2024	Jan 2026	2 Years

Department of Basic Science & Humanities and Social Sciences

Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	End	Years
1	Prof. Ajmal Koya Pulikkal	Efficient Synthesis of Organic Compounds: Effects of Self-Assembled Systems of Cationic Conventional and Gemini Surfactants	SERB	23,56,000/-	09/02/2023	08/02/2026	3 Years

11.3 Chapters Contributed in Edited Books (International)

<i>Department of Electrical Engineering</i>							
Name of Faculty	Title of Chapter	Name of Book	Vol.	No.	Year	Page Nos.	ISBN / DOI
Dr. Suman Majumder	Impact of EVs and its business case studies for the automobile market	Electric Vehicle Propulsion Drives and Charging Systems			2024	336	9781003481065 https://doi.org/10.1201/9781003481065
Dr. Pabitra Kumar Biswas	Bidirectional Operation of Electric Vehicle Charger incorporating Grids and Home Energy Storage: V2G/G2V/V2H/V2X for Sustainable Development	Renewable Energy for Plug-In Electric Vehicles: Challenges, Approaches, and Solutions for Grid Integration, Elsevier					In Press
	Design and analysis of bidirectional charging stations for sustainability roadmap for smart electric vehicles	Smart Electric and Hybrid Vehicles: Advancements in Materials, Design, Technology, and Modeling, WILEY					Accepted

<i>Department of Electronics and Communication Engineering</i>							
Name of Faculty	Title of Chapter	Name of Book	Vol.	No.	Year	Page Nos.	ISBN / DOI
Dr. Rudra Sankar Dhar	Comparison of Snapback Phenomenon and Physics in Bottom and Top Body Contact NMOS	Microelectronics, Circuits and Systems, Book "Lecture Notes in Electrical Engineering	976		June 2023	25-33	978-981-99-0412-9

	An Analysis of Random Non-Deterministic Signals Using Recursive Methods and Stochastic Control	Advances in Data Science and Computing Technologies, Book "Lecture Notes in Electrical Engineering	1056		September 2023	737-748	978-981-99-3656-4
	A study on the detection and different methods of classification of Arrhythmia utilizing ECG signal	Advances in 8th Microelectronics, Electromagnetics and Telecommunications, 2023, Book "Lecture Notes in Electrical Engineering			Jan 2024		
Dr. Pragati Singh	Comparison of Snapback Phenomenon and Physics in Bottom and Top Body Contact NMOS	Microelectronics, Circuits and Systems, Book "Lecture Notes in Electrical Engineering	976		June 2023	25-33	978-981-99-0412-9

Department of Civil Engineering

Name of Faculty	Title of Chapter	Name of Book	Vol.	No.	Year	Page Nos.	ISBN / DOI
Dr. Naseeba Parveen	Fundamentals of Microbiology	Advances in Solid and Hazardous Waste Management	-	-	2024	153-180	https://doi.org/10.1007/978-3-031-49144-3_10

11.4 Publication in International Journals

Department of Electrical Engineering							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Prof. Saibal Chatterjee	Exploration of Electrochemical and Thermal Attributes to Evaluate the Performance of Novel Natural Esters	IEEE Transactions on Dielectrics and Electrical Insulation	31	1	2024	322-329	10.1109/TDEI.2023.3325418
Pabitra Kumar Biswas	Bi-LSTM Predictive Control-based Efficient Energy Management System for a Fuel Cell Hybrid Electric Vehicle	Sustainable Energy, Grids and Networks	38		March 2024		10.1016/j.segan.2024.101348
	Comparative Analysis of Single Coil and Double Coil Active Magnetic Bearings for High Speed Application	Electrical Engineering	106		Jan 2024	1191-1202	https://doi.org/10.1007/s00202-023-02213-7
	GAO Optimized Sliding Mode based Reconfigurable Step size Pb &O MPPT Controller with Grid Integrated EV Charging Station	IEEE Access	12		Dec 2023	10608 - 10620	10.1109/ACCESS.2023.3344275
	Efficient Energy Management Strategy for Fuel Cell Hybrid Electric Vehicles Using Classifier Fusion Technique	IEEE Access	11		Sept 2023	97135 - 97146	10.1109/ACCESS.2023.3312618
	Modern DC-DC Power Converter Topologies and Hybrid Control Strategies for Maximum Power Output in Sustainable Nanogrids and Picogrids – A Comprehensive Survey	Technologies	11	4	Aug 2023		https://doi.org/10.3390/technologies11040102

Department of Electronics and Communication Engineering							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Dr. Rudra Sankar Dhar	Development and Analysis of a Three-Fin Trigate Q-FinFET for a 3 nm Technology Node with a Strained-Silicon Channel System	Nanomaterials	13	10	June 2023	1662-1-19	2079-4991
	Development and Analysis of Graphene-Sheet-Based GaAs Schottky Solar Cell for Enriched Efficiency	Micromachines	14	06	June 2023	1226-1-14	2072-666X
	Exploration of effects of gate underlap in HOI FinFETs at 10 nm gate length	Physica Scripta, IOP	98	06	June 2023	074003	0031-8949
	Terahertz Radiation from High Electron Mobility Avalanche Transit Time Sources Prospective for Biomedical Spectroscopy	Photonics	10	07	June 2023	800-1-24	2304-6732
	Evolution of Type-II Hetero-Strain Cylindrical-Gate-All-Around Nanowire FET for Exploration and Analysis of Enriched Performances	Nature Scientific Reports, Nature Publishing Group	13	11 41 5	July 2023	1-13	2045-2322

	Artificial Neural Network-based Modelling of Pacemaker and its Pace Tracking using Discrete Wavelet Transform-based Finite Dimension Repetitive Controller	Transactions of the Institute of Measurement and Control			September 2023	1-8	0142-3312
	Performance evaluation of split high-K material based stacked hetero-dielectrics tunnel FET	Physica Scripta Journal, IOP	98		November 2023	124002	0031-8949
	The Optimization and Analysis of a Triple-Fin Heterostructure-on-Insulator Fin Field-Effect Transistor with a Stacked High-k Configuration and 10 nm Channel Length	Nanomaterials	13		December 2023	3008-1-19	2079-4991
	Exploration and analysis of n-FinFET implementing stacked high-K at 08 nm gate length	Sadhana Journal, Springer	49	11	December 2023	1-5	0256-2499
	Corrosion Prediction of Mg Implant using Multiscale Modelling based on Machine Learning Algorithms	International Journal for Multiscale Computational Engineering	22	04	January 2024	125-141	1940-4352
	A Novel Approach to Data Clustering based on Self-Adaptive Bacteria Foraging Optimization	International Journal of Advanced Computer Science and Applications (IJACSA)	15	01	January 2024		2156-5570

	Advances in controller design of pacemakers for pacing control: A comprehensive review	Elsevier	57		January 2024	100930	1367-5788
	CNT based enhanced GaAs/InAs Multiple quantum well solar cell	Journal of Computational Electronics			February 2024		1572-8137
	Design and Exploration by Quantum Chemical Analysis of Photosensitizers having [D- π - π -A] and [D-D-triad-A] type molecular structure model for DSSC	ACS Omega, American Chemical Society	9		February 2024	11471-11477	2470-1343
	Exploration of Underlap Induced High-K Spacer with Gate Stack on Strain Channel Cylindrical Nanowire FET for Enriched Performance	Nature Scientific Reports, Nature Publishing Group	14	29 02	February 2024	1-19	2045-2322
	Evolution and Performance Analysis of Quantum Well FinFET for 3 nm Technology Node with Type-II Strained Tri-Layered Hetero-Channel System	Physica Scripta Journal, IOP	99		March 2024	045932	0031-8949
Dr. Chaitali Koley	Bandwidth Enhancement of a V-Band Klystron with Stagger-Tuned Multiple Radial Re-Entrant Cavities	Sensors	23	-	Aug 2023	1-12	https://doi.org/10.3390/s23177471

	Active Metasurface Based Wideband Polarization Converter with a Switchable Notch	Transactions on Electromagnetic Compatibility	65	-		1081-1089	10.1109/TEM C.2023.3288068
Dr. K. Vanlalawmpuia	Analysis of Negative Differential Resistance and RF/Analog performance on Drain Engineered Negative Capacitance Dual Stacked-Source Tunnel FET	IEEE Transactions on Electron Devices	70	3	March 2023	1417-1424	10.1109/TED.2023.3237507
	Comparative Analysis of Ferroelectric Quad-FinFET with and without Si ₃ N ₄ Spacer on Analog/RF, Linearity Performance and Digital Inverter Application with Temperature Variation	Ferroelectrics	613		July 2023	64-78	10.1080/00150193.2023.2215523
	Engineering negative differential resistance in negative capacitance Quad-FinFET	Materials Science and Engineering: B	297	116725	November 2023		https://doi.org/10.1016/j.mseb.2023.116725
	Performance assessment of dielectrically modulated negative capacitance germanium source vertical tunnel FET biosensor for detection of breast cancer cell lines	International Journal of Electronics and Communications	171	154902	December 2023		https://doi.org/10.1016/j.aue.2023.154902

	Insights into the impact of random dopant fluctuation on ferroelectric germanium source vertical TFET	Materials Science and Engineering: B	299	11 69 94	March 2024		https://doi.org/10.1016/j.mseb.2023.116994
Dr. Anumoy Ghosh	Metaheuristic optimization techniques used in controlling of an active magnetic bearing system for high-speed machining application	IEEE Access	11		2023	12100-12118	10.1109/ACCESS.2023.3241854
	Triple band single layer microwave absorber based on closed loop resonator structures with high stability under oblique incidence	AEU - International Journal of Electronics and Communications	164		2023	154629	https://doi.org/10.1016/j.aeue.2023.154629
	Frequency switchable global RFID tag antenna with metal compatibility for worldwide vehicle transportation	Sensors	23	8	2023	3854	https://doi.org/10.3390/s23083854
Dr. Sushanta Bordoloi	Renewable energy integration with electric vehicle technology: A review of the existing smart charging approaches,	Renewable and Sustainable Energy Reviews	183		2023	113518	https://www.sciencedirect.com/science/article/pii/S1364032123003751

Department of Computer Science and Engineering							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Dr. Vaibhav Malviya	Socialistic 3D tracking of humans from a mobile robot for a 'human following robot'behaviour	Robotica	41	5	2023	1407-1435	0263-5747 / https://doi.org/10.1017/S0263574722001795
	Navigation with a Cooperative Social Robot for a Group of Visitors using Face Detection and a 'Stop and Wait'Scheme	Journal of Scientific & Industrial Research	82		2023	1009-1021	0022-4456/ https://doi.org/10.56042/jsir.v82i10.3571
Dr. Ashish Singh Patel	Ontology-based detection and identification of complex event of illegal parking using SPARQL and description logic queries	Chaos, Solitons & Fractals	174		2023	113774	0960-0779/ https://doi.org/10.1016/j.chaos.2023.113774
Dr. Sandeep Kumar Dash	Plant Disease Identification Based on Multimodal Learning	International Journal of Intelligent Systems and Applications in Engineering	12	15s	2024	634-643	https://ijisae.org/index.php/IJISAE/article/view/4815
Dr. Ranjita Das	Topic-guided abstractive multimodal summarization with multimodal output	Neural Computing and Application			2023	1-16	https://doi.org/10.1007/s00521-023-08821-5

	SCT: Summary Caption Technique for Retrieving Relevant Images in Alignment with Multimodal Abstractive Summary.	ACM Transactions on Asian and Low-Resource Language Information Processing	23	3	2024	1-22	https://doi.org/10.1145/3645029
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Department of Mechanical Engineering						
Name of Faculty	Title of the Paper	Journal	Vol. No.	Year	Page Nos.	ISSN/doi
Dr. Bachu Deb	Investigation of osmosonication Pretreated Chili (<i>Capsicum frutescens</i> L.) drying in solar-assisted fluidized bed dryer utilizing dehumidified Air	Journal of Food Process Engineering	46	2023	1-13	https://doi.org/10.1111/jfpe.14351
Dr. Bachu Deb & Dr. Bidesh Roy	Experimental Investigation of Solidity and Blade Profile effects on H-Darrieus wind rotor: Performance and Self-Starting Analysis	Journal of Renewable and Sustainable Energy	15	2023	1-12	https://doi.org/10.1063/5.0159494
	Experimental study on Influence of Aspect ratio and Auxiliary blade profile on the performance of H-type Darrieus wind rotor	Arabian Journal for Science and Engineering	48	2023	1-17	https://doi.org/10.1007/s13369-023-08049-4
	A Numerical and Experimental Study on the Performance of a Conventional H-Darrieus	Ocean Engineering	280	2023	114697	https://doi.org/10.1016/j.oceaneng.2023.114697

	wind rotor with Auxiliary Blades					
Dr. Bidesh Roy	Performance, emission, combustion, exergy, exergoeconomic and sustainability analyses of EGR incorporated CI engine fuelled with areca nut husk nano-additive dosed plastic oil-water-diesel emulsion blend	Thermal Science and Engineering Progress	47	2024	102317	https://doi.org/10.1016/j.tsep.2023.102317
Dr. Sukanta Roy	Towards Sustainable Power Generation: Recent Advancements in Floating Photovoltaic Technologies	Renewable and Sustainable Energy Reviews	194	2024	114322 (1-14)	https://doi.org/10.1016/j.rser.2024.114322
	Design study on the parameters influencing the performance of floating solar PV	Renewable Energy	223	2024	120064 (1-11)	https://doi.org/10.1016/j.renene.2024.120064
	Numerical Analysis of H-Darrieus Vertical Axis Wind Turbines with Varying Aspect Ratios for Exhaust Energy Extractions.	Energy	277	2024	127739 (1-20)	https://doi.org/10.1016/j.energy.2023.127739
Dr. Vijay Mandal	Fabrication of ex-situ TiN reinforced IN718 composites using laser powder bed fusion (L-PBF): Experimental characterization and high-	Ceramics International	49	2023	14408-14425	https://doi.org/10.1016/j.ceramint.2023.01.030

	fidelity numerical simulations					
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Department of Civil Engineering							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Dr. Bijayananda Mohanty	Cigarettes Butt Littering: The Story of the World's most Littered Item from the Perspective of Pollution, Remedial Actions, and Policy Measures	Journal of Hazardous Materials	453	5th July 2023	2023	1-17	https://doi.org/10.1016/j.jhazmat.2023.131387
	Understanding the Role of Ca ²⁺ , Na ⁺ on Swelling Behaviour of Natural Expansive Soils: A Field Application Perspective	Environmental Earth Sciences	82	17	2023	1-15	https://doi.org/10.1007/s12665-023-11087-8
	Evaluating the Potential of Biodegradation of Swine Manure through Rotary Drum Composting utilizing Different Bulking Agents	Bioresource Technology	388	November 2023	2023	1-10	https://doi.org/10.1016/j.biortech.2023.129751
	Review on Different Shapes of Spurs and their Effects on Channel Morphology	Water Practice & Technology	19	1: 1 January 2024	2024	241-262	https://doi.org/10.2166/wpt.2023.221
	Engineered Biochar/Hydrochar	Clean Technologies and Environmental Policy	26	5	2024	1-35	

	derived from Organic Wastes for Energy, Environmental, and Agricultural Applications						https://doi.org/10.1007/s10098-024-02863-6
	Influence of Binder Materials and Alkali Activator on the Strength and Durability Properties of Geopolymer Concrete: A Review	Materials Today: Proceedings	In Press, Corrected Proof	https://doi.org/10.1016/j.matpr.2023.05.226			
	Biohydrogen from Waste Feedstocks: An Energy Opportunity for Decarbonization in Developing Countries	Environmental Research	252	1st July 2024 (Part 4)	2024	1-20	https://doi.org/10.1016/j.envres.2024.119028
Dr. Sanasam Vipej Devi	Behaviour and design of high strength steel circular hollow section member under pure torsion	Thin-Walled Structures	195	February 2024	2024	111387	https://doi.org/10.1016/j.tws.2023.111387
Dr. Kumar Raja Vanapalli	Fly ash, GGBS, and silica fume based geopolymer concrete with recycled aggregates: Properties and environmental impacts	Construction and Building Materials			2023	131168	https://doi.org/10.1016/j.conbuildmat.
	Influence of binder materials and alkali activator on the strength and durability properties of geopolymer concrete: A review	Material Today: Proc.			2023		https://doi.org/10.1016/j.matpr.2023.05.226

	Charting success for the Plastics Treaty	One Earth	6		2023	575–581	https://doi.org/10.1016/j.oneear.2023.05.022
	Cigarettes butt littering: The story of the world's most littered item from the perspective of pollution, remedial actions, and policy measures	Journal of Hazardous Materials	453		2023	131387	https://doi.org/10.1016/j.jhazmat.2023.131387
	Life cycle assessment of fermentative production of lactic acid from bread waste based on process modelling using pinch technology	Science of the Total Environment			2023	167051	https://doi.org/10.1016/j.scitotenv.2023.167051
	Durability assessment of fly ash, GGBS, and silica fume based geopolymers concrete with recycled aggregates against acid and sulfate attack	Journal of Building Engineering			2023	108354	https://doi.org/10.1016/j.job.2023.108354
	Techno-economic viability of bio-based methyl ethyl ketone from sugarcane using integrated fermentative and chemo-catalytic approach: Process integration using pinch technology	Chemical Engineering Journal			2024	151297	https://doi.org/10.1016/j.cej.2024.151297

	Engineered biochar/hydrochar derived from organic wastes for energy, environmental, and agricultural applications	Clean Technologies and Environmental Policy			2024		https://doi.org/10.1007/s10098-024-02863-6
	Biohydrogen from Waste Feedstocks: An Energy Opportunity for Decarbonization in Developing Countries	Environmental Research			2024	119028	https://doi.org/10.1016/j.envres.2024.119028
Dr. Amit Yadav	Chloride diffusion behaviour and structural performance of basalt fiber-reinforced concrete beam in marine environment	Structures, Elsevier	61		2024	106094	https://doi.org/10.1016/j.istruc.2024.106094

11.5 Seminars / Conferences organized

<i>Department of Electronics and Communication Engineering</i>							
Name of Faculty	Role	Name of Seminar / Conference	Sponsored by/ Support received from	Venue	From	To	Duration
Dr. Sushanta Bordoloi and Dr. Chaitali Koley	Organizing Chair cum Secretary	8th International Conference on Internet of Things and Connected Technologies (ICIoTCT-2023)	IAASSE	NIT Mizoram	13.10.2023	14.10.2023	2 days

<i>Department of Computer Science and Engineering</i>							
Name of Faculty	Role	Name of Seminar / Conference	Sponsored by/ Support received from	Venue	From	To	Duration
Dr. Sandeep Kumar Dash	Program Chair	ICDEC 2023	COMSYS Educational Trust, NIT Mizoram	Mizoram University	15/12/2023	16/12/2023	2 days
Dr. Lalhruaizela	Publicity Chair	ICDEC 2023	COMSYS Educational Trust, NIT Mizoram	Mizoram University	15/12/2023	16/12/2023	2 days
Dr. Lenin Laitonjam	Web Chair	ICDEC 2023	COMSYS Educational Trust, NIT Mizoram	Mizoram University	15/12/2023	16/12/2023	2 days

Department of Civil Engineering							
Name of Faculty	Role	Name of Seminar / Conference	Sponsored by/ Support received from	Venue	From	To	Duration
Dr. Amit Yadav	Coordinator	Technical Seminar on Bitumen and Road Construction for Civil Engineering Students	Indian Oil Corporation Ltd.	Dept. of CE, NIT Mizoram	25/01/2024	25/01/2024	01 Day

11.6 Publication in National/International Conference

Department of Mechanical Engineering					
Name of Faculty	Title of Paper	Conference	Year	Proceedings/ publication	Place
Dr. Sukanta Roy	Floating Solar PV Study on the Effect of Water Velocity and Temperature	International Conference on Green Energy, Computing and Sustainable Technology (GECOST), January 17-19, 2024	2024	IEEE Xplore. doi:10.1109/GECOST60902.2024.10475107	Malaysia
Dr. Vijay Mandal	Insights into the secondary laser processing of LPBF IN718 alloys	European Society for Precision Engineering and Nanotechnology, Conference Proceedings - 23rd International Conference and Exhibition, EUSPEN 2023, Denmark	2023	https://www.euspen.eu/knowledge-base/ICE23216.pdf	Denmark

Dr. Saurav Suman	AI and Robotics: Humanity's New Frontier	8th International Conference on Internet of Things and Connected Technologies (ICIOTCT 2023)	2023	Artificial Intelligence in Internet of Things (IoT): Key Digital Trends	India
	Multi-textured cutting tools to enhance the machinability of Inconel-718	International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT 2024)	2024	Advances in Manufacturing Engineering: Select Proceedings of ICFAMMT 2024	India

<i>Department of Basic Science & Humanities and Social Sciences</i>						
Name of Faculty	Title of the Paper	Journal	Vol. No.	Year	Page Nos.	ISSN/doi
Prof. Alok Shukla	Synthesis and characterization of lead free multidoped ferroelectric material: $(\text{Bi}_{0.85}\text{Nd}_{0.15})(\text{Fe}_{0.5}\text{Ti}_{0.5})\text{O}_3$	Ferroelectrics	616	2023	171-186	ISSN 1563-5112
	Studies on structural, dielectric and ferroelectric features of lanthanum modified complex Bismuth Nickel Titanate ceramic	Ferroelectrics	617	2023	1-10	ISSN 1563-5112
	Structural, Electrical and Magnetic Characteristics of Eco-friendly Dy Modified BiFeO_3 Ceramics	Ferroelectrics	617	2023	25-42	ISSN 1563-5112
	Nd substitution response on structural, dielectric, and electrical features of bismuth iron titanate	Ceramics International	50	2024	1643-1654	ISSN 0272-8842

Prof. Ajmal Koya Pulikkal	Comprehensive investigation of Areca catechu tree peduncle biofiber reinforced biocomposites: influence of fiber loading and surface modification	Biomass Conversion and Biorefinery	xx	2023	xxx-xxxx	10.1007/s13399-023-04182-0
	Conductometric, tensiometric and spectroscopic studies on the interaction of congo red with dodecyltrimethylammonium bromide: Effects of electrolyte and non-electrolyte	Journal of Molecular Liquids	390	2023	123094-123103	10.1016/j.molliq.2023.123094
	Effect of Quaternary Ammonium Gemini Surfactant Solution on the Rate Constant of the Ninhydrin–Lysine Reaction	Industrial & Engineering Chemistry Research	62	2023	15897-15906	10.1021/acs.iecr.3c02499
	Exploring the interactions of anionic dye tartrazine with cationic surfactants in aqueous solution: Insights into micellization and interfacial properties	Inorganic Chemistry Communications	159	2024	111740-111751	10.1016/j.inoche.2023.111740
	Biocompatible polymeric nanoparticles as carriers for critical anticancer phytochemicals	European Polymer Journal	202	2024	112637-112650	10.1016/j.eurpolymj.2023.112637
	Mercerized Cymbopogon nardus shoot fiber as reinforcing filler	Materials Chemistry and Physics	313	2024	128739-128749	10.1016/j.matchemphys.2023.128739

	Molecular interactions of cationic/anionic surfactants in presence of anionic antibiotic drug cloxacillin sodium at different temperatures: Micellization and thermodynamics studies	Journal of Molecular Liquids	395	2024	123807-123817	10.1016/j.molliq.2023.123807
	Propane-1,3-bis (hexadecyldimethylammonium bromide)-bentonite-based novel hybrid material for the elimination of textile dyes	Journal of Molecular Liquids	395	2024	123890-123902	10.1016/j.molliq.2023.123890
	Nano emulsions stabilized by natural emulsifiers: A comprehensive review on feasibility, stability and bio-applicability	Journal of Drug Delivery Science and Technology	92	2024	105303-105319	10.1016/j.jddst.2023.105303
	Impacts of pyridinium gemini surfactants on corrosion inhibition of carbon steel	Surfaces and Interfaces	45	2024	103796-103807	10.1016/j.surfin.2023.103796
	Effects of seasonal variation on water quality of Kadalundi river, India: Evaluation of water quality indices, physicochemical and biological parameters	International Journal of River Basin Management	xx	2024	xxx-xxxxx	10.1080/15715124.2024.2326124

Prof. Konthoujam Gyanendra Singh	A Study on the Growth and Determinants of Agricultural Production in Mizoram	RGSA - Revista de Gestão Social e Ambiental	17 (9)	2023	1-9	1981-982X
	Informing ecosystem values of Loktak Lake in Manipur, India: an application of discrete choice experiments	Marine and Freshwater Research	74 (8)	2023	697 – 711	1323-1650
	Economic valuation of wetland products and services: A case study of Sone Beel, India	Indian Journal of Natural Products and Resources	15(1)	2024	156-177	0976-0504
Dr. Vinay Singh	Optimality conditions in multiobjective programming models with semi-infinite constraints using generalized (h, φ) -G-type I functions	Results in Control and Optimization	14	2024	100395	2666-7207
	Optimality conditions for (h, φ) -subdifferentiable multiobjective programming problems with G-type I functions.	Statistics, Optimization and Information Computing (SOIC)		2024		2310-5070
	A Dual Hesitant Fuzzy Set Theoretic Approach in Fuzzy Reliability Analysis of a Fuzzy System	Information Sciences Letters (ISL)	13(2)	2024		2090-956X
	Optimality conditions and duality for mathematical programming with equilibrium constraints including multiple interval-valued	Japan Journal of Industrial and Applied Mathematics	41	2024	1105-1136	09167005,

	objective functions on Hadamard manifolds					
	Temporally dependent solute transport in one-dimensional porous medium: Analytical and fuzzy form solutions	Mathematics in Science, Engineering, and Aerospace (MESA)	14 (3)	2023	711-719	2041-3165
Dr. Nikhil Srivastava	A high order accurate numerical method for time-fractional reaction-subdiffusion equation of variable order	Chinese Journal of Physics	85	2023	431-444	10.1016/j.cjph.2023.07.002
Dr. Shuchi	Book review: Dwarka Bharti, A Rebellious Cobbler	Contemporary Voice of Dalit	Vol. 15, Issue 1	2023	1-3	https://doi.org/10.1177/2455328X231198743
	Book review: Manglu Charan Biswal, The Starved	Contemporary Voice of Dalit	Volume 15, Issue 2	2023	1-3	https://doi.org/10.1177/2455328X231205401
	Women Towards Modernization in Baby's Night of Happiness	Boletin de Literatura Oral	Vol. 10	2023	1600-1605	https://www.boletindeliteraturaoral.com/index.php/bdlo/article/view/368
	Book review: Yogesh Maitreya, Water in a Broken Pot: A Memoir	Contemporary Voice of Dalit	Vol. 16, Issue 1	2023	1-3	https://doi.org/10.1177/2455328X231186472
	Consent and Appropriation of Women	Onomazein	Vol. 63	2024	178-195	http://www.onomazein.com/index.php/onom/article/view/582

11.7 Workshops / STTP / FDP organized

<i>Department of Electrical Engineering</i>							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Dr. Pabitra Kumar Biswas	Convener	Application of Modern Power and Control Technology in Electrical Engineering		NIT Mizoram	21-08-2023	25-08-2023	5 days
	Coordinator	Advanced Current-fed Power Conversion Technologies for Residential Nanogrid and Transportation Electrification	GIAN	NIT Mizoram	13-11-2023	17-11-2023	5 days
	Coordinator	Application of Modern Power and Control Technology in Electrical Engineering	Workshop	NIT Mizoram	21-08-2023	25-08-2023	5 days
Dr. Suman Majumder	Coordinator	Advanced in Power Electronics Converter for Electric Vehicles	Short Term Course	NIT Mizoram	05-02-2024	09-02-2024	5 days
Dr. Ramesh Kumar	Convener	Jal Shakti Abhiyan: Catch the Rain 2023	Workshop	NIT Mizoram	08-11-2023	08-11-2023	1 day

<i>Department of Electronics and Communication Engineering</i>							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Dr. Chaitali Koley	Coordinator	Sensors for Healthcare Applications	SERB sponsored KARYASHALA	NIT Mizoram	12/02/2024	18/02/2024	7 days

<i>Department of Computer Science and Engineering</i>							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Dr. Vaibhav Malviya	Coordinator	STTP [Robot Motion Planning (RMP 2024)]	NIT Mizoram	NIT Mizoram	25/3/2024	30/5/2024	1 Week
Dr. Lalhruaizela	Convenor	National Workshop On Next Generation (5G/6G) Communication Networks: Overview, Technology, Applications And Recent Trends (NWNGCN-2023)	NIT Mizoram	NIT Mizoram	9/10/2023	13/10/2023	1 Week
Dr. Ashish Singh Patel	Coordinator						
Dr. Sandeep Kumar Dash	Coordinator	International Workshop on	NIT Mizoram	NIT Mizoram	16/10/2023	20/10/2023	1 week

		Computer Simulation Methods					
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Department of Mechanical Engineering							
Name of Faculty	Role	Title of FDP/STTP/ Workshop	Sponsored by/ Support Received from	Venue	From	To	Duration
Dr. Bachu Deb & Dr. Bidesh Roy	Coordinator	Multiple Attribution Decision-making using Analytic Hierarchy Process	Institute fund	NIT Mizoram	26/2/2024	1/3/2024	One week
Dr. Vijay Mandal & Dr. Sukanta Roy	Coordinator	5 Days online international workshop on "3D Printing & Additive Manufacturing Insights	Institute fund	NIT Mizoram	12/3/2024	16/3/2024	5 Days
Dr. Saurav Suman, Dr. Vijay Mandal & Dr. Sukanta Roy	Coordinator	5-Days Workshop on IPR Awareness and Skill Development with Reference to Patent and Start Up' shall be organized at NIT Mizoram, in collaboration with MISTIC (PIC), in hybrid mode	-	NIT Mizoram	16/3/2024	20/3/2024	5 Days

Department of Civil Engineering							
Name of Faculty	Role	Title of FDP / STTP/ Workshop	Sponsored by/ Support Received from	Venue	From	To	Duration
Dr. Sanasam Vipej Devi	Convener	Sustainable Smart City: Integrating Solutions For Hilly Terrain Challenges	NIT Mizoram and Aizawl Smart City Ltd.	NIT Mizoram	29/01/2024	02/02/2024	5 Days
Dr. Amit Yadav & Dr. Kumar Raja Vanapalli	Coordinator	Sustainable Smart City: Integrating Solutions For Hilly Terrain Challenges	NIT Mizoram and Aizawl Smart City Ltd.	NIT Mizoram	29/01/2024	02/02/2024	5 Days
Dr. Ricky Lalthazuala	Convener	Indo-German Workshop on "Advances in Modelling & Computing	NIT Mizoram	Hmuifang	23/02/2024	29/02/2024	5 days

Department of Basic Science & Humanities and Social Sciences							
Name of Faculty	Role	Title of FDP/STTP/ Workshop	Sponsored by/ Support Received from	Venue	From	To	Duration
Prof. Alok Shukla	Convener	International Workshop on Computer Simulation	NIT Mizoram	NIT Mizoram	16/10/2023	20/10/2023	5 Days

		Methods” (IWCSM-2023)					
Prof. Ajmal Koya Pulikkal & Dr. Shuchi	Convener	Workshop on IPR Awareness and Skill Development with Reference to Patent and Start Up	MISTIC	NIT Mizoram	1/03/2024	20/03/2024	5 days
Prof. Ajmal Koya Pulikkal	Coordinator	Indo-German Workshop on "Advances in Modelling & Computing"	NIT Mizoram	Hmuifang	26/02/2024	28/02/2024	3 Days

11.8 Contribution as Book Chapter

<i>Department of Mechanical Engineering</i>			
Name of Faculty	Title of Chapter	Name of Book	ISBN / DOI
Dr. Sukanta Roy	Computational Analysis of Darrieus Vertical Axis Wind Turbines for Exhaust Air Energy Extraction. Modeling, Simulation and Optimization	Book Series "Smart Innovation, Systems and Technologies," Springer Nature Singapore	ISBN: 978-981-99-6866-4
Dr. Saurav Suman	Multi-textured cutting tools to enhance the machinability of Inconel- 718	Book Title Advances in Manufacturing Engineering	ISBN978-981-97-4323-0 https://link.springer.com/book/9789819743230
Dr. Vijay Mandal	Excimer Laser Micromachining and Their Potential Applications	In Laser Applications in Manufacturing, pp. 1-29. CRC Press.	ISBN 978-100-3279-50-1

11.9 Seminars / Conferences attended or participated

Department of Electrical Engineering							
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Prof. Saibal Chatterjee	Insight the Effect of Standard and Non-Standard Lightning Impulse Voltage on Dry-type Nomex Insulation with Temperature Variation	2023 IEEE 3rd Applied Signal Processing Conference, ASPCON 2023	IEEE, NIT Silchar	2023		NIT Silchar	10.1109/ASPCON59071.2023.10396630
	A Denoising Method of Partial Discharge Signals Employing Wavelet Kernel-Aided Deep Learning Framework	2023 IEEE 3rd Applied Signal Processing Conference, ASPCON 2023	IEEE, NIT Silchar	2023		NIT Silchar	10.1109/ASPCON59071.2023.10396544
	Experimental Investigation on the Effects of Temperature on Nomex Insulation by Time Domain Spectroscopy	2023 IEEE 3rd Applied Signal Processing Conference, ASPCON 2023	IEEE, NIT Silchar	2023		NIT Silchar	10.1109/ASPCON59071.2023.10396001
	Effects of Standard and Non-standard Lightning Impulse on Dry-type Nomex Insulation Samples	2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA)	IEEE	2023			10.1109/ICIDeA59866.2023.10295237

	Electromagnetic and Thermal Modelling of a Dry-Type Transformer using FEMM and ANSYS Maxwell	2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA)	IEEE, NIT Manipur	2023			10.1109/ICDC ECE53908.2022.9793078
Dr. Pabitra Kumar Biswas	Introduction to New Hybrid Approach in Sustainable PV MPPT Architecture	2023 IEEE 20th India Council International Conference (INDICON)	IEEE	14 December 2023	17 Decemb er 2023	Hyderabad, India	10.1109/INDI CON59947.2023.10440825
	Comparative Performance Analysis of Energy Management Techniques for Fuel Cell Hybrid Electric Vehicles	1st International Conference on Intelligent Computation and Analytics on Sustainable Energy and Environment		21 Sept. 2023	23 Sept. 2023	Malda, WB, India	
	State Space Formation and Fuzzy Logic Control Based Performance Analysis of DC Motor Drives	IEEE Conference on Circuit, Power and Intelligent Systems, 2023 (CCPIS 2023) (ICICCSP-2022)	IEEE	1 Sept. 2023	3 Sept 2023	Bhubaneswar, Odisha	10.1109/CCPI S59145.2023.10291947

	Single-phase standalone Inverter using closed-loop PI control for Electromagnetic suspension	International Conference on Inventive Computation Technologies (ICICT)	IEEE	26 April 2023	28 April 2023	Tribhuvan University, Nepal	10.1109/ICICT 57646.2023.10134168
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Department of Electronics and Communication Engineering

Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Dr. Rudra Sankar Dhar	Development of Rectangular Nanosheet GAA-FET with Underlap	IEEE International Conference on Nanoelectronics-2023	IEEE	27/04/2023	28/04/2023	Kottayam, Kerala, India	Proc.IEEE
	Performance Analysis of Strain channel High-K Gate Stack Gate Underlap Cylindrical GAA FET	IEEE International Conference on Circuits, Power, and Intelligent Systems CCPIS-2023	IEEE	1/09/2023	03/09/2023	Bhubaneswar, India	Proc. IEEE
	Design and Simulation of High-K Gate Stack Gate Underlap Cylindrical GAA FET	IEEE 3rd International Conference on Applied Electromagnetics, Signal	IEEE	24/11/2023	25/11/2023	Bhubaneswar	Proc. IEEE

		Processing & Communication AESPC-2023					
	Electrical Characteristic analysis of Gate Underlap Strain Channel Cylindrical GAA FET	IEEE 7th International Conference on Electronics, Materials Engineering & Nano-technology IEMENTech-2023	IEEE	10/12/2023	20/12/2023	Kolkata	Proc. IEE
Dr. Chaitali Koley	Design of Compact Wideband Microstrip Patch Antenna for IoT Applications in WLAN, Wi-Max, C-Band"	8th International Conference on Internet of Things and Connected Technologies (ICIoTCT)	IAASSE	13/10/2023	14/10/2023	NIT Mizoram	
	Design of H-shaped slotted Microstrip Patch Antenna at 28 GHz for 5G Communication						
	Design, Simulation and Optimization of Extended Interaction Cavities for a C Band Multi-beam High-Efficiency Klystron						

	Broadband Sub-50 GHz Microstrip Patch Antenna for 5G wireless Application	8th International Conference on computers and devices for communication (CODEC 2023)	IEEE	14/12/2023	16/12/2023	Institute of Radio Physics and Electronics, India	-
Dr. Sushanta Bordoloi	Design and Analysis of Dual AlN/SiN passivation layer for mitigation of Self-Heating in HEMTs	8th International Conference on Internet of Things and Connected Technologies (ICIOTCT)	IAASSE	13/10/2023	14/10/2023	NIT Mizoram	
	Investigation of an Architecture for Convolutional Neural Network with Efficient Resource Utilization						

Department of Computer Science and Engineering

Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Dr. Ashish Singh Patel	Standardization Aspects of Caching and Coded Delivery in	COMSNETS 2024	IEEE Communication Society	January 3, 2024	January 7, 2024	Bengaluru	doi: 10.1109/COMSNETS59351.2024.10427513.

	MEC Integrated 5G System						
Dr. Ashis Singh Patel	3GPP-based Testbed for Edge Computing; Architecture, Implementation and Application Deployment	ANTS 2023	MNIT Jaipur	December 17, 2023	December 20, 2023	Jaipur	doi: 10.1109/ANTS59832.2023.10468700.
Dr. Lalhruaizela	Standardization Aspects of Caching and Coded Delivery in MEC Integrated 5G System	COMSNETS 2024	IEEE Communication Society	January 3, 2024	January 7, 2024	Bengaluru	doi: 10.1109/COMSNETS59351.2024.10427513.
Dr. Lenin Laitonjam and Dr. Sandeep Kumar Dash	Findings of the wmt 2023 shared task on low-resource indic language translation	WMT 23: Shared Task: Low-Resource Indic Language Translation	Association for Computational Linguistics	December 6, 2023	December 7, 2023	Singapore (Online)	
Dr. Ranjita Das	Abstractive Text Summarization Using Multimodal Information	10th International Conference on Soft Computing & Machine	India International Congress on Computational Intelligence (IICCI)	November 25, 2023	November 26, 2023	Mexico City, Mexico	

		Intelligence (ISCM)					
Department of Civil Engineering							
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Dr. Sanasam Vipej Devi	Effect of cross-section geometry on torsional behaviour of stainless steel polygonal hollow tubes	2nd International Conference on Civil, Structural and Environmental Engineering	GMCSE E	19.10.2023	21.10.2023	Barcelona, Spain	-
Kumar Raja Vanapalli	A Comparative Analysis of Environmental and Economic Factors in Biochar and Single-Use Plastic-Biochar Composite Production via Pilot-Scale Pyrolysis Plant	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2023)	NIT Warangal	24.11.2023	25.11.2023	NIT Warangal	-
Dr. Ricky Lalthazuala	Effect of concrete-filled steel tube bracing for retrofitting reinforced concrete building resting on hill slope	The 12th International Symposium on Steel Structures	ISSS-2023	08/11/23	11/11/23	Jeju, Korea	-

	Effect of concrete-filled steel tube columns on the structural performances of building on hill slopes	The 12th International Symposium on Steel Structures	ISSS-2023	08/11/23	11/11/23	Jeju, Korea	-
	Effect of stiffeners on shear capacity of hybrid stainless steel plate girders	The 12th International Symposium on Steel Structures	ISSS-2023	08/11/23	11/11/23	Jeju, Korea	-

11.10 Workshops / STTP / FDP attended or participated: NIL

11.11 Consultancy Projects:

Sl. No.	Name of the Faculty	Name of the work and the year	Agency	Consultancy amount
1	Dr. Bijayananda Mohanty	Determination of K-value of the Extended Apron of Lengpui Airport by conducting Plate Load Test at Two Different Locations (2024)	Public Works Department (PWD), National Highway Division – I, Govt. of Mizoram	2,30,100
2	Dr. Bijayananda Mohanty & Dr. Ricky Lalthazuala	Vetting Detailed Drawings and Specification of Retailing Wall at Army Area at Thuampai (Aizawl) (2023)	The Garrison Engineer Silchar, Military Engineer Services	4,13,000
3	Dr. Ricky Lalthazuala	Structural assessment and design of pedestrian bridge at Zodin	Aizawl Municipal Corporation	2,36,000
		Structural assessment and design of pedestrian bridge at Bazar Bungkawn	Aizawl Municipal Corporation	2,36,000
		Design of retaining wall of sinking portion at km 94.900 of NH-6 in Kolasib	NHIDCL	2,95,000

		Proof Checking - Construction of composite superstructure bridge accross River Langkaih in Mizoram Structures	Mizoram PWD	2,36,000
		Design of T-Beam Bridge at Bulung River	Mizoram PWD	6,42,000
		Design of Superstructure Bridge across River Chhimluangte, Kolasib District	Mizoram PWD	5,13,000
4	Dr. Ricky Lalthazuala & Dr. Sanasam Vipej Devi	Vetting of DPR for Improvement and Upgradation of Daido to Vangkawt Road	Mizoram PWD	3,07,000

11.12 Any other achievements of the Department:

Sl. No.	Name of Faculty	Achievement
1	Dr. Rudra Sankar Dhar	Expert Committee Member of Nanotechnology in Agriculture of National Agricultural Science Fund (NASF) under ICAR
2	Dr. Chaitali Koley	Fellow IETE (THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS),
		Expert member of Technical Evaluation Committee (ETEC) for 6G Proposals
3	Dr. Sushanta Bordoloi	Elected as Senior Member, IEEE
4	Dr. Sushanta Bordoloi & Dr. Saurav Suman	deputed to represent NIT Mizoram at the "IIC Regional Meet 2023" scheduled to be held at 'The Assam Royal Global University, Guwahati,' Assam on 09.01.2024 organized by the Ministry of Education's Innovation Cell and AICTE.
5	Dr. Sandeep Kumar Dash	Delivered an online talk on "Image Caption Generation: An Application of AI" at Sharad Institute of Technology College of Engineering, Ichalkaranji, Kolhapur, Maharashtra
6	Dr. Lalhruaizela	Patent granted titled "A Multi-Source Transport Control Protocol System for Distributed Content Delivery (German Patent, No. 202024100059)"

7	Dr. Sukanta Roy	<p>Invited Lectures: <i>Guest of Honour and Keynote Lecture</i> on "Sustainable Energy through Floating Solar PV and Key Challenges" at International Conference on "Trends in Material Science and Manufacturing Engineering (ICTMSME 2024)," Organized by Innovative Scientific Research Association, April 06-07, 2024, India. <i>Chief Guest and Keynote Lecture</i> on "Recent Advances in Small-scale Wind Turbines" at International Conference on "Advances in Mechanical Engineering -2023 (ICAME 2023)," Organized by Department of Mechanical Engineering, G H Raisonni College of Engineering, Nagpur, December 22-23, 2023, India. <i>Invited Lecture</i> on "Basics and Application of Wind Energy Focusing on Small-scale Wind Turbines" at Online Faculty Development Program on "Recent Research Trends In Smart Technology," Organized by Amity School of Engineering & Technology and Amity University, Kolkata, July 31 - August 04, 2023, India. <i>Invited Lecture</i> on "Recent Advances in Small Scale Wind Turbine" at One Week Short Term Training Program on "Sustainable Energy Technology for Hydrogen, Solar, Wind, and Biomass Energy, " organized by GH Raisonni College of Engineering, Nagpur, July 04-08, 2023, India. <i>Invited Lecture</i> on "Wind Energy Sustainability," organized by Curtin University Dubai, April 17, 2023, Dubai.</p>
8	Dr. H. Lalhmingsanga	<p>Invited lectures "Waste to energy conversion technologies" at One week National workshop on Importance of Disaster Risk Reduction and Resilience organized by Civil Engineering Dept., Mizoram University, April 10-14, 2023, India.</p>
9	Dr. Saurav Suman	<p>represented NIT Mizoram and participate in the " Industry-Academia Conclave 2023" scheduled during 23.11.2023-25.11.2023 at NIT Jamshedpur. deputed to participate in the 'Government Development Schemes Expo - 2024' and concurrent event 'Organic Agricultural & Dairying Industry Expo -2024' to be organised during 7th - 9th February 2024 at Delhi Haat, Janakpuri, New Delhi</p>
10	Dr. Vijay Mandal	Poster presentation:

		<p>Poster presentation on “Evaluating the Effect of Optimized Scan Speed on Microstructural and Mechanical Properties of Laser Processed Stellite 6/TiC MMCs” at EUROMAT2023 from 03 - 07 September 2023 Frankfurt am Main (Germany) GERMANY, EUROPE, Poster no. Poster No: C01-1881.</p> <p>Invited Lectures:</p> <p>Keynote speaker on “Numerical and Experimental Study on Laser Powder Bed Fusion (L-PBF) Additive Manufacturing Process” at One Week Hybrid Faculty Development Program on “Unlocking Innovation: Exploring Research, Innovation and Patents” conducted by SVERI's College of Engineering, Pandharpur from 17th to 22nd July 2023.</p>
11	Prof. Alok Shukla	<p><i>Invited Talk: · “Synthesis, Characterization and Applications of Multiferroics”</i></p> <p><i>International Conference on Recent Advances in Mathematical, Physical and Chemical Sciences (ICRAMPC-2024), Mizoram University, Aizawl, Feb. 21-23, 2024.</i></p>
12	Prof. Ajmal Koya Pulikkal	<p><i>Invited Talk: · “Impacts of pyridinium gemini surfactants on corrosion inhibition of carbon steel”</i></p> <p><i>International Conference on Recent Advances in Mathematical, Physical and Chemical Sciences (ICRAMPC-2024), Mizoram University, Aizawl, Feb. 21-23, 2024.</i></p> <p>Best Teacher Award -2023 (BS&HSS Stream)</p>
13	Dr. Shuchi	<p>Expert talk on ‘Non-verbal communication’ at a workshop on Aspects of Effective Communication at Govt. Johnson Degree College, Aizawl Mizoram (April, 2023)</p>

राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(An Institution of National Importance under Ministry of Education, Govt. of India)



**ANNUAL AUDITED ACCOUNTS
FOR THE YEAR
2023 - 2024**

**वर्ष 2023 – 2024 के लिए
खातों का वार्षिक लेखा परीक्षित विवरण**

चलत्लांग, आइज़ोल, मिज़ोरम / CHALTLANG, AIZAWL, MIZORAM – 796012

Tele Fax: 0389-2391236/ 0389-2391774/ 0389-2391699

Website: www.nitmz.ac.in

Email: registraroffice@nitmz.ac.in

प्रधान महालखाकार का
कार्यालय,
आइजोल, मिजोरम - 796001



OFFICE OF THE PRINCIPAL
ACCOUNTANT GENERAL,
AIZAWL, MIZORAM - 796001

रा.प्रौ.सं. मिजोरम/NIT Mizoram
Receipt No. 4064
Date: 23/12/2024

No.PAG(MZ)/CAW/NIT/SAR/2023-24/

Date: 20.12.2024

To

The Director,
National Institute of Technology,
Mizoram,
Chaltlang – 796012.

Subject: - *Separate Audit Report on the Accounts of National Institute of Technology, Mizoram for the year 2023-24.*

Sir,

With reference to your latter No. NIT-M/G-7-11/2023-24/2291 dated 11 November 2024 I am to forward herewith one copy of the Separate Audit Report on the Accounts of National Institute of Technology, Mizoram for the year 2023-24.

Kindly acknowledge receipt of the same.

Yours faithfully,

Deputy Accountant General (Audit)

Encl: As stated above

Accountant
23/12/24

नया कैपिटल परिसर, खटला, आइजोल – ७९६ ००१ / New Capital Complex, Khatla,
Aizawl – 796 001

**SEPARATE AUDIT REPORT OF THE COMPTROLLER AND AUDITOR
GENERAL OF INDIA ON THE ACCOUNTS OF NATIONAL INSTITUTE OF
TECHNOLOGY, MIZORAM FOR THE YEAR ENDED 31 MARCH 2024**

1. We have audited the attached Balance Sheet of National Institute of Technology (NIT), Mizoram, Aizawl as of 31 March 2024, the Income and Expenditure Account and Receipt and Payment Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 22 (2) of NIT Act, 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
 - i. We have obtained all the information and explanations, which to the best of our knowledge and beliefs were necessary for the purpose of our audit;
 - ii. The Balance Sheet, Income and Expenditure Account and Receipt and Payment Account dealt with by this report have been drawn up in the format prescribed by the Ministry of Education (erstwhile Ministry of Human Resource Development), Government of India;
 - iii. In our opinion, proper books of accounts and other relevant records have been maintained by the National Institute of Technology, Mizoram, Aizawl as required under the Rules in so far as it appears from our examination of such books.
 - iv. We further report that:

A. BALANCE SHEET

A.1 Sources of Funds

Designated/Earmarked/Endowment Fund (Schedule-2): NIL

As per the minutes of the 29th Meeting of the Board of Governors, NIT Mizoram held on 25/05/2022, the Board approved guidelines for operation and utilisation of four funds (created on 17/12/2019) of NIT Mizoram and distribution of the funds is as tabulated below.

Sl. No	Source of Fund	Corpus Fund	Staff Development Fund	Equipment Replacement Fund	Maintenance Fund	Total
1	Academic Income-Fee	50%	10%	30%	10%	100%
2	Other Misc. Income	25%	25%	30%	20%	100%
3	Interest earned from fees saving account	50%	10%	10%	30%	100%
4	Fixed Deposit at Vijaya Bank	25%	25%	30%	20%	100%

The above funds are to be set aside by the Institute from their internal revenue generation for specific purposes and be termed as Designated/Earmarked funds under Schedule-2 of the Annual Accounts.

However, during 2023-24, the Institute did not transfer the funds to Designated/Earmarked funds such as Staff Development Fund, Equipment Replacement Fund and Maintenance Fund as tabulated below:

(Amount in ₹)

Sl. No	Source of fund	Amount	Staff Development Fund	Equipment Replacement Fund	Maintenance Fund	Total
1	Academic Income-Fee	1,65,44,110 (Schedule-9)	16,54,411 (10%)	49,63,233 (30%)	16,54,411 (10%)	82,72,055
2	Other Misc Income	12,78,646 (Schedule-13)	3,19,661 (25%)	3,83,593 (30%)	2,55,729.20 20%	9,58,984.50
3	Interest earned from fees saving account	68,54,802 (Schedule-12)	6,85,480 (10%)	6,85,480 (10%)	20,56,440 (30%)	34,27,401
4	Fixed Deposit at Vijaya Bank	Withdrawn during 2022-23				
Total			26,59,552	60,32,306	39,66,580.20	1,26,58,438

This resulted in overstatement of Corpus Fund by ₹ 1.27 crore and understatement Designated/Earmarked Fund(Schedule-2) (Staff Development Fund by ₹ 0.27 crore, Equipment Replacement Fund by ₹ 0.60 crore and Maintenance Fund by ₹ 0.40 crore) and understated of 'Deficit for the year' by ₹ 1.27 crore.

A.2 Sources of Funds

Current Liabilities & Provision (Schedule-3)

6. Other Current Liabilities

(b) Receipts against sponsored projects: ₹ 168.05 lakh

The above includes bank balance amount of ₹ 33.07 lakh of Research Project (RP) -23. However, it was noticed in the Cash Book of Research Project (RP) -23, after incurring expenditure of ₹ 0.89 lakh (4.03.24), ₹ 0.67 lakh (7.03.2024) and ₹ 0.33 lakh (26.03.2024), the bank balance shows an amount of ₹ 31.18 lakh.

This resulted in overstatement of Receipts against Sponsored Project (RP-23) by ₹ 1.89 lakh (₹ 33.07 lakh - ₹ 31.18 lakh) due to non-adjustment of expenditure incurred during the year as well as Cash and Bank Balances (Current Assets) by the same amount.

A.3 Application of Funds

Fixed Assets (Schedule-4)

Capital Work in Progress: ₹ 167.45 crore

An agreement was signed (May 2014) between National Institute of Technology (Owner), Mizoram and M/s IRCON International Limited (Project Management Agency), for execution of the work (Phase-I). The work was completed on March 2018 with a total expenditure of ₹ 167.45 crore.

Further, it was observed that out of the total expenditure of ₹ 167.45 crore on the project, there was an excess procurement of materials worth ₹ 1.70 crore meant for illumination of internal roads. As per joint site Inspection Report of NIT, Mizoram and M/s IRCON Intl. Ltd. (September 2020), excess materials worth ₹ 1.69 crore were in good condition and it was proposed that the material be utilised in the next phase of construction. The proposal was accepted by the Board of Governors of NIT (October 2022), Mizoram and the value of materials would be incorporated in the Revised Cost Estimates.

As the work was completed (March 2018), expenditure incurred relating to the work should have been capitalized and the value of excess materials should be booked as stock (Electrical Materials) under current assets. The Institute, however, accounted the total expenditure under Capital Work in Progress as of 31.03.2024.

This resulted in overstatement of Capital Work in Progress by ₹ 167.45 lakh and understatement of Fixed Assets (Building) by ₹ 145.87 crore (Net of depreciation and excess materials), Current Assets (Stock: Building Materials) by ₹ 1.69 crore (Net loss of inventory).

This also resulted in understatement of excess of Expenditure over Income by ₹ 19.90 crore (depreciation: ₹ 19.89 crore¹ plus loss of materials: ₹ 0.01 crore).

A.4 Application of Funds

Fixed Assets

Tangible Assets (Institute) (Schedule 4): ₹ 3,027.73 lakh

The Institute passed payment for purchase of UPS amounting to ₹ 58.78 lakh and accounted it under Fixed Assets as 'Laboratory Equipment' and as 'Electrical Equipment' respectively.

However, before making actual payment, the Institute cancelled the two purchase orders due to technical reasons/non-delivery of the Fixed Assets but did not cancel the payment vouchers and the items which were entered in the Fixed Assets Registers.

This resulted in overstatement of Fixed Assets by ₹ 58.54 lakh and depreciation by ₹ 0.24 lakh², overstatement of Deficit for the year by ₹ 0.24 lakh and Expenses payable by ₹ 58.78 lakh. Besides, the amount was transferred from Reserve Bank of India Account to SBI Bank Account and was accounted as grants received during the year. The Capital/Corpus Fund is overstated by the grants amount being capitalized, i.e., ₹ 58.78 lakh and understatement of 'Unutilised Grant' by the same amount.

A5. Application of Funds

Fixed Assets (Institute) (Schedule 4)

9. Scientific and Laboratory Equipment: ₹ 3,856.57 lakh

The Institute purchased chemicals vide Voucher No. 1345 dt.07.03.2024 for an amount of ₹ 8.50 lakh and accounted it under 'Scientific and Laboratory Equipment' in the Fixed Assets. This should have been accounted in 'Laboratory Consumables (Expenses)' under Academic Expenses (Schedule 16) in the Income and Expenditure Account. Depreciation for the year amounting to ₹ 0.04 lakh was provided during the year.

This resulted in overstatement of Fixed Assets (Scientific and Laboratory Equipment) by ₹ 8.45 lakh (₹ 8.49 lakh less depreciation: ₹ 0.04 lakh), Depreciation by ₹ 0.04 lakh and understatement of 'Laboratory Consumables (Expenses)' by ₹ 8.49 lakh and 'Deficit for the year' by the same amount.

¹ Depreciation for six years from 2018-19 to 2023-24 for an amount of ₹ 165.76 crore (CWIP: 167.45 crore – Materials unutilized: ₹ 1.69 crore) at the rate of 2 per cent per annum.

² Depreciation was calculated for laboratory Equipment at 8 per cent for 24 days and for Electrical Equipment at 5 per cent for 24 days.

A.6 Application of Funds

Fixed Assets (Institute) (Schedule 4)

12. Computers & Peripherals: ₹ 1,205.62 lakh

The Institute purchased Computers and peripherals amounting to ₹ 2.69 crore which were accounted under Laboratory Equipment and Electrical Equipment:

Accounting of items of Computer and its peripherals (Fixed Assets) under Laboratory Equipment and Electrical Equipment resulted in understatement of Computer and its peripherals (Gross) by ₹ 2,69.27 lakh, overstatement of Laboratory Equipment (Gross) by ₹ 1,85.28 lakh and Electrical Equipment by ₹ 83.98 lakh which further led to under provision of depreciation by ₹ 1.63 lakh³ and thereby understatement of 'Deficit for the year' by ₹ 1.63 lakh.

A.7 Application of Funds

Loans, Advances and Deposits (Schedule-8)

6. Interest Accrued

(b) on Term Deposits: ₹ 147.81 lakh

The above shows interest accrued on Term Deposits as on 31st March 2024. However, on scrutiny of statement of accounts of Term Deposits issued by State Bank of India, it was found that the total interest accrued on Term Deposits as on 31st March 2024 was ₹166.72 lakh

This resulted in understatement of interest accrued as on 31st March 2024 by ₹ 18.92 lakh and corpus/capital fund by the same amount.

A.8 Fixed Assets (Schedule 4)

Tangible Assets (Institute)

7. Electrical Installation and Equipment (Net Block): ₹ 292.48 lakh

13. Furniture, Fixture & Fittings (Net Block): ₹ 514.78 lakh

The above includes supply of electrical parts for repairs and maintenance charges of Buildings rented by the Institute amounting to ₹ 13.28 lakh (Net Block: ₹ 13.47 lakh - ₹ 0.19 lakh). This should have been accounted under 'Maintenance of Electrical Installation' of Repairs & Maintenance (Schedule 19) in the Income and Expenditure Account instead of Fixed Assets.

Accounting of items of 'Repairs & Maintenance' under the 'Fixed Assets' had resulted in overstatement of Fixed Assets by ₹ 13.28 lakh (Furniture & Fixtures: ₹ 9.84 lakh and Electrical Installation & Equipment: ₹ 3.44 lakh), Depreciation by ₹ 0.19 lakh and understatement of 'Repairs & Maintenance' and 'Deficit for the year' by ₹ 13.47 lakh each.

³ ₹ 2,88,617.19 minus ₹ 1,25,076.47

B. INCOME AND EXPENDITURE ACCOUNT

B.1 Income:

Interest Earned (Schedule-12)

Interest earned on Bank Savings/Deposits:

b) On Term Deposits Account with Scheduled Bank: ₹ 37.45 lakh

The above depicts interest earned on Term Deposits of Rs. 37.45 lakh recognised during 2023-24 including interest earned on premature closure of Term Deposits which was adjusted during the year. However, on scrutiny of statement of accounts of Term Deposits issued by State Bank of India, it was found that the total interest accrued on Term Deposits including prematurely closed term deposits during 2023-24 was ₹ 39.47 lakh.

This resulted in understatement of income by ₹ 2.02 lakh and corresponding overstatement of 'Deficit for the year' by the same amount.

B.2 Income

Other Income (Schedule-13)

D. Others

6. Miscellaneous receipts (Sponsored Project Overhead & Others): ₹ 0.20 lakh

As per Significant Accounting Policy-2: Revenue Recognition, 'Institute's Overhead income or institutional charges from sponsored projects are recognised on final settlement of funds or on receipt basis in case where Institute's share is not previously known'.

On scrutiny of records, it was observed that out of the total fund receipts of ₹ 62.79 lakh for three sponsored projects, ₹ 10.10 lakh was the institutional overhead charges under recurring heads meant for the host Institute which, however, was not recognised as revenue by the Institute.

This resulted in understatement of income by ₹ 10.10 lakh and overstatement of 'Deficit for the year' and Current Liabilities (receipts against sponsored projects) by the same amount.

B.3 Income

Other Income (Schedule 13): ₹ 12.79 lakh

The Institute received an amount of ₹ 4.72 lakh (11.10.2023) and ₹ 2.95 lakh (07.10.2023) as Consultancy charges from Aizawl Municipal Corporation (AMC) and M/s National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) respectively under 'Current liabilities: Fund for the Consultancy Service'. The consultancy charges received, inclusive of GST, was to be shared between the Principal Consultant and NIT Mizoram.

However, payment of ₹ 4.55 lakh to Dr. Ricky Lalthazuala was accounted under the head of Dr. Ricky Lalthazuala (Advance) instead of 'Consultancy Fund'. The amount of ₹ 1.95 lakh, being the Institute's share as well as GST component of ₹ 1.17 lakh were not transferred to their respective heads of accounts and retained in Consultancy Fund under Current Liability.

This resulted in overstatement of Advances to employees (for expenses) by ₹ 4.55 lakh, Consultancy Fund (Current Liabilities – Schedule-3) by ₹ 7.67 lakh and 'Deficit for the year by ₹ 1.95 lakh and understatement of 'Other Income' by ₹ 1.95 lakh and Statutory Liabilities (GST payable) by ₹ 1.17 lakh.

C. General

C.1 Irregularity in the accounting treatment of RBI Account in Treasury Single Account (TSA) System.

The Institute transferred grant money from the RBI Account to SBI Account for purchase Orders issued at the end of the month of the financial year in anticipation of expenditure and to avoid the lapse of grants in the RBI Account. This practice is irregular as it is against the instruction of the Ministry of Finance, Government of India and complicates the accounting process as it requires passing of payment vouchers without actually receiving the materials from the suppliers.

C.2 Bank Reconciliation Statement (BRS):

- I. Scrutiny of Bank Reconciliation Statement (BRS) of the General Savings account of the Institute for the month of March, 2024 revealed that the Institute issued a cheque on 11/08/2022 for ₹ 2.50 lakh for purchase of computer set which was not encashed till 31st March 2024. Besides, in the BRS, an amount of ₹ 3.50 lakh was received in the Cash Book from staff but not found in the Bank Statement for more than a year (369 – 554 days) and an amount of ₹ 2.27 lakh being credited in Bank Account but not found in Cash Book for more than a year (373 – 474 days).

Thus, Institute may take necessary action to reconcile the unreconciled amounts lying for a long time in the annual accounts.

- II. Scrutiny of Bank Reconciliation Statement (BRS) of the Bank Account of the fees account of the Institute for the month of March, 2024 revealed that an unreconciled balance of ₹ 2.73 lakh was being carried forward from the previous year. The Institute may take necessary action to make adjustments against the unreconciled amount in the Annual accounts.

C.3 Provision for retirement benefits

As per AS 15 and format of accounts of MoE, provision for retirement benefits is to be made on actuarial basis. The Institute has not made the provision on Retirement Benefits on actuarial basis in contravention of AS 15 as well as format of accounts of MoE. This would have a significant impact on the deficit for the year thereby impacting Capital / Corpus Fund and liabilities. The Institute neither showed the retirement benefits paid in the current year separately nor disclosed in Notes to Accounts that it was not making provisions towards retirement benefits.

D. GRANTS

The Institute received grant of ₹ 47.25 crore and have an opening balance of ₹ 1.18 crore. Out of the total available Grants/Funds of ₹ 48.43 crore, the Institute utilised ₹ 34.97 crore (72.21 *per cent*) on Revenue Expenditure and ₹ 12.94 crore (26.72 *per cent*) on Capital Expenditure. The Institute refunded ₹ 0.01 crore (0.02 *per cent*) to the Ministry of Education, thereby leaving unspent grants of ₹ 0.51 crore (1.05 *per cent*) as of 31st March 2024.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account, and Receipt & Payment Account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in **Annexure - I** to this Audit report give a true and fair view in conformity with accounting principles generally accepted in India.
 - (a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Mizoram, Aizawl, as at 31 March 2024; and
 - (b) In so far as it relates to Income and Expenditure Account, of the Deficit for the year ended on that date.

For and on behalf of the
Comptroller & Auditor General of India

Place: Aizawl
Date:


Principal Accountant General

Annexure

Internal Audit and Internal Control System

1. Internal Audit

The Institute has not established a separate internal audit wing during 2023-24. However, the Institute appointed (21/06/2024) M/s Jewel Fanai & Co, CA Firm for inspection and compilation of Annual Accounts for the year 2023-24.

2. Internal Control System

Scrutiny of records revealed the deficiencies in the internal control mechanism related to adjustment of Staff Advances as it was observed that the staff advances were not adjusted even beyond one year inspite of maintaining expenditure control register and advance register.

3. Registers of Fixed Assets and Consumables/Stock:

The Institute maintained register of fixed assets and stock and properly updated the entries of fixed assets/consumables procured during the year. However, during the year the Institute did not conduct the annual physical verification of fixed assets and stock.

4. Regularity in payment of statutory dues:

The Institute under interest remittable to Consolidated Fund of India accounted an amount of ₹ 28.73 lakh being interest earned on Government grants (including ₹ 26.85 lakh being of interest pertaining to the previous year). However, the Institute did not remit any amount to the Consolidated Fund of India during the year.



राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

(An Institution of National Importance under Ministry of Education, Govt. of India)

चलत्लांग, आइज़ोल, मिज़ोरम / CHALTLANG, AIZAWL, MIZORAM – 796012

Phone: 0389 - 2391236 / 2391774 / 2391699

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ANNUAL ACCOUNTS

FINANCIAL YEAR

2023-24

National Institute of Technology, Aizawl, Mizoram
Balance Sheet As At 31.03.2024

(Amount in Rupees)


SOURCES OF FUNDS	Schedule No.	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	2,35,68,20,460.03	2,27,38,29,511.61
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	-	-
CURRENT LIABILITIES & PROVISIONS	3	15,57,13,637.81	11,02,90,908.84
TOTAL		2,51,25,34,097.84	2,38,41,20,420.45
APPLICATION OF FUNDS	Schedule No.	Current Year	Previous Year
FIXED ASSETS	4		
Tangible Assets(Institute)		30,27,73,291.10	26,62,29,185.12
Tangible Assets(Sponsored Project)		25,07,211.61	28,65,884.51
Intangible Assets		4,30,09,952.41	3,06,33,752.13
Capital Works-in-Progress		1,67,44,98,320.00	1,67,44,98,320.00
INVESTMENTS-EARMARKED/ENDOW/OTH. FUNDS	5		
Long Term		-	-
Short Term			
INVESTMENT - OTHERS	6	-	-
CURRENT ASSETS	7	45,27,27,057.57	38,30,52,203.45
LOANS, ADVANCES & DEPOSITS	8	3,70,18,265.15	2,68,41,075.25
TOTAL		2,51,25,34,097.84	2,38,41,20,420.45


Assistant Registrar

सहायक कुलसचिव

Assistant Registrar

राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
National Institute of Technology Mizoram


Registrar in-charge
कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


Director
निदेशक/Director
रा.प्रौ.सं मिजोरम
NIT Mizoram

Place: Aizawl
Date: 20.08.2024

National Institute of Technology, Aizawl, Mizoram
Income And Expenditure Account For The Year Ending 31.03.2024

(Amount in Rupees)

INCOME	Schedule No.	Current Year	Previous Year
Academic Receipts	9	3,92,80,029.75	3,37,83,986.75
Grants/Subsidies	10	34,96,55,823.85	36,00,68,717.18
Income from Investments	11	-	-
Interest Earned	12	1,12,03,848.08	99,98,969.83
Other Income	13	12,78,646.00	16,06,851.00
Prior Period Income	14	10,56,171.00	52,36,042.07
TOTAL (A)		40,24,74,518.68	41,06,94,566.83
EXPENDITURE			
Staff Payments & Benefits	15	13,39,54,263.00	10,54,37,616.00
Academic Expenses	16	6,23,52,407.50	3,39,48,106.14
Administrative and General Expenses	17	14,54,41,000.45	8,17,79,569.32
Transportation Expenses	18	1,62,70,184.00	71,99,789.00
Repairs & Maintenance	19	75,46,180.00	53,04,049.00
Finance Costs	20	-	-
Depreciation	4	7,68,11,619.71	3,98,27,857.88
Other Expenses	21	5,44,016.83	2,94,82,009.89
Prior Period Expenses	22	25,14,679.85	4,16,602.96
TOTAL (B)		44,54,34,351.34	30,33,95,600.19
Balance being excess of Income over Expenditure (A-B) Transfer to Capital/Corpus Fund		(4,29,59,832.66)	10,72,98,966.64
Significant Accounting Policies	23		
Notes to Accounts	24		

Place: Aizawl
Date: 20.08.2024


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SCHEDULE – 1 : CAPITAL / CORPUS FUND


(Amount in Rupees)

Particulars	Current Year	Previous Year
Balance at the Beginning of the year	2,27,38,29,511.61	2,04,06,90,701.97
Add: Contribution towards Corpus/ Capital Fund	-	-
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	12,94,29,734.15	12,58,39,843.00
Add: Adjustment/Transfer from Earmarked Funds	-	-
Add: Assets purchased out of Earmarked Funds	-	-
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution	-	-
Add: Assets Donated/ Gifts Received	-	-
Add: Other Additions	-	-
Add: Excess of income over expenditure transferred from Income & expenditure A/c	-	-
Less: Unutilized grant of Prev Yr transferred to Current Liabilities	34,78,953.08	-
TOTAL	2,39,97,80,292.68	2,16,65,30,544.97
Surplus (Deficit) transferred from Income & Expenditure A/c	(4,29,59,832.66)	10,72,98,966.64
Balance at the year end	2,35,68,20,460.03	2,27,38,29,511.61

Place: Aizawl
Date: 20.08.2024


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NIT Mizoram
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SCHEDULE 2 : DESIGNATED/EARMARKED/ENDOWMENT FUNDS

	Particulars	FUND-WISE BREAK UP		AMOUNT	
		Endowment Funds	Other Earmarked Funds	Current Year	Previous Year
A					
a)	Opening balance			-	-
b)	Additions during the year			-	-
c)	Income from Investments made of the funds			-	-
d)	Accrued Interest on investments/ advances			-	-
e)	Interest on Savings Bank A/c			-	-
f)	Other Additions			-	-
	TOTAL(A)			-	-
B					
	Utilization/Expenditure towards objectives of funds			-	-
	ii) Capital Expenditure/Capital WIP			-	-
	ii) Revenue Expenditure			-	-
	iii) Adjustment/Transfer to Corpus Funds			-	-
	TOTAL (B)			-	-
	Closing balance at the year end (A - B)			-	-
	Represented by				
	Cash and Bank Balances			-	-
	Investments			-	-
	Interest accrued but not due			-	-
	TOTAL	-	-	-	-

Place:Aizawl
Date: 20.08.2024


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SCHEDULE - 3: CURRENT LIABILITIES & PROVISIONS

(Amount in Rupees)

A.	Current Liabilities	Current Year	Previous Year
1	Deposits from Staff	-	-
2	Deposits from students	-	-
	Sundry Creditors		
3	(a) For Goods & Services	2,460.00	-
	(b) Mess Advances	70,33,364.79	69,68,930.79
4	Deposit - Others (including EMD, Security Deposit)	34,12,721.00	49,78,227.00
5	Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS, GST):	1,16,84,113.84	1,32,56,410.84
	a) Overdue	-	-
	b) Others	-	-
	Other Current Liabilities:		
	(a) Salaries	-	-
	(b) Receipts against sponsored projects	1,68,04,654.00	80,01,367.68
	(c) Receipts against sponsored fellowships & scholarships	7,00,472.00	7,02,872.00
	(d) Unutilised Grants	50,77,733.82	1,17,80,642.74
	(e) CUET UG PG - NTA Fund	4,47,625.00	-
	(f) CS- Digital India	1,45,000.00	-
	(g) National Innovation Programme	1,00,000.00	1,00,000.00
	(h) Vritika Fund	-	33.00
6	(i) NDMA	31,995.00	31,995.00
	(j) Sponsored Workshop Fund	-	2,36,400.00
	(k) TSA Outsanding Expenses	75,33,750.00	-
	(l) Expenses Payable	8,69,01,770.16	4,83,90,150.16
	(m) Refundable academic receipts	1,09,91,339.55	1,24,41,194.55
	(n) Consolidated Fund of India:		
	Interest Realised	28,72,824.93	26,84,805.19
	Interest Accrued	-	-
	(o) Interest Payable	8,46,813.72	3,02,796.89
	(p) Consultancy Fund	7,67,000.00	-
	(q) Others	3,60,000.00	4,15,083.00
	Total (A)	15,57,13,637.81	11,02,90,908.84


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निदेशक/ Director
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Director
NIT Mizoram

Place: Aizawl
Date: 20.08.2024

SCHEDULE - 3: CURRENT LIABILITIES & PROVISIONS (contd...)

B.	Provisions		
1	For Taxation	-	-
2	Gratuity	-	-
3	Superannuation Pension	-	-
4	Accumulated Leave Encashment	-	-
5	Trade Warranties/ Claims	-	-
	Total (B)	-	-
	Total (A+B)	15,57,13,637.81	11,02,90,908.84

Place: Aizawl
Date: 20.08.2024


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SCHEDULE 3 (a) Sponsored Project

(Amount in Rs)

Sl.no	Name of the Project	Opening Balance as on 01.04.23(Cr)	Opening Balance as on 01.04.23 (Dr)	Receipts/ Recoveries during the Year	Total	Expenditure during the Year	Closing Balance as on 31.03.2024 (Cr)	Closing Balance as on 31.03.2024 (Dr)
1	RP-1	-	-	-	-	-	-	-
2	RP-2	-	-	-	-	-	-	-
3	RP-3	-	-	-	-	-	-	-
4	RP-4	-	-	-	-	-	-	-
5	RP-5	-	-	-	-	-	-	-
6	RP-6	-	-	-	-	-	-	-
7	RP-7	-	-	-	-	-	-	-
8	RP-8	-	-	-	-	-	-	-
9	RP-9	-	-	-	-	-	-	-
10	RP-10	-	-	-	-	-	-	-
11	RP-11	73,039.00	-	1,02,022.00	1,75,061.00	1,19,960.00	55,101.00	-
12	RP-12	2,08,300.58	-	-	2,08,300.58	2,08,300.58	-	-
13	RP-13	-	-	-	-	-	-	-
14	RP-14	-	-	-	-	-	-	-
15	RP-15	2,66,049.10	-	-	2,66,049.10	2,66,049.10	-	-
16	RP-16	11,07,703.00	-	-	11,07,703.00	-	11,07,703.00	-
17	RP-18	-	-	61,23,418.00	61,23,418.00	49,27,325.00	11,96,093.00	-
18	RP-19	15,70,470.00	-	2,04,335.00	17,74,805.00	11,06,785.00	6,68,020.00	-
19	RP-20	29,83,119.00	-	66,507.00	30,49,626.00	25,69,911.00	4,79,715.00	-
20	RP-21	6,41,338.00	-	33,585.00	6,74,923.00	2,23,905.00	4,51,018.00	-
21	RP-22	9,52,100.00	-	1,83,073.00	11,35,173.00	7,84,981.00	3,50,192.00	-
22	RP-23	-	-	49,16,900.00	49,16,900.00	16,09,588.00	33,07,312.00	-
23	RP-24	-	-	19,50,000.00	19,50,000.00	-	19,50,000.00	-
24	RP-25	-	-	-	-	-	-	-
25	RP-26	-	-	23,25,000.00	23,25,000.00	-	23,25,000.00	-
26	RP-27	-	-	19,50,000.00	19,50,000.00	-	19,50,000.00	-
27	RP-28	-	-	19,68,000.00	19,68,000.00	-	19,68,000.00	-
28	RP-29	-	-	7,00,000.00	7,00,000.00	-	7,00,000.00	-
29	RP-30	-	-	2,20,000.00	2,20,000.00	-	2,20,000.00	-
30	TIH Grant	1,99,249.00	-	-	1,99,249.00	1,99,249.00	-	-
31	BIS Fund	-	-	76,500.00	76,500.00	-	76,500.00	-
	TOTAL	80,01,367.68	-	2,07,42,840.00	2,87,44,207.68	1,20,16,053.68	1,68,04,654.00	-

Place:Aizawl
Date: 20.08.2024


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निदेशक/ Director
रा.प्रौ.सं मिजोरम
NIT M

SCHEDULE 3 (b) Sponsored Fellowship and Scholarship

(Amount in Rs.)

Sl.no	Name of Sponsor	Opening Balance as on 01.04.23	Transactions during the year		Closing Balance as on 31.03.24
			Cr	Dr	
1	Scholarship(Central)	2,27,330.00	84,330.00	1,43,000.00	1,68,660.00
2	Scholarship(State)	4,73,142.00	3,05,000.00	2,46,330.00	5,31,812.00
3	PMSSS for J&K Students	2,400.00		2,400.00	-
	TOTAL	7,02,872.00	3,89,330.00	3,91,730.00	7,00,472.00

SCHEDULE 3 (c) Unutilized Grants from UGC, Govt of India and State Govt.

		Current Year	Previous Year
A.	Plan Grants: Government of India		
	Balance B/F	1,17,80,642.74	16,97,39,679.92
	Add: Receipts During the year	46,90,00,000.00	44,23,23,000.00
	Add: TSA Fund in General Savings	34,78,953.08	-
	Total (a)	48,42,59,595.82	61,20,62,679.92
	Less: Refunds	96,304.00	11,43,73,477.00
	Less :Utilized for Revenue Expenditure	34,96,55,823.85	36,00,68,717.18
	Less:Utilised for capital Expenditure	12,94,29,734.15	12,58,39,843.00
	Total (b)	47,91,81,862.00	60,02,82,037.18
	Unutilised carried forward (a-b)	50,77,733.82	1,17,80,642.74

Place:Aizawl
Date: 20.08.2024


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Schedule -4 FIXED ASSETS


SL No	Assets Heads	Rate of Depreciation	GROSS BLOCK				DEPRECIATION				NET BLOCK	
			As at beginning of the year	Additions	Deductions	As at end of the year	As at beginning of the year	Depreciation charged during the year	Deductions/ Adjustment	Total Depreciation	As at end of the year	As at beginning of the year
1	Land		-	-	-	-	-	-	-	-	-	-
2	Site Development		-	-	-	-	-	-	-	-	-	-
3	Buildings	2%	-	-	-	-	-	-	-	-	-	-
4	Roads & Bridges	2%	-	-	-	-	-	-	-	-	-	-
5	Tubewells & Water Supply	2%	5,70,925.00	80,850.00	-	6,51,775.00	6,450.60	12,035.01	-	18,485.62	6,33,289.38	5,64,474.40
6	Sewerage & Drainage	2%	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation & Equipment	5%	1,55,87,383.85	1,73,92,952.00	-	3,29,80,335.85	27,90,041.30	9,41,910.27	-	37,31,951.57	2,92,48,384.28	1,27,97,342.55
8	Plant & Machinery	5%	-	-	-	-	-	-	-	-	-	-
9	Scientific & Laboratory Equipment	8%	33,52,16,148.00	5,18,10,554.00	13,69,238.00	38,56,57,464.00	17,17,33,417.63	2,75,18,667.24	98.62	19,92,51,986.25	18,64,05,477.75	16,34,82,730.37
10	Office Equipment	8%	2,19,80,276.00	10,985.00	-	2,19,91,261.00	1,57,27,320.61	16,48,872.82	-	1,73,76,193.43	46,15,067.57	62,52,955.39
11	Audio Visual Equipment	8%	1,75,52,818.00	35,000.00	-	1,75,87,818.00	96,06,331.62	13,16,756.21	-	1,09,23,087.83	66,64,730.17	79,46,486.38
12	Computers & Peripherals	20%	10,66,08,263.14	1,60,66,615.15	21,12,072.00	12,05,62,806.29	8,40,18,876.71	2,44,80,060.12	-	10,84,98,936.83	1,20,63,869.46	2,25,89,386.43
13	Furniture, Fixtures & Fittings	8%	6,33,20,043.00	1,78,56,651.00	5,88,000.00	8,05,88,694.00	2,40,39,169.28	50,84,625.93	12,730.30	2,91,11,064.91	5,14,77,629.09	3,92,80,873.72
14	Vehicles	10%	7,82,387.00	-	-	7,82,387.00	7,04,791.36	77,594.64	-	7,82,386.00	1.00	77,595.64
15	Lib. Books & Scientific Journals	10%	2,12,99,623.00	7,74,855.00	-	2,20,74,478.00	1,75,39,258.94	21,31,892.54	-	1,96,71,151.48	24,03,326.52	37,60,364.06
16	Installation	2%	1,07,73,015.00	-	-	1,07,73,015.00	12,96,038.82	2,15,460.30	-	15,11,499.12	92,61,515.88	94,76,976.18
17	Other Fixed Structures	10%	6,04,350.00	-	-	6,04,350.00	6,04,350.00	-	-	6,04,350.00	-	-
18	Small Value Assets	100%	3,09,738.00	-	-	3,09,738.00	3,09,738.00	-	-	3,09,738.00	-	-
TOTAL (A)			59,46,04,969.99	10,40,28,462.15	40,69,310.00	69,45,64,122.14	32,83,75,784.87	6,34,27,875.09	12,828.92	39,17,90,831.04	30,27,73,291.10	26,62,29,185.12
19	Capital Work In Progress		1,67,44,98,320.00	-	-	1,67,44,98,320.00	-	-	-	-	1,67,44,98,320.00	1,67,44,98,320.00
TOTAL (B)			1,67,44,98,320.00	-	-	1,67,44,98,320.00	-	-	-	-	1,67,44,98,320.00	1,67,44,98,320.00
20	Computer Software	40%	8,05,06,170.00	2,54,01,272.00	-	10,59,07,442.00	6,58,83,297.59	3,16,946.52	-	6,62,00,244.11	3,97,07,197.89	1,46,22,872.41
21	E- Journals	40%	3,17,70,313.00	-	-	3,17,70,313.00	1,57,59,433.28	1,27,08,125.20	-	2,84,67,558.48	33,02,754.52	1,60,10,879.72
22	Patents		-	-	-	-	-	-	-	-	-	-
TOTAL (C)			11,22,76,483.00	2,54,01,272.00	-	13,76,77,755.00	8,16,42,730.87	1,30,25,071.72	-	9,46,67,802.59	4,30,09,952.41	3,06,33,752.13
GRAND TOTAL (A+B+C)			2,38,13,79,772.99	12,94,29,734.15	40,69,310.00	2,50,67,40,197.14	41,00,18,515.74	7,64,52,946.81	12,828.92	48,64,58,633.63	2,02,02,81,563.51	1,97,13,61,257.25

Place: Aizawl
Date: 20.08.2024


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Schedule -4 FIXED ASSETS (Sponsored Project)

SL No	Assets Heads	Rate of Depreciation	GROSS BLOCK				DEPRECIATION				NET BLOCK	
			As at beginning of the year	Additions	Deductions	As at end of the year	As at beginning of the year	Depreciation charged during the year	Deductions/ Adjustment	Total Depreciation	As at end of the year	As at beginning of the year
1	Scientific & Laboratory Equipment	8%	42,32,705.00	-	-	42,32,705.00	14,34,203.4	3,38,616.40	-	17,72,819.75	24,59,885.25	27,98,501.65
2	Lib. Books & Scientific Journals	10%	2,00,565.00	-	-	2,00,565.00	1,33,183.1	20,056.50	-	1,53,239.64	47,325.36	67,381.86
3	Computers & Peripherals	20%	1,10,339.00	-	-	1,10,339.00	1,10,338.0	-	-	1,10,338.00	1.00	1.00
			45,43,609.00	-	-	45,43,609.00	16,77,724.49	3,58,672.90	-	20,36,397.39	25,07,211.61	28,65,884.51

Place: Aizawl
Date: 20.08.2024

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Assistant Registrar
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SCHEDULE – 5: INVESTMENTS - EARMARKED/ENDOWMENT FUNDS

		Amount in Rupees	
		Current Year	Previous Year
1	In Central Government Securities	-	-
2	In State Government Securities	-	-
3	Other Approved Securities	-	-
4	Shares	-	-
5	Debentures and Bonds	-	-
6	Term Deposits with Banks	-	-
7	Others (to be specified)	-	-
	TOTAL	-	-

Place:Aizawl
Date: 20.08.2024


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SCHEDULE – 6: INVESTMENTS - OTHERS

		Amount in Rupees	
		Current Year	Previous Year
1	In Central Government Securities	-	-
2	In State Government Securities	-	-
3	Other Approved Securities	-	-
4	Shares	-	-
5	Debentures and Bonds	-	-
6	Term Deposit with Banks	-	-
	TOTAL	-	-

Place:Aizawl


Date: 20.08.2024


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SCHEDULE - 7: CURRENT ASSETS

		Current Year	Previous Year
1	Stock:		
	(a) Stores and Spares	-	-
	(b) Loose Tools	-	-
	(c) Publications	-	-
	(d) Laboratory chemicals, consumables and glass wires	-	-
	(e) Building Material	-	-
	(f) Electrical material	-	-
	(g) Stationery	-	-
	(h) Water supply material	-	-
2	Sundry Debtors:		
	(a) Debts Outstanding for a period exceeding six months	5,000.00	5,000.00
	(b) Others	-	-
3	Cash and Bank Balances		
	Cash In Hand/ Imprest Cash	-	-
	(a) With Scheduled Banks:		
	In Current Accounts	2,50,97,676.25	13,43,614.00
	In Term Deposit Accounts	6,00,00,000.00	7,34,00,000.00
	In Savings Accounts	36,60,91,538.32	30,83,03,589.45
	(b) With Non- Scheduled Banks:		
	In Term Deposit Accounts	-	-
	In Savings Accounts	-	-
	(c) In Good and Services Tax Portal:		
	In Goods and Services Tax Cash Ledger (Deductor)	2,40,809.00	-
	In Goods and Services Tax Cash Ledger (Taxpayer)	12,92,034.00	-
4	Post Office- Savings Accounts	-	-
	Total	45,27,27,057.57	38,30,52,203.45

Place: Aizawl
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Note: Annexure A includes and shows the details of Bank Accounts


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Annexure A

		Amount in Rupees
I.	Savings Bank Accounts	
	1. Grants from UGC A/c	-
	2. University Receipts	-
	3. Scholarship A/c	-
	4. Academic Fee Receipt A/c	24,94,94,727.63
	5. Development (Plan) A/c	-
	6 Combined Entrance Exams (CBT) A/c	-
	7. UGC Plan Fellowship Plan	-
	8. Corpus Fund A/c (EMF)	-
	9. Sponsorship Projects Fund A/c	72,27,451.00
	10. Sponsorship Fellowship A/c	-
	11. Endowment & Chair A/c (EMF)	-
	12. UGC JRF Fellowship A/c (EMF)	-
	13. HBA Fund A/c	-
	14. Conveyance A/c	-
	15. UGC Rajeev Gandhi Fellowship A/c (EMF)	-
	16. Academic Development Fund A/c (EMF)	-
	17. Deposit A/c	-
	18. Student Fund A/c	-
	19. Student Aid Fund A/c	-
	20. Plan Grants for Specific schemes	-
	21. New Pension Scheme A/c	-
	22. General Savings A/c	10,93,69,359.69
II.	Current Account	2,50,97,676.25
	SUB-TOTAL (I+II)	39,11,89,214.57
III	Term Deposit with Schedule Banks	6,00,00,000.00
	GRAND TOTAL (I+II+III)	45,11,89,214.57

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Schedule 8 - LOANS, ADVANCES & DEPOSITS

		Current Year	Previous Year
1	Advances to employees: (Non- interest bearing)		
	(a) Salary	-	-
	(b) Festival	-	-
	(c) Medical Advance	-	-
	(d) For Expenses	50,86,564.00	69,93,069.00
2	Long Term Advances to employees (Interest bearing)		
	(a) Vehicle Loan	-	-
	(b) Home Loan	-	-
	(d) Others	-	-
3	Advances and other amounts recoverable in cash or kind or for value to be received:		
	(a) On Capital Account	-	-
	(b) Suppliers	35,798.00	3,83,201.00
	(c) Advance for TSA Expenses	75,33,750.00	
	(d) Income Tax Recoverable	19,59,387.00	
	(e) Others	14,33,056.08	8,48,240.00
4	Prepaid Expenses	-	-
	(a) Insurance	-	-
	(b) Other expenses	9,20,000.00	-
5	Deposits		
	(a) Telephone	11,000.00	11,000.00
	(b) Lease Rent	-	-
	(c) Electricity	-	-
	(d) Security Deposit	51,08,125.00	51,08,125.00
	(e) Building on rent	1,50,000.00	1,50,000.00

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Schedule 8 - LOANS, ADVANCES & DEPOSITS (contd)

	Income Accrued		
	(a) On investments from Earmarked/Endowment Funds	-	-
6	(b) On Term Deposits	1,47,80,585.07	1,33,47,440.25
	(c) On Loans and Advances	-	-
	(d) Others (inluded income due unrealized)	-	-
	Others- Current Assets receivable from UGC/Sponsored projects		
7	(a) Debit balances in Sponsored Projects	-	-
	(b) Debit Balances in Sponsored Fellowships & Scholarships	-	-
	(c) Grant Receivable	-	-
	(d) Other receivables from UGC	-	-
8	Claims Receivable	-	-
	TOTAL	3,70,18,265.15	2,68,41,075.25

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SCHEDULE 9 – ACADEMIC RECEIPTS

PARTICULARS	Current Year	Previous Year
FEES FROM STUDENTS		
ACADEMIC		
1. Tution Fee	1,65,44,110.00	1,73,45,051.00
2. Admission fee	-	-
3. Medical Aid Fee	4,75,850.00	4,55,700.00
4. Library Fee	10,19,750.00	7,45,500.00
5. Laboratory Fee	12,87,200.00	7,21,250.00
6. Art & Craft Fee	-	-
7. Registration Fee	3,20,400.00	3,02,000.00
TOTAL (A)	1,96,47,310.00	1,95,69,501.00


EXAMINATION	Current Year	Previous Year
1. Application Form	-	-
2. Annual/Semester Examination fee	12,78,700.00	11,23,850.00
3. Mark Sheet, Certificate fee	48,500.00	15,500.00
4. Entrance Examination fee	-	-
TOTAL (B)	13,27,200.00	11,39,350.00

	Current Year	Previous Year
OTHER FEES		
1. Indentity card fee	70,450.00	41,600.00
2. Fine/Miscellaneous fee	1,50,000.00	38,000.00
3. Medical fee	-	600.00
4. Student Aid Fees	3,70,750.00	1,86,500.00
5. Hostel fee	94,20,171.75	68,60,835.75
6. Development fees	31,02,500.00	23,53,750.00
7. Student Activity fee	17,03,598.00	14,22,000.00
TOTAL (C)	1,48,17,469.75	1,09,03,285.75

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SCHEDULE 9 – ACADEMIC RECEIPTS(CONTD..)

SALE OF PUBLICATIONS	Current Year	Previous Year
1. Sale of Admission forms	-	-
2. Sale of Syllabus and question Paper, etc	-	-
3. Sale of Prospectus including admission forms	-	-
TOTAL (D)	-	-
OTHER ACADEMIC RECEIPTS	Current Year	Previous Year
1. Internet & Computer Maintenance	4,57,250.00	17,300.00
2. Inter University Cultural Activity	-	200.00
3. Gym, Annual day & Magazine fees	-	2,400.00
4. Thesis Fee	60,000.00	42,000.00
5. Training & Placement	2,02,000.00	1,95,750.00
6. Convocation	2,96,000.00	1,81,200.00
7. Industry Institution Interaction	-	2,400.00
8. Alumni Fee	1,37,500.00	88,500.00
9. Other Academic Receipts	23,35,300.00	16,42,100.00
TOTAL (E)	34,88,050.00	21,71,850.00
Total (A+B+C+D+E)	3,92,80,029.75	3,37,83,986.75

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SCHEDULE - 10: GRANTS

Particulars	Plan			Total Plan	Non Plan UGC	Current Year Total	Amount in Rupees
	Govt. of India	UGC					Previous Year Total
		Plan	Specific Scheme				
Balance B/F	1,17,80,642.74	-	-	1,17,80,642.74	-	1,17,80,642.74	16,97,39,679.92
Add: Grants for Current year	46,90,00,000.00	-	-	46,90,00,000.00	-	46,90,00,000.00	44,23,23,000.00
Add: TSA Fund Balance	34,78,953.08	-	-	34,78,953.08	-	34,78,953.08	-
Total	48,42,59,595.82	-	-	48,42,59,595.82	-	48,42,59,595.82	61,20,62,679.92
Less: Refunded to Ministry of Education	96,304.00	-	-	96,304.00	-	96,304.00	11,43,73,477.00
Balance	48,41,63,291.82	-	-	48,41,63,291.82	-	48,41,63,291.82	49,76,89,202.92
Less:Earmarked for capital expenditure	12,94,29,734.15	-	-	12,94,29,734.15	-	12,94,29,734.15	12,58,39,843.00
Balance	35,47,33,557.67	-	-	35,47,33,557.67	-	35,47,33,557.67	37,18,49,359.92
Less: Utilised for Revenue Expenditure	34,96,55,823.85	-	-	34,96,55,823.85	-	34,96,55,823.85	36,00,68,717.18
Balance C/F	50,77,733.82	-	-	50,77,733.82	-	50,77,733.82	1,17,80,642.74

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SCHEDULE - 11: INCOME FROM INVESTMENTS

Amount in Rupees

PARTICULARS	Earmarked/Endowment Funds		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
2. Interest on Term Deposits	-	-	-	-
3. Income accrued but not due on Term Deposits/ Interest Bearing advances to employees	-	-	-	-
4. Interest on Savings Bank Accounts	-	-	-	-
5. Others(Specify)	-	-	-	-
Total	-	-	-	-
Transferred to Earmarked/ Endowment Funds	-	-	-	-
Balance	-	-	-	-

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SCHEDULE - 12: INTEREST EARNED

PARTICULARS	Current Year	Previous Year
INTEREST EARNED ON BANK SAVINGS/DEPOSITS		
1. (a) On Savings Accounts with Scheduled Banks	74,58,479.26	55,37,421.81
(b) On Term Deposit A/c with Scheduled Bank	37,45,368.82	44,61,548.02
2. On Loans		
a) Employees/Staff	-	-
b) Others	-	-
3. On Debtors and other Receivables	-	-
TOTAL	1,12,03,848.08	99,98,969.83

Place: Aizawl
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SCHEDULE - 13 : OTHER INCOME

Amount in Rupees		
PARTICULARS	Current Year	Previous Year
A. Income from Land & Building		
1. Hostel Room Rent	-	-
2. Licence fee	-	-
3. Hire charges of Auditorium/Playground/Convention Centre, etc	-	-
4. Electricity Charges Recovered	62,000.00	-
5. Water Charges recovered	-	-
Total	62,000.00	-
B. Sale of Institutions Publications	-	-
Total	-	-
C. Income from Holding Events		
1. Gross Receipts from Annual Function/Sports carnival	-	-
Less: Direct Expenditure incurred on the annual function/sports carnival	-	-
2. Gross Receipts from Fetes	-	-
Less: Direct Expenditure incurred on the fetes	-	-
3. Gross Receipts for educational tours	-	-
Less: Direct Expenditure incurred on the tours	-	-
4. Others(Misc Administrative Receipt)	4,06,237.00	1,93,184.00
Total	4,06,237.00	1,93,184.00

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SCHEDULE - 13 : OTHER INCOME(Contd...)

D. Others		
1. Income from Consultancy	2,68,439.00	4,85,566.00
2. Ph.d. Admission Fees	-	-
3. Recruitment Fees	1,50,900.00	-
4. Income from Sponsorship	-	-
5. Sale of Application Form	-	-
6. Misc. receipts (Sponsored Project Overhead & Others)	20,020.00	5,14,789.00
7. Profit on Sale/Disposal of Assets	-	-
a) Owned Assets	-	-
b) Assets received free of cost	-	-
8. Grants/ Donations from Institutions, Welfare Bodies and International Organizations	-	-
9. Tender Fees	13,000.00	42,600.00
10. Application Fees	2,08,000.00	5,01,350.00
11. Other Income	1,50,050.00	62,546.00
Total	8,10,409.00	16,06,851.00
Grand Total (A+B+C+D)	12,78,646.00	16,06,851.00

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SCHEDULE - 14: PRIOR PERIOD INCOME

PARTICULARS	Amount in Rupees	
	Current Year	Previous Year
1. Academic Receipts	-	-
2. Income from Investments	-	-
3. Interest earned	-	52,36,042.07
4. Other Income	10,56,171.00	-
5.Sponsorship	-	-
6.Tender Income	-	-
TOTAL	10,56,171.00	52,36,042.07

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SCHEDULE - 15: STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Salaries and Wages	11,33,52,561.00	-	11,33,52,561.00	8,97,65,322.00	-	8,97,65,322.00
b) Allowance & Bonus	5,78,852.00	-	5,78,852.00	64,216.00	-	64,216.00
c) Contribution to Pension	1,25,40,018.00	-	1,25,40,018.00	88,71,200.00	-	88,71,200.00
d) Contribution to other fund	-	-	-	-	-	-
e) Staff Welfare expenses	1,78,158.00	-	1,78,158.00	2,62,217.00	-	2,62,217.00
f) Membership & Professional Expenses	-	-	-	-	-	-
g) LTC facility	12,23,182.00	-	12,23,182.00	11,55,354.00	-	11,55,354.00
h) Medical facility	32,71,357.00	-	32,71,357.00	38,73,168.00	-	38,73,168.00
i) Children Education Allowance	4,18,540.00	-	4,18,540.00	4,52,174.00	-	4,52,174.00
j) Honorarium	-	-	-	-	-	-
k) CPDA	14,70,325.00	-	14,70,325.00	9,17,506.00	-	9,17,506.00
l) Health Care Centre	9,21,270.00	-	9,21,270.00	76,459.00	-	76,459.00
Total	13,39,54,263.00	-	13,39,54,263.00	10,54,37,616.00	-	10,54,37,616.00

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Director
 निदेशक/
 रा. प्रौ. सं. मिजोरम
 NIT Mizoram

SCHEDULE - 16 : ACADEMIC EXPENSES


Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Laboratory expenses	11,25,062.00	-	11,25,062.00	4,77,852.00	-	4,77,852.00
b) Research Activities	2,91,488.00	-	2,91,488.00	5,81,743.00	-	5,81,743.00
c) Expenses on Seminars/Workshops	36,23,962.00	-	36,23,962.00	18,60,114.00	-	18,60,114.00
d) Payment to Visiting faculty	22,07,869.00	-	22,07,869.00	16,79,540.00	-	16,79,540.00
e) Examination	1,17,765.00	-	1,17,765.00	63,220.00	-	63,220.00
f) Students Welfare Expenses	3,39,694.00	-	3,39,694.00	13,26,480.00	-	13,26,480.00
g) Admission/ Farewell Expenses	-	-	-	-	-	-
h) Convocation Expenses	22,33,092.00	-	22,33,092.00	30,65,706.00	-	30,65,706.00
i) TA/DA	26,71,753.00	-	26,71,753.00	-	-	-
j) Remuneration	-	-	-	-	-	-
k) Training & Placement	39,776.00	-	39,776.00	20,099.00	-	20,099.00
l) Hostel Expenses	29,28,407.00	-	29,28,407.00	22,80,995.00	-	22,80,995.00
m) Honorarium & Stipends	2,90,40,174.00	-	2,90,40,174.00	1,73,21,075.00	-	1,73,21,075.00
n) Co-curricular activities	22,20,922.00	-	22,20,922.00	21,89,765.00	-	21,89,765.00
o) Annual Technical Support	22,98,923.00	-	22,98,923.00	26,80,960.00	-	26,80,960.00
p) Institutional Subscription Fees	1,16,09,065.00	-	1,16,09,065.00	-	-	-
q) Other Misc Expenses	16,04,455.50	-	16,04,455.50	4,00,557.14	-	4,00,557.14
TOTAL	6,23,52,407.50	-	6,23,52,407.50	3,39,48,106.14	-	3,39,48,106.14

Place: Aizawl
Date: 20.08.2024


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NIT Mizoram

SCHEDULE - 17 : ADMINISTRATIVE EXPENSES AND GENERAL EXPENSES

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
A. Infrastructure						
a) Electricity and power	24,53,887.00	-	24,53,887.00	14,55,182.00	-	14,55,182.00
b) Water Charges	60,43,519.00	-	60,43,519.00	27,99,555.00	-	27,99,555.00
c) Insurance, security	1,56,73,615.00	-	1,56,73,615.00	83,72,110.00	-	83,72,110.00
d) Rent, Rates and Taxes (Including property tax)	8,76,88,058.00	-	8,76,88,058.00	4,23,13,133.00	-	4,23,13,133.00
e) Casual Workers/daily wages	35,22,810.00	-	35,22,810.00	25,37,842.00	-	25,37,842.00
f) Sanitary/Housekeeping Expenses	82,01,480.00	-	82,01,480.00	42,51,320.00	-	42,51,320.00
g) DG Set running expenses	6,09,800.00	-	6,09,800.00	4,81,727.00	-	4,81,727.00
B. Communication						
a) Postage and Stationery	6,289.00	-	6,289.00	15,124.00	-	15,124.00
b) Telephone, fax and Internet charges	24,69,233.00	-	24,69,233.00	14,05,765.00	-	14,05,765.00
c) General Expense	8,78,907.00	-	8,78,907.00	6,63,830.00	-	6,63,830.00
d) Printing and stationery, Office	24,11,984.00	-	24,11,984.00	7,48,998.00	-	7,48,998.00
e) Travelling and Conveyance expenses	28,89,988.00	-	28,89,988.00	24,80,527.00	-	24,80,527.00
f) Hospitality	8,60,541.00	-	8,60,541.00	8,93,891.00	-	8,93,891.00
g) Auditor/Consultation charges	16,51,350.00	-	16,51,350.00	1,15,200.00	-	1,15,200.00
h) Honorarium & Allowances		-	-	85,550.00	-	85,550.00
i) Advertisiement & Publicity	33,48,207.00	-	33,48,207.00	35,77,765.00	-	35,77,765.00
j) Magazines & Journals		-	-	24,300.00	-	24,300.00
k) NIT Transit house	3,50,000.00	-	3,50,000.00	10,50,000.00	-	10,50,000.00
l) Bank Charges	2,144.45	-	2,144.45	1,217.32	-	1,217.32
m) Meeting Expense	17,91,473.00	-	17,91,473.00	14,02,972.00	-	14,02,972.00
n) Central Library Expenses	63,214.00		63,214.00	31,89,264.00		31,89,264.00
o) Legal Expenses	3,00,000.00		3,00,000.00	10,13,340.00		10,13,340.00
p) POL	7,09,903.00		7,09,903.00	8,51,760.00		8,51,760.00
q) Recruitment Expenses	26,59,572.00		26,59,572.00	11,41,464.00		11,41,464.00
C. Miscellaneous Expenses	8,55,026.00	-	8,55,026.00	9,07,733.00	-	9,07,733.00
TOTAL	14,54,41,000.45	-	14,54,41,000.45	8,17,79,569.32	-	8,17,79,569.32

Place: Aizawl
Date: 20.08.2024


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SCHEDULE - 18 : TRANSPORTATION EXPENSES

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1. Vehicles (owned by institution)						
a) Running Expenses	-	-	-	-	-	-
b) Repairs and Expenses	400.00	-	400.00	43,430.00	-	43,430.00
c) Insurance Expenses	-	-	-	-	-	-
d) Driver Wages	-	-	-	-	-	-
2. Vehicles taken on Rents/lease						
a) Rent/lease expenses	1,51,69,557.00	-	1,51,69,557.00	60,58,344.00	-	60,58,344.00
3. Hiring Charge - Other Transportaion Expenses	11,00,227.00	-	11,00,227.00	10,98,015.00	-	10,98,015.00
TOTAL	1,62,70,184.00	-	1,62,70,184.00	71,99,789.00	-	71,99,789.00

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SCHEDULE 19 : REPAIRS & MAINTENANCE

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Buidings	69,58,733.00	-	69,58,733.00	24,33,048.00	-	24,33,048.00
b) Furnitures & Fixtures	-	-	-	20,97,200.00	-	20,97,200.00
c) Plant and Machinery	-	-	-	-	-	-
d) Office Equipment	4,20,425.00	-	4,20,425.00	2,42,826.00	-	2,42,826.00
e) Computers	-	-	-	-	-	-
f) Laboratory & Scientific Equipment	-	-	-	-	-	-
g) Audio Visual Equipment	-	-	-	-	-	-
h) Cleaning Materials & Services	-	-	-	-	-	-
i) Book Binding Charges	-	-	-	-	-	-
j) Gardening ,Beautification	1,01,680.00	-	1,01,680.00	5,19,675.00	-	5,19,675.00
k) Estate Maintenance	-	-	-	-	-	-
l) Vehicle	-	-	-	-	-	-
m) Electrical Maintanance	65,342.00	-	65,342.00	11,300.00	-	11,300.00
TOTAL	75,46,180.00	-	75,46,180.00	53,04,049.00	-	53,04,049.00

Place: Aizawl
Date: 20.08.2024


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SCHEDULE 20 : FINANCE COSTS


Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Bank charges	-	-	-	-	-	-
b) Others(Specify)	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

Place: Aizawl
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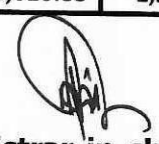
SCHEDULE 21 : OTHER EXPENSES

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Provision for bad and Doubtful Debts/Advances	-	-	-	-	-	-
b) Irrecoverable balances written-off	-	-	-	-	-	-
c) Grants/Subsidies to other institutions/organisations	-	-	-	-	-	-
d) Others (Sponsored Project)	-	-	-	-	-	-
e) Non-TSA Expenditure	-	-	-	-	-	-
i) Hospitality	-	-	-	13,400.00	-	13,400.00
ii) Office Consumables	-	-	-	12,288.00	-	12,288.00
iii) Subscriptions	-	-	-	19,66,438.00	-	19,66,438.00
iv) TA/DA to External Expert	-	-	-	60,710.00	-	60,710.00
v) Transportation Expenses	-	-	-	23,550.00	-	23,550.00
f) Expenditure under Corpus	-	-	-	-	-	-
i) Rent	-	-	-	2,25,56,212.00	-	2,25,56,212.00
ii) Repairs & Maintenance	-	-	-	34,85,815.00	-	34,85,815.00
iii) Interest Expense	5,44,016.83	-	5,44,016.83	3,02,796.89	-	3,02,796.89
iv) Hiring Charges	-	-	-	9,90,800.00	-	9,90,800.00
v) Printing & Stationary	-	-	-	70,000.00	-	70,000.00
TOTAL	5,44,016.83	-	5,44,016.83	2,94,82,009.89	-	2,94,82,009.89

Place: Aizawl
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SCHEDULE 22 : PRIOR PERIOD EXPENSES

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1. Establishment expenses	-	-	-	-	-	-
2. Academic expenses	-	-	-	4,16,600.00	-	4,16,600.00
3. Administrative expenses	-	-	-	-	-	-
4. Transportation expenses	-	-	-	-	-	-
5. Repairs & maintenance	-	-	-	-	-	-
6. Other expenses	25,14,679.85	-	25,14,679.85	2.96	-	2.96
Total	25,14,679.85	-	25,14,679.85	4,16,602.96	-	4,16,602.96

Place: Aizawl
Date: 20.08.2024


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NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

Receipts and Payments

1-Apr-23 to 31-Mar-24

Receipts	1-Apr-23 to 31-Mar-24		Payments	1-Apr-23 to 31-Mar-24	
Opening Balance		30,96,47,203.45	Current Liabilities		11,61,93,782.68
Bank Accounts	30,96,47,203.45		EPF Remittable (Pi Thiangi)	10,00,000.00	
Current Liabilities		54,53,14,433.00	Income Tax/TDS	9,52,607.00	
EPF Remittable (Pi Thiangi)	10,00,000.00		CSAB/CCMT	3,92,901.00	
Income Tax/TDS	9,64,973.00		DEDUCTIONS FROM EMPLOYEES	1,77,43,523.00	
TDS ON GST	23,99,889.00		Deposit - Others	5,75,000.00	
CSAB/CCMT	4,92,901.00		GRANT-IN-AID	96,304.00	
DEDUCTIONS FROM EMPLOYEES	1,92,93,714.00		Other Current Liabilities	6,77,61,456.68	
Deposit - Others	2,23,593.00		Refundable Academic Receipts	2,47,77,065.00	
GRANT-IN-AID	46,90,00,000.00		Statutory Liabilities	28,94,926.00	
Other Current Liabilities	2,70,77,963.00		Fixed Assets		3,87,19,489.00
Refundable Academic Receipts	2,34,01,344.00		Institute's Assets _ Non TSA	81,49,756.00	
Statutory Liabilities	14,60,056.00		Institute's Assets _ TSA	3,05,69,733.00	
Current Assets		3,76,81,167.00	Current Assets		4,08,94,914.00
Advance Recovery	63,624.00		Advance for Special Coupon	10,00,000.00	
K Lalremtluanga (Advance Rent)	13,80,000.00		Advance for TSA Expenses	70,69,185.00	
Pinak Mess Advance	15,00,000.00		GST Cash Ledger 3B (Payer)	13,55,034.00	
Protean Payment	10,47,559.00		GST Cash Ledger R7	47,95,853.00	
All Advances	2,02,39,984.00		Income Tax to Be Recovered	19,59,387.00	
Investment	1,34,00,000.00		K Lalremtluanga (Advance Rent)	23,00,000.00	
Seed Money	50,000.00		Pinak Mess Advance	15,00,000.00	
Indirect Incomes		5,03,24,599.75	Protean Payment	10,47,559.00	
Leave Without Pay (Deduction)	1,31,050.00		Saurav NPS Recoverable	6,000.00	
Academic Receipt	3,95,40,720.75		All Advances	1,96,11,896.00	
Interest Earned	99,58,723.00		Seed Money	2,50,000.00	
OTHER ADMIN. RECEIPTS	59,290.00		Indirect Incomes		2,95,391.00
Other Income	6,34,816.00		Academic Receipt	2,70,391.00	
Ependiture Under TSA		19,93,804.00	Other Income	25,000.00	

OH-31		19,93,804.00		Ependiture Under TSA			35,62,38,971.95
				OH-31		22,24,77,645.95	
				OH-36		13,37,61,326.00	
				Indirect Expense			14,29,444.00
				Prior Period Expense		14,29,444.00	
				Closing Balance			39,11,89,214.57
				Bank Accounts		39,11,89,214.57	
Total			94,49,61,207.20	Total			94,49,61,207.20

Place: Aizawl
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SCHEDULE : 23

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS OF ACCOUNTS PREPARATION

The accounts are prepared under the Historical Cost Convention unless otherwise stated and generally on the Accrual Method of Accounting.

2. REVENUE RECOGNITION

Revenue receipts on account of academic fees, registration fees, recruitment fees, hostel fees, other academic receipts, and interest on saving banks accounts are accounted on cash basis . Institute's overhead income or institutional charges from sponsored projects are recognized on final settlement of funds or on receipt basis in cases where institute's shares are not previously known. Interest on investments are accounted on accrued basis.

3. FIXED ASSETS AND DEPRECIATION

3.1 Fixed Assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.

3.2 Depreciation is provided Pro-Rata basis from the day next to the procurement or day next put to use on additions during the year.

3.3 Where asset is fully depreciated, it will be carried at a residual value of Re. 1 in the Balance Sheet and will not be further depreciated.

3.4 Fixed Assets are valued at cost less accumulated depreciation. Depreciation on Fixed Assets is provided on Straight Line Method, at the following rates –

1. Land	0%
2. Installation	2%

3. Buildings	2%
4. Roads and Bridges	2%
5. Tube Wells and Water Supply	2%
6. Sewerage & Drainage	2%
7. Electrical Instalment & Equipment	5%
8. Plant & Machinery	5%
9. Scientific and Laboratory Equipment	8%
10. Office Equipment	7.5%
11. Audio Visual Equipment	7.5%
12. Computers & Peripherals	20%
13. Furniture, Fixtures & Fittings	7.5%
14. Vehicles	10%
15. Library Books & Scientific Journals	10%
16. Other Fixed Structures	10%

Intangible Assets (amortization):

- | | |
|--------------------------|---------|
| 1. E – Journals | 40% |
| 2. Computers Software | 40% |
| 3. Patents and Copyright | 9 years |

3.5 Assets created out of Earmarked Funds for Sponsored Projects, where the ownership of such assets vests in the institutions, are set up by credit to capital fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets.

4 INTANGIBLE ASSETS: (Patents and Copy Rights, E – Journals and computer software are grouped under Intangible Assets)

- 4.1 Electronic Journals (E – Journals) are separated from Library Books in View of the limits benefit that could be derived from the on-line excess provided. E – Journals are not in Tangible form, but temporarily capitalized and in a view of the magnitude of the expenditure and the benefit derived in terms of perpetual knowledge acquired by the Academic and Research Staff; Depreciation is provided in respect of E – Journals at a higher rate of 40% as against depreciation of 10% provided in respect of Library Books.
- 4.2 Expenditure on acquisition of Software has been separated from Computers and Peripherals, as apart from being intangible assets, the rates of obsolescence in respect of these are very high. Depreciation is provided in respect of software at a higher rate of 40% as against depreciation of 20% provided in respect of Computers and Peripherals.

5. INVESTMENTS

- a. Long term investments are carried at their cost or face value whichever is lower. However, any permanent diminution in their value as on the date of the Balance Sheet is provided for.
- b. Short Term investments are carried at their cost or market value (if quoted) whichever is lower.

6. CAPITAL/CORPUS FUNDS

Capital / Capital Fund, from the varying nature of the fund, represents the surplus/deficit from the operational activities of the institute, being the net amount transferred from the Income & Expenditure Account. The Capital/Corpus will be added with the Assets procured/capitalized during the financial year from both the Govt. grants and sponsored project funds if ownership vests in the Institute..

7. GOVERNMENT AND UGC GRANT

- 7.1 Government Grants and UGC Grants are accounted on realization basis.
- 7.2 To the extent sanctioned for capital expenditure government grants and grants from UGC are transferred to the Capital Fund.
- 7.3 Governments and UGC Grants for meeting Revenue Expenditure (on accrual basis) are treated, to the extent utilized, as income of the year in which they are realized.
- 7.4 Unutilized grants (including advances paid out of such grants) are carried forward and exhibited as a liability in the Balance sheet.
- 7.5 To the extent unutilized grant is reversed under Treasury Single Account by the Reserve Bank of India, the same amount is deducted from Grant balance.

8. SPONSORED PROJECTS

- 8.1 In respect of ongoing Sponsored Projects, the amount received from sponsors are credited to the head "Current Liabilities- Sponsored Projects- receipts against ongoing sponsored projects". As and when expenditure is incurred/advances are paid against such projects, or the concerned project account is debited with the allocated overhead charges, the liability account is debited. Institutional Charges recovered from the projects are treated as the income of the Institutes and carried to the Income & Expenditure Account.
- 8.2 Assets created out of Sponsored Projects Funds, where the ownership vests with the Institution, are merged with the respective Assets heads by credit to capital funds. Depreciation is provided in the normal course.

- 8.3 The Institution allots the share of the Institutional charges (Income of the Institution) to Project Coordinators for incurring Capital Expenditure for Infrastructure/Laboratory Development. The Assets thus created are from the Institution Funds and are merged with the respective heads. Depreciation is provided on such assets also in the normal course.

9. INCOME TAX

The income of the institution is exempt from income Tax under Sanction 10 (23C) of the Income Tax Act. No provision tax is therefore made in the accounts.

Place : Aizawl
Date :20.08.2024


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NOTES TO ACCOUNTS

1. FIXED ASSETS

- 1.0 Purchase of a Mobile Phone costing Rs.1,50,000 in FY 22-23 was inadvertently recorded as a revenue expenditure for which necessary additions to the block of assets after charging depreciation for the previous year of Rs. 52,756.85/- was executed during the year.
- 1.1 Purchase of laboratory consumables of Rs. 6,49,278/- during previous year and inadvertently recorded as a scientific & laboratory asset is removed from the block of assets during the year. No depreciation was charged in the previous year.

2. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS

- 2.0 In the opinion of the Management, the current assets, Loans, Advances and Deposits have a value of realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.
- 2.1 The details of balances in Saving Banks Accounts, Current Accounts and Fixed Deposits Accounts with Banks are enclosed attachment 'A' to the Schedule of Current Assets.
- 2.2 Previous year's figures have been re-grouped and re-arranged wherever found necessary.
- 2.3 Schedules 1 to 24 are annexed to and form an Integral part of the Balance Sheet at 31st March, 2023 and the Income and Expenditure Account for the year ended on that date.

3 GRANT IN AID

- 3.0 The Institution is liable to remit Interest earned on grants received from Ministry of Education to the Consolidated Fund of India. In compliance, the Institute has book interest earned during the year from savings account as current liabilities on a pro rata basis as such funds are pooled with other funds in savings bank account maintained with State Bank of India.
- 3.1 Unutilized Grants as on 31.03.2023 and received through TSA system (Treasury Single Account) is reversed in full by the TSA system.

4 PRIOR PERIOD EXPENSE

- 4.0 TDS on purchase of goods and services of Rs. 3,83,201/- inadvertently booked as 'Advance to Supplier' instead of revenue expenditure during the previous year is now corrected by showing the amount as a prior period expense.
- 4.1 Central record keeping charges of Rs. 2,651/- of previous year was paid during the year and accordingly recorded as a prior period expense.
- 4.2 Revenue expenses of previous year aggregating Rs. 14,26,793/- was paid during the year and accordingly recorded as a prior period expense.
- 4.3 Laboratory consumables of Rs 6,49,278/- was inadvertently recognized as a fixed asset under scientific and laboratory equipment. The error is reversed by charging income as a prior period expense.
- 4.4 Purchase of mobile phone for Director of the Institute worth Rs. 1,50,000/- was recorded as a revenue expense during the previous year. Fixed asset is now recognized and the depreciation for the previous year amounting to Rs. 52,756.85 is charged as a prior period expense.

5 PRIOR PERIOD INCOME

- 5.0 Challan payment for TDS under GST tax provisions were inadvertently booked as expense in the previous year(s) because of which Cash Ledger under the GST portal was not created. To reflect the actual balance of the cash ledger as per GST portal, a corrective entry was passed for an amount Rs 2,29,307/- and reversing the charge to revenue of prior periods as a prior period income of the period.
- 5.1 Purchase of assets booked in previous year on which depreciation of Rs 12,828.92/- was also charged to income, but purchase order ultimately cancelled in current year, is reversed by crediting to income of the depreciation charged during previous year as a prior period income.
- 5.2 Expenses for pension & LSC contribution amounting to Rs. 5,14,233/- was inadvertently booked as an outstanding expense during the previous year. To reverse the error, the same is being shown as a prior period income by reversing the expenses payable account.
- 5.3 Fees received during the previous year of an amount Rs. 55,083/- was inadvertently booked as a liability. The same is now shown as a prior period income.
- 5.4 Purchase of mobile phone for Director of the Institute worth Rs. 1,50,000/- was recorded as a revenue expense during the previous year. Fixed asset is now recognized and the charge to income is reversed as a prior period income.
- 5.5 Purchase of mobile phone for the incumbent Registrar worth Rs. 1,50,000/- was recorded as a revenue expense during the previous year. However, the said asset was acquired at the WDV during the period. As the asset is no longer held by the Institute, the WDV of the asset on the date of takeover valued at Rs. 94,719.08/- is now recognized as a prior period income.

6 CURRENT LIABILITIES

- 6.0 CPF Accrued & Earned Leaves Accrued by Prof. Saibal Chatterjee was transferred to NIT Mizoram bank account by former employer NERIST, Nirjuli after expiry of the lien period. As the accrued earnings received on behalf of Pro. Saibal Chatterjee are yet to be remitted to Contributory Provident Fund, provision is made to compensate earnings on such remittance at the rate of 7.1% on CPF Accrued and Earned leaves portion.

Place: Aizawl

Date: 20.08.2024


Assistant Registrar
सहायक कुलसचिव
Assistant Registrar
राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
National Institute of Technology Mizoram


Registrar-in-Charge
कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


Director
निदेशक/Director
रा. प्रौ. सं. मिजोरम
NIT Mizoram