

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
2022 - 2023

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

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ANNUAL REPORT

&

**ANNUAL AUDITED STATEMENT OF
ACCOUNTS**

FOR THE YEAR 2022 - 2023

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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 & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering, etc.
- To initiate new Post Graduate (PG) programmes in Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Mathematics, Physics, Chemistry, Humanities and Social Sciences, 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 5 (five) branches of engineering, viz., Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Mechanical Engineering and Civil Engineering, (b) PG courses leading to M. Tech. degree in 4 (four) branches of engineering, viz., Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering and Mechanical Engineering and (c) PG courses leading to Ph.D. degree in 5 (five) branches of engineering, viz., Electrical Engineering, Electronics & Communication Engineering, Computer Science & 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 project 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 & Electronics Engineering, Electronics & Communication Engineering and Computer Science & 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 29° 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 (BOG) headed by the Chairperson. The Director of the Institute is an ex-officio Member of the BOG.

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 & Engineering, Mechanical Engineering and Civil Engineering and PG programmes leading to M. Tech. degree in Electrical Engineering, Electronics and Communication Engineering, Computer Science & Engineering and Mechanical 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, 30 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. Sport 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, one is on *Lien retention* to NIT Agartala

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	2 – Superintendent 1 – Accountant (Adhoc)
8.	Technical Assistant	3	3 – Regular 4 – Adhoc
9.	Junior Engineer	1	1
10.	Library & Information Assistant	1	0
11.	Stenographer	1	Nil*
12.	Technician / Lab Assistant/Instructor	6	4 – Regular
13.	Junior Assistant	4	4
14.	Multi-Tasking Staff	2	1
	TOTAL	26	25

* 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 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.

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.
Temporary Faculty	Dr. Pragati Singh	Ph. D.
	Dr. Remika Ngangbam	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 & 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.

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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.
Temporary Faculty	Dr. Abhijit Banik	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 Laboratories
- f. Manufacturing Laboratories I, II & III
- g. Thermal Laboratories I, II & III

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.

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 & Communication Engineering (ECE)
- Computer Science & Engineering (CSE)
- Mechanical Engineering (ME)
- Civil Engineering (CE)

(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)

(c) *PG courses leading to Ph.D. degree in departments, viz.,*

- Electrical Engineering (EE)
- Electronics & 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]

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 (2022-23) Batch (Fresh Admission During ODD Semester 2022-23)	CE	4	0	1	0	10	2	3	0	5	4	0	0	29
	CSE	5	1	4	2	11	2	5	3	2	1	0	0	36
	ECE	3	0	2	2	11	3	6	0	6	2	0	0	35
	EE	4	0	1	1	8	4	3	2	5	0	1	0	29
	ME	4	4	3	0	7	2	4	0	4	0	0	0	28
Sub-Total		20	5	11	5	47	13	21	5	22	7	1	0	157
Year Back Student	EE	0	0	1	0	0	0	0	0	0	0	0	0	1
	ME	0	0	0	0	0	0	0	0	1	0	0	0	1
Sub-Total		0	0	1	0	0	0	0	0	1	0	0	0	2
G. Total (Fresh + Year Back)		20	5	12	5	47	13	21	5	23	7	1	0	159

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	29
2	CSE	36
3	ECE	35
4	*EE	30
5	*ME	29
Total		159

The M. Tech. and Ph. D. course wise total enrolment of the students in NIT Mizoram for 2022-23 is given below.

M. Tech. (Fresh Admission During ODD Semester 2022-23)			
Deptt.	Female	Male	Total
CSE	1	1	2
ECE	0	1	1
EE	0	2	2
ME	0	0	0
Total	1	4	5

Ph. D. (Fresh Admission During Odd Semester 2022 & Even Semester 2023 (AY: 2022-2023))			
Deptt.	Female	Male	Total
BS & HSS	7	12	19
CE	2	7	9
CSE	2	8	10
ECE	4	8	12
EE	7	4	11
ME	0	2	2
Total	22	41	63

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

Sl. No.	State	No. of Fresh B. Tech. students who have been admitted during Odd Semester 2022 (AY: 2022-2023) excluding year back students
1	ANDHRA PRADESH	14
2	ARUNACHAL PRADESH	1
3	ASSAM	2
4	BIHAR	35
5	HARYANA	2
6	JHARKHAND	4
7	KARNATAKA	2
8	MADHYA PRADESH	3
9	MAHARASTRA	2
10	MIZORAM	38
11	ODISHA	1
12	RAJASTHAN	13

13	TELANGANA	9
14	UTTAR PRADESH	29
15	WEST BENGAL	2
TOTAL		157

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 (2022) (including 7 years back students and out of 7 only 2 have been admitted)	157+7=164-5=159
2	Second year (2021)	150
3	Third year (2020)	135
4	Fourth year (2019)	110
Total		559 (559-5=554)

5.5 Hostels

At present there are 4 (four) boys hostel and 1 (one) girls hostel which can accommodate more than 400 students (including girl students). The Hostels are located at Tanhril and Durtlang, which are about 10 – 15 kms. away from the academic buildings. 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 Top Class Education for SC students” for the year 2022-23 (Fresh)

Sl. No.	Name of the Student	NSP ID	Course of study in which admission secured
1	SAMBRAMOLLA THOTAIAH	AP202223000528204	B.Tech (ECE)
2	VAJRAGADA DINESH KUMAR	AP202223009119919	B.Tech (CSE)
3	MASIRAPA VIJAY VARDHAN	AP202223009173666	B.Tech (ECE)
4	SIRIGIRI RAJU	TS202223009196102	B.Tech (ECE)
5	KISSAN DALAI	OR202223009214787	B.Tech (ME)
6	SANDEEP KUMAR	UP202223009738211	B.Tech (ME)

Sl. No.	Name of the Student	NSP ID	Course of study in which admission secured
7	KANIKELLA SURYA SRI	AP202223001939875	B.Tech (ECE)
8	INDOORU BHARGAVI	TS202223002052833	B.Tech (EE)
9	SHOBHA	RJ202223001227618	B.Tech (ME)

Scholarship recipients under the “Central Sector Scholarship Scheme of Top Class Education for SC students” for the year 2022-23 (Renewal)

Sl. No.	Name of the Student	NSP ID	Course in which studying
1	NIMMAKANTI MAHESH	AP202122001957863	B.Tech (ECE)
2	REJETI SUJITH KUMAR	AP202122003161063	B.Tech (EE)
3	ROHIT KUMAR	BR202122007784811	B.Tech (CE)
4	LINGALA NITHISH KUMAR	TS202122001706646	B.Tech (ME)
5	MUNJAM SWAPNA	TS202122001744741	B.Tech (EE)
6	INJETI MANOJ	TS202122010029006	B.Tech (CSE)

Scholarship Recipients under the Central Sector Scholarship Scheme of National Fellowship and Scholarship for Higher Education for ST Students for the year 2022-23 (Fresh).

Sl. No.	Application No.	Name of the student	Branch
1	MZ202223002965771	LILY F LALRAMTIAMI	B.Tech (CE)
2	RJ202223002086279	ANKIT MEENA	B.Tech (CE)
3	TS202223008375681	NANAVATH HARI SHANKAR NAYAK	B.Tech (ME)
4	AS202223007617845	JUNALI SONOWAL	B.Tech (CSE)
5	M7202223009279868	GAUTAM JYOTI CHAKMA	B.Tech (ECE)
6	MZ202223009113323	SUNIL KANTI CHAKMA	B.Tech (ECE)
7	TS202223009141432	MUDAVATH POOJA	B.Tech (CE)
8	BR202223007430536	ANJEET KUMAR	B.Tech (ME)
9	MZ202223009905754	BIAKHLUNCHHUNGA	B.Tech (CE)
10	CT202223005127232	PRITY MALIK	B.Tech (ECE)
11	TS202223009440506	BHUKYA BHAKSHITH NAYAK	B.Tech (EE)
12	MZ202223009727073	LALRINFELA	B.Tech (CE)
13	MZ202223002705806	ROBINSON CHAKMA	B.Tech (ECE)

Sl. No.	Application No.	Name of the student	Branch
14	MZ202223002701433	RAMESH KANTI CHAKMA	B.Tech (ECE)
15	TS202223009308808	ADE TARUN	B.Tech (ECE)
16	TS202223002131930	BHUKYA SAI KUMAR	B.Tech (ME)

Scholarship Recipients under the Central Sector Scholarship Scheme of National Fellowship and Scholarship for Higher Education for ST Students for the year 2022-23 (Renewal).

Sl. No.	Name of the students	Enrolment No.
1	YASHPAL SINGH	B.Tech (CE)
2	SONU KUMAR MEENA	B.Tech (ME)
3	RUTHY LALHMANGAIHZUALI	B.Tech (CE)
4	LALLAWMSANGI COLNEY	B.Tech (ME)
5	R. LALRUATFELI	B.Tech (CSE)
6	LALFAKZUALA	B.Tech (CSE)
7	SAMUEL LALRINDIKA	B.Tech (CSE)
8	VANLALLAWLMKIMA	B.Tech (ME)
9	RAMAVATH RAMESH	B.Tech (EE)
10	BONATHU LOKESH NAYAK	B.Tech (ME)
11	KETHAVATH BALU NAIK	B.Tech (CE)
12	AMULA SAHITH KUMAR	B.Tech (ECE)
13	BUKKYA YUGANCHAR NAIK	B.Tech (CSE)
14	BANOTH SAI RAM	B.Tech (ECE)

5.7 Games and Sports

Every year, the Institute organises games and sports under the banner '*Shaurya*'. The following sports are generally to be organised every year during sports week:

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

Beside games and sports the Institute also organises Cultural and Technical 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	26	19	7	73.07
	II	23	17	6	73.91
	III	27	13	14	48.15
	IV	27	20	7	74.07
	V	28	27	1	96.43
	VI	28	26	2	92.86
	VII	20	19	1	95
	VIII	19	19	0	100
CSE	I	43	30	13	69.77
	II	42	36	6	85.71

	III	40	27	13	67.50
	IV	37	21	16	56.76
	V	33	33	0	100
	VI	33	29	4	87.88
	VII	26	25	1	96.15
	VIII	26	25	1	96.15
ECE	I	37	25	12	67.57
	II	33	26	7	78.79
	III	37	32	5	86.49
	IV	34	32	2	94.12
	V	30	28	2	93.33
	VI	31	26	5	83.87
	VII	22	18	4	81.82
	VIII	22	19	3	86.36
EE	I	32	26	6	81.25
	II	31	23	8	74.19
	III	30	20	10	66.67
	IV	27	18	9	66.67
	V	27	25	2	92.59
	VI	25	21	4	84
	VII	20	18	2	90
	VIII	20	17	3	85
ME	I	28	19	9	67.86
	II	24	17	7	70.83
	III	22	10	12	45.45
	IV	22	16	6	72.73
	V	21	20	1	95.24
	VI	21	21	0	100
	VII	22	21	1	95.45
	VIII	21	21	0	100

Degree: Master of Technology

Dept .	Semester	Total No. of Students	Total Pass Students After Re-Exam	Total Students Fail	Pass %
CSE	I	2	2	0	100
	II	2	2	0	100
	III	1	1	0	100
	IV	1	1	0	100
ECE	I	1	1	0	100
	II	1	1	0	100
	III	4	4	0	100
	IV	4	4	0	100
EE	I	1	1	0	100
	II	1	1	0	100
	III	NA			
	IV				
ME	I	NA			
	II				
	III				
	IV				

5.9 Training and Placement

The Institute's Training and Placement Cell organizes training opportunities for students, facilitating their placement in different companies. 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 2022-23 academic year, over 100 students completed internships with organizations such as SAIL, Indian Railways, Airport Authority of India, PHED & PWD in Mizoram, Power Grid, ECIL, and BHEL. Some of these students even received stipends ranging from 7,000.00 to 15,000.00 per month during their internships. These internships typically lasted for a minimum of 28 days and took place during both summer and winter vacations.

Electrical and Electronics Branch (2019-2023 Batch) – [B. Tech]

Sl. No.	Name of Student	Company Name	CTC (LPA)
1	Akash Kumar Singh	Valeo, Vedanta limited	7.5, 14.5
2	Ayushi Rajshekhar	Optum	11.75
3	G Nalini Prakash	Great capital	28
4	Madhu Singh	Alstom	6.8
5	Mohammad Zaid Ahmad	Valeo	7.5
6	Nagisetty Anil Kumar	Virtusa	5
7	Poliboina Murali	Virtusa	5
8	Satyam Raj	Argusoft	7.12
9	Shiva	Alstom	6.8
10	Shubham Raj	Valeo	7.5
11	Sourav Kumar	Switch Mobility	5
12	Virat Barnwal	Tata Power	6.64
13	Vivek Narayan	Larsen and Turbo	6
14	Akanksha Shree	Alstom	6.8

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
16	14	8.88 LPA

Electronics and Communication Engineering Branch (2019-2023 Batch) – [B. Tech]

Sl. No.	Name of Student	Company Name	CTC (LPA)
1	Dinavahi B N V Sai Durga Sri Raja Ram	DELOITTE, ALSTOM	7.5, 6.8
2	Hemant Tyagi	OPTUM UHG	11.7
3	Kaustubh Mani	VIRTUSA, Vedanta	5.5, 14.5
4	Mayank Mishra	PIE INFO COMM	6
5	MD Raihan	HOMIWISE- PLAN REALTY, VASSAR LABS	3.6, 7
6	N. V. V. Satyanarayana	ALSTOM	6.8
7	Niddara Saketh	SLB	9.5
8	Shasi Kant Kumar	CGI	7.8
9	Sumit Saurabh	L&T	6
10	Sumant Kumar	Teleperformance	7
11	Gifty Abhishek	ALSTOM	6.8

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
20	11	8.23 LPA

Computer Science and Engineering Branch (2019-2023 Batch) – [B. Tech]

Sl. No.	Name of Student	Company Name	CTC (LPA)
1	Abhishek Saraswat	DBS, ALSTOM	10.82, 6.8
2	Alok Pratap Singh	Winjit, GE Digital	12, 17.40
3	Chiliveru Aravind	Trellix, CDOT, CDAC, Argusoft	15.88, 19, 8.5, 7.12
4	Himanshika Purwar	Publicis Sapient	12.5
5	Nitesh Raut	Teleperformance	7
6	Prakash Kisan Dewasi	Nucleus Software	8.15
7	Priya Singh	Vedanta resources, Zycus	14.5, 7.2
8	Rahul Kumar	Teleperformance	7
9	Raunak Lalmuanpuia	Byjus	6
10	Ruzina Haque Laskar	CDOT, CDAC	19, 8.5
11	Sahil Choudhury	Optum, Argusoft, Homiwise	11.75, 7.12, 3.6
12	Saurabh Raj Ratan	Publicis Sapient	12.5
13	Soukarjya Saha	Optum	11.75
14	Niraj Kumar	CDOT, CDAC, Optum, Nagarro	19, 8.5, 11.75, 7
15	Isha Singh	CDOT, Publicis Sapient	19, 12.5

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
19	15	13.02 LPA

Mechanical Branch (2019-2023 Batch) – [B. Tech]

Sl. No.	Name of Student	Company Name	CTC (LPA)
1	Abhinandan	Alstom	6.8
2	Abhishek Kumar	SkillVertex Vedanta	6 14.5
3	Alok Kumar Yadav	Ashok leyland	6.5
4	Ashish Kushwaha	Virtusa	5.5

5	A John Praveen Kumar	Virtusa	5.5
6	Bitu Rajak Kumar	SkillVertex	6
7	Deepanjan Mukherjee	Alstom Deloitte	6.8 7.6
8	Gautam Kumar	Vedanta	14.5
9	Lawmasangzuala	Vedanta	14.5
10	Lokeshwar	SkillVertex	6
11	Ranjeet Kumar	SkillVertex Intellipaat	6 9
12	Shalini Singh	Intellipaat Vedanta	9 14.5
13	Shivam Kumar	Vedanta	14.5

Total Eligible Students	Total Students	Average Salary Package (CTC)
18	13	9.65 LPA

Civil Branch (2019-2023 Batch) – [B. Tech]

Sl. No.	Name of Student	Company Name	CTC (LPA)
1	Dangeti Jagadeesh	KEC International	6.0
2	Harshit Singh	Pie Infocomm, Vedanta Resource	6.0, 14.5
3	Rohit Kumar	KEC International	6.0
4	Sanjeeb Kumar	KEC International	6.0
5	Saurabh Kumar	Pie Infocomm, KEC International	6.0, 6.0
6	Saurav Roy	L&T	6.0
7	Tanu Priya	Skill vertex	8.0

Total Eligible Students	Total Students Placed	Average Salary Package (CTC)
17	7	7.5 LPA

The overall placements for 2023 pass out batch:

B. Tech Placement Statistics (2019-2023)	
1.	Total Placed Percentage EEE= 87.5 %
2.	Total Placed Percentage ECE= 55.0 %
3.	Total Placed Percentage CSE= 78.9 %
4.	Total Placed Percentage ME= 72.2 %

5. Total Placed Percentage CE = 41.2 %
6. Overall Placed Students (B. Tech) = 60
7. Overall Offers (B. Tech) = 79
8. Overall Average CTC = 9.8 LPA
Overall Placed Percentage = 66.67 %

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.	Prof. S Sundar, Director, NIT Mizoram	Chairperson
2.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Member
3.	Additional Secretary or Joint Secretary (Technical) Department of Higher Education Ministry of Human Resource Development, Govt. of India	Member
4.	Financial Advisor Department of Higher Education Ministry of Human Resource Development, 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 Professor (Chem), IIT Guwahati	Member
8.	Prof. Alok Shukla Professor, Deptt. of BS&HSS (Phy), NIT Mizoram	Member
9.	Dr. Ricky Lalthazuala Assistant Professor Grade-I, Department of CE, NIT Mizoram	Member
10.	Dr. Lalthanchami Sailo, Registrar, 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.	Prof. S Sundar, Director, NIT Mizoram	Chairman
2.	Prof. S Sundar, Director, NIT Mizoram	Ex-Officio Member
3.	Joint Secretary or his nominee Deptt. of Higher Education, MHRD, Govt. of India	Member
4.	Financial Advisor or his nominee	Member

	Department of Higher Education, MHRD, Govt. of India	
5.	Prof. Alok Shukla Professor, Deptt. of BS&HSS (Phy), NIT Mizoram	Member
6.	Dr. Lalthanchami Sailo, Registrar, 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, MHRD, GoI	Member
3.	Director (IFD), Deptt. of Higher Education, MHRD, GoI	Member
4.	Prof. Anjan Dutta, Professor, Department of Civil Engineering, IIT Guwahati	Member (BOG Nominee)
5.	Prof. P. S. Choudhury Department of Civil Engineering, NIT Silchar	Member (BOG Nominee)
6.	Dr. J. H. Ansari, Former Director, SPA, New Delhi	Member (BOG Nominee)
7.	Shri CH. Lalnunchama, Executive Engineer (Electrical), PWD Govt. of Mizoram	Member
8.	Dr. Bijayananda Mohanty Associate Professor Department of Civil Engineering & Dean (P & D), NIT Mizoram and	Member
9.	Dr. Lalthanchami Sailo, Registrar, 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 Deptt. of HSS, IIT Kanpur	Member
5.	Dr. Rudra Sankar Dhar Dean (Academics), NIT Mizoram	Member
6.	Dr. Lalthanchami Sailo, Registrar, 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 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
TOTAL		38,390.34	-	13,904.41	24,485.93	3,018.81	40,068.15

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 14,200 books. Out of this about 13,400 books belong to general textbooks for use in regular classes and about 800 books are for reference.

Apart from this, the Central Library also has 6790 titles of E-books from 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 (1400+ e-Journals), and Science Direct, reports, magazines and national and regional newspapers are stacked in the Institute Library.

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.

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.

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 lab 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 connection. 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 INTERNATIONAL YOGA DAY: 21st June 2022

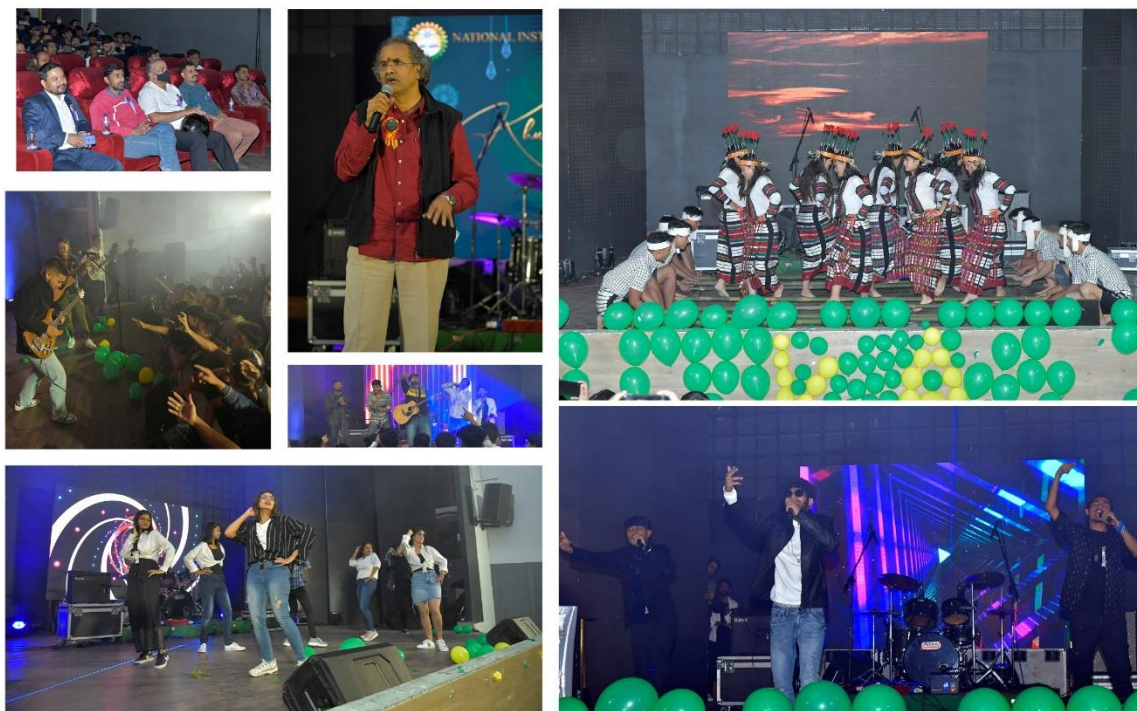
The International Day of Yoga 2022 was celebrated by performing Yoga Poses suggested by Ministry of Aayush. Faculty, staff and students enthusiastically participated in the same. Few photographs of the same are as below.



10.2 KHUSH AAMDEED - NIT MIZORAM'S CULTURAL EVENT 2022

On the **8th of November 2022**, National Institute of Technology Mizoram (NIT Mizoram) witnessed an extraordinary spectacle as the 2k19 undergraduate batch, led by Mr. Rahul Kumar Shah and under the able supervision of Dr. K. Gyanendra Singh, Dean (Student Welfare), NIT Mizoram, organized a scintillating house cultural event called "Khush Aamdeed," a phrase meaning 'Welcome' or 'Swagatam' in several languages. Held at the prestigious Vanapa Hall in Aizawl, this event marked a significant moment in the institution's history as it emerged from the shadow of a 25+ month-long pandemic hiatus. The event was graced by the presence of Prof. S. Sundar, Director, NIT Mizoram, Registrar, Deans, faculty members and non-teaching staff and all the students ranging from Ph. D. scholars to undergraduate students.

"Khush Aamdeed" was not merely an event; it was a celebration of resilience, talent, and unity. It served as a beacon of hope and positivity after the challenging times brought about by the COVID-19 pandemic. NIT Mizoram, through this magnificent house cultural event, set a precedent for the pursuit of excellence, camaraderie, and creativity, reaffirming its commitment to holistic education and fostering a sense of belonging within its diverse community.



10.3 EXTRAMURAL TALKS / LECTURES

National Institute of Technology Mizoram conducted extramural talks / lectures during 8th – 12th August 2022 on the topics: On the Spectral Theorem, Introduction to Hilbert Space Operators, and C* algebras on Von Neuman Algebras Part 1 & Part 2. The resource person for the talks / lectures was Dr. Krunal Krishna Mukherjee, IIT Madras.



10.4 NATIONAL ENGINEERS DAY: 15th September 2022

National Institute of Technology Mizoram organized a one-day seminar on the theme of ‘Smart Engineering for the Better World’ on the occasion of National Engineers Day on 15th September 2022. As a part of the celebrations, a speech competition was also conducted on the topic “Smart Engineering for a Better India”.

10.5 AICTE sponsored Faculty Development Program on COGNITIVE SKILLS, DESIGN AND CRITICAL THINKING: 19th – 23rd September 2022

A 5-day Workshop on “COGNITIVE SKILLS, DESIGN AND CRITICAL THINKING” was organized in the Dept. of Mechanical Engineering, NIT Mizoram in virtual mode sponsored by AICTE. The FDP was a great success with a wide range of participants from across India and abroad (Thailand, Singapore etc.)

About the Institute National Institute of Technology Mizoram was established in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B. Tech, M. Tech & Ph.D. degrees. The institute has been declared as an Institute of National Importance by an Act of Parliament. The Institute has six departments viz. Dept. of Computer Science & Engineering, Civil Engineering, Electronics & Comm. Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Basic Sciences & IES. NIT Mizoram strongly urge to promote Science & Technology through the research activities. The Institute is pursuing to enhance its research and development activities and the faculties and research scholars are the key workforce in achieving excellence in that direction. Faculty members are advised to involve in State-of-the-Art Research & Development in various fields of Science and Technology.	 	PATRON Prof. S Sundar Director, NIT Mizoram Nodal Officer Dr. K. Gyanendra Singh Dean (SW), NIT Mizoram Course Coordinators Dr. K. Lalhminganga, B.E. Dr. Samsat Luman, AP Department of Mechanical Engineering NIT Mizoram Email: lalhminganga.mech@nitma.ac.in Convenor Dr. Shuchi Kaparwan H.O.D. Dept. of EE & ES NIT Mizoram Organizing Committee Prof. Saibal Chatterjee, Dean (Acad.) , NIT Mizoram Dr. Anu Shukla, Dean (R & D) , NIT Mizoram Dr. Ajay Koya, Dean (FW) , NIT Mizoram Dr. Pabitra K. Suman, Assoc. Dean (SW) , NIT Mizoram Dr. Birendra Roy, Assoc. Dean (SW) , NIT Mizoram Dr. Basku Deb, Asst. Prof. ME, NIT Mizoram Dr. Akshita Basu, Asst. Prof. ME, NIT Mizoram
Targeted Participants Faculty members from all CFTIs, Universities, IITs and AICTE approved institutions, colleges.	Organizing AICTE sponsored Five-Day Faculty Development Program on Cognitive Skills, Design and Critical Thinking 19th September- 23rd September, 2022 Importance of FDP The need to teach and develop cognitive learning and Critical thinking skills has become an essential part of today's learning era. Cognitive learning outcomes refer to the intellectual skills possessed by a person. Information about such skills is beneficial for the students as well as the teachers. This information is a source of self-motivation to learn better and to improve the way, style of learning strategy. Critical thinking skills are an active and organized cognitive process that is done to understand ourselves, familiarize ourselves with what is happening around us as well as consider the thinking processes of others. This FDP includes successful academic experts with extensive knowledge of the topic.	
How to Register Registration: Free of cost. Click to join: meet.google.com/wtf-yfca-wxx	Resource Persons Experts from IITs/NTUs/Universities/Institutions	

10.6 SERB-INAIE sponsored a 5-day workshop (Hybrid mode) on INNOVATION, ENTREPRENEURSHIP AND START-UP FOR YOUNG: 26th – 30th September 2022

NIT Mizoram organized SERB-INAIE a 5-day workshop in hybrid mode (Online and offline) went smoothly with participants ranging from research scholars to working professionals and faculty across India. NIT Mizoram invited resource persons from academia, industry, serial entrepreneurs and from the judiciary.

About the Institute National Institute of Technology Mizoram was established in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B. Tech, M. Tech & Ph.D. degrees. The institute has been declared as an Institute of National Importance by an Act of Parliament. The Institute has six departments viz. Dept. of Computer Science & Engineering, Civil Engineering, Electronics & Comm. Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Basic Sciences & IES. NIT Mizoram strongly urge to promote Science & Technology through the research activities. The Institute is pursuing to enhance its research and development activities and the faculties and research scholars are the key workforce in achieving excellence in that direction. Faculty members are advised to involve in State-of-the-Art Research & Development in various fields of Science and Technology.	 	PATRON Prof. (Dr.) S. Sundar Director, NIT Mizoram Course Outline The key takeaways of the workshop shall be: - The many faces of and contexts for entrepreneurship and startup. - What it takes to be an entrepreneur and your own potential to be one. - Importance of IP in entrepreneurship and Start-Up. - Learn to recognize opportunities to generate and assess your own business idea. - The operational issues in developing new business ventures. - Revision of Course Curriculum and course delivery. - How North East can be a startup Hub of India? - Social Entrepreneurship. - Support from Govt of India for innovators, budding entrepreneurs. - Design Thinking and Innovation, etc.
Targeted Participants Faculty members, Research Scholars from all CFTIs, Universities, AICTE approved institutions.	Organizing SERB-INAIE sponsored Five-Day Workshop (Hybrid Mode) on Innovation, Entrepreneurship and Start-Up for Young September 26 - 30, 2022 About the Workshop Launched on 16th January, 2016, the Startup India Initiative has rolled out several programs with the objective of supporting entrepreneurs, building a robust startup ecosystem and transforming India into a country of job creators instead of job seekers. The educational Institutes also need to update their curriculum and course delivery to produce job creators instead of job seekers. NIT Mizoram plans to have a one-week hybrid workshop on "Innovation, Entrepreneurship and Start Up for Young" in collaboration with INAI during September 26-30, 2022. The workshop is aimed at academicians and students of north east India. Due to logistics issues, it is proposed to be in hybrid mode where the experts and the internal participants shall be physically present at NIT Mizoram and the external participants shall be present through online mode.	Course Coordinators Prof. Saibal Chatterjee Dean (Academics), NIT Mizoram. Email: saibal_chatterjee@nitma.ac.in Dr. Surender Ontela FIC Examinations, NIT Mizoram Email: surender.math@nitma.ac.in Organizing Committee Dr. Rudra Sanjay Dhar, Assistant Professor, Dept. of ECE Dr. Anusuy Ghosh, Assistant Professor, Dept. of ECE Dr. Ramesh Kumar, Assistant Professor, Dept. of EEE
How to Register Registration: Free of cost. Fill in the details here: https://docs.google.com/forms/d/e/1FAIpQL8L-yMk42jckKqGQTOANx_nQ8x4l4HXGx-1WfW3d4D29C1g/viewform	All the participants attending offline are required to make their own arrangements for their lodging and boarding.	

10.7 CONSTITUTION DAY: 26th November 2022

National Institute of Technology Mizoram celebrated ‘Samvidhan Diwas (Constitution Day)’ on 26th November 2022. The theme for this year celebration was ‘India-The Mother of

Democracy'. Preamble of the Constitution was read by all faculty and staff on 26th November 2022 at 11 AM in the Administrative Block of NIT Mizoram. The institute also organized a seminar on Constitution Day wherein Prof. Ayangbam Shyamkishor, Department of Political Science delivered a talk on the Indian Constitution.



10.8 Extramural Lecture series by IIT Madras Alumni: 3rd November 2022

National Institute of Technology Mizoram organized an extramural lecture series on topics like Who is a Leader? Importance of Lean & Six Sigma for all Professionals, Role of Optics in Engineering and Cyclones and Disaster Management delivered by a team of Alumni IIT Madras alumni Dr. S. Sowrirajan, Dr. A R Ganesan, Dr. N Ganesan, Dr. S R Ramanan, Mr. S Arumugam, Dr. Ram Mani Parameswaran, and Dr. N Sugavanam, on 3rd November 2022. Director, NIT Mizoram emphasized the importance of alumni association for an institution and how one should pay back / contribute to their alma mater for academic excellence and world-class infrastructure. The guests of honor have addressed various scientific and engineering aspect.



10.9 AICTE sponsored Faculty Development Program on Start-up Business: 21st – 25th November 2022

National Institute of Technology Mizoram organized AICTE a sponsored 5-day workshop on Start-up Business online from 21st November to 25th November 2022.

About the Institute
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Targeted Participants
Faculty members from all CFTIs, Universities, UGC and AICTE approved institutions, colleges.

How to Register
Registration: Free of cost.
Click to register: [Google Form](#)

Importance of FDP
In this era, the idea of startups is on a rise. Each and every day we hear about success stories of new startups. This leads to the rise of a question in our minds of what it feels like to establish a startup or be associated with the same. A few reasons for establishing a startup entrepreneurship are listed as follows: Innovations, Employment opportunities, Bringing new competition into the economy, promoting the research-innovation system. Startups will always have these four strengths. This FDP includes experts from Academia and Industries who are directly or indirectly involved in the idea of startups at their level.

Resource Persons
Experts from IITs/NITs/IMs/Universities/Industries/Law firms.

Organizing Committee
Prof. Satish Chatterjee, Dean (Acad.), NIT Mizoram
Dr. Abhishek Shukla, Dean (R & C), NIT Mizoram
Dr. Ajmal Koya, Dean (SW), NIT Mizoram
Dr. H. Lalithingsanga, BtD, NIE, NIT Mizoram
Dr. Sureshwar Ootula, AP, BS & HSS, NIT Mizoram
Dr. Sachin, AP, BS & HSS, NIT Mizoram

PATRON
Prof. S Sundar
Director, NIT Mizoram

Nodal Officer
Dr. K. Gyanendra Singh
Dean (SW), NIT Mizoram

Course Coordinators
Dr. Bachu Deb
Associate Professor, ME, NIT Mizoram.
Email: bdebnitma@gmail.com
Dr. Bidesh Roy
Associate Professor, ME, NIT Mizoram.
Email: bidesh.999@gmail.com

Convener
Dr. Saurav Suman,
Asst. Prof., Dept. of ME, NIT Mizoram

10.10 Online Talk on ‘Detecting and Interpreting Loss of Clamping Pressure on Transformers’: 29th March 2023

NIT Mizoram in collaboration with IE (India) Mizoram State Centre conducted online talk on “Detecting and Implementing Loss of Clamping Pressure on Transformers”, the speaker for this online talk was Prof. L. Satish, IISc Bangalore on 29th March 2023.

10.11 3rd International Conference on Computational Intelligence and IoT, ICCIIoT 2022: 24th – 25th February 2023

Department of Electronics and Communication Engineering, NIT Mizoram in collaboration with Department of Electronics and Communication Engineering, North Eastern Regional Institute of Science and Technology (NERIST) has organized the 3rd International Conference on Computational Intelligence and IoT (ICCIIoT 2022) in HYBRID mode at

NERIST during 24th – 25th February 2023. The papers from India and abroad was presented in the said conference. Proceeding of the conference was published in SPRINGER.



10.12 Vigilance Awareness Week 2022

NIT Mizoram organized “Vigilance Awareness Week” in the month of November 2022. The various programmes and activities were organized as per the instructions of the Ministry of Education, Govt. of India, namely, pledge taking, and essay writing competition (on the theme ‘Corruption Free India for a Developed Nation’).



10.13 SERB sponsored One-week Karyashala on “Hands on Training on Synthesis and Characterization of Ferroelectrics” (HTSCF): 10th – 17th February 2023

SERB sponsored One-week Karyashala on “Hands on Training on Synthesis and Characterization of Ferroelectrics” (HTSCF) organized by the department of BS&HSS

(Physics) during Feb. 10-17, 2023. The main objectives were to acquaint participants with training on preparation of ferroelectric materials and to study the characterization techniques. Participants from Mizoram University, PUC, NEILIT and NIT Mizoram had attended the said Karyashala. Prof. Alok Shukla was the Convener of the SERB Karyashala.



10.14 Public meeting with the Village Council: 9th November 2022

NIT Mizoram organized a public meeting with the Village Council members at Lengpui on 9th November 2022.



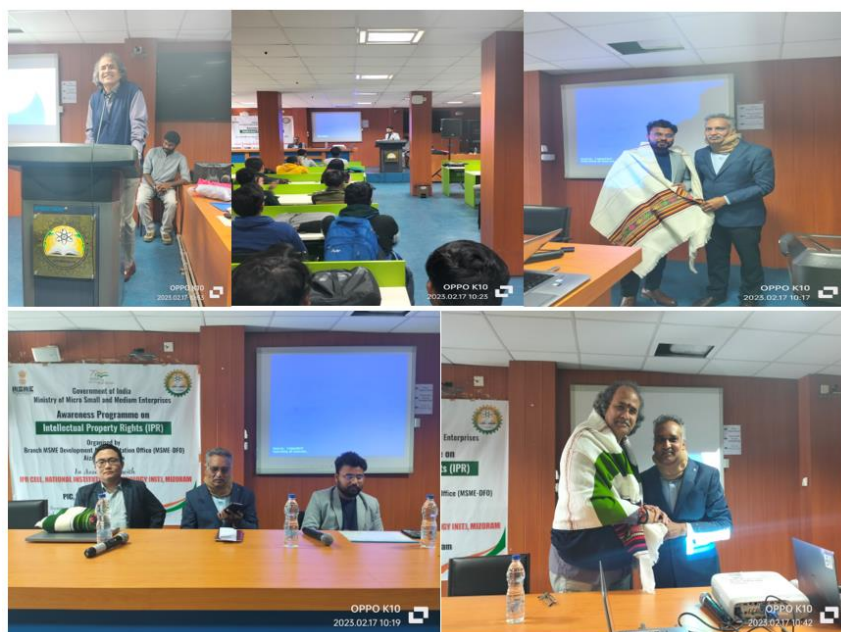
10.15 Expert Lecture on 'Corruption Free India for a Developed Nation': 29th November 2022

On the theme “Corruption Free India for a Developed Nation” by Shri C. Lalsawta, IAS (Retd), Chairperson, Lokayukta Mizoram on 29th November 2022 at Virtual Class Room, NIT Mizoram.



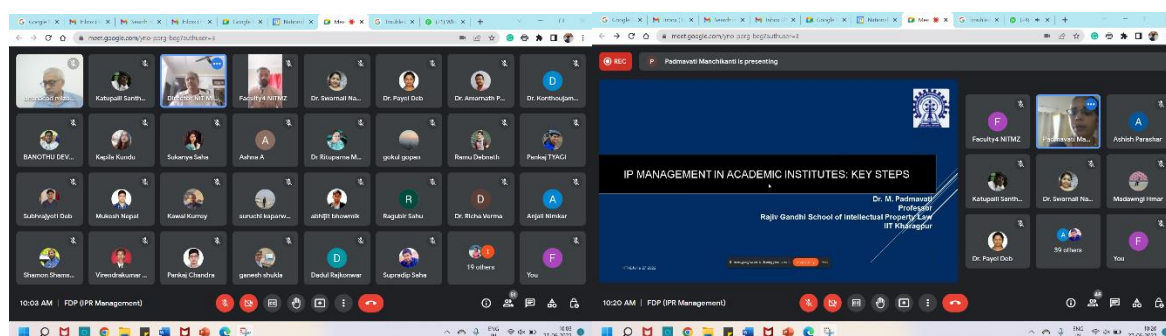
10.16 One Day Seminar on IPR Awareness: 17th February 2023

A one-day awareness programme on IPR was organized by **IIC, NIT Mizoram & IPR CELL, NIT Mizoram** on 17th February 2023 in collaboration with **Branch MSME, Development & Facilitation Office, Aizawl, Mizoram** under the **Ministry of MSME, Govt. of India**, and in association with **State Patent Information Service, Aizawl, Mizoram**. The programme was graced and inaugurated by **Prof. S. Sundar, Director, NIT Mizoram**. **Mr. Tlanzuala**, Project Scientist, State Patent Information Office, Aizawl, Mizoram, **Dr. Saurav Suman**, Faculty In-charge, IPR Cell, NIT Mizoram, and **Mr. K. Saravanan**, Asst. Director, MSME, Aizawl, Mizoram, delivered their talks on Intellectual Property Rights (IPR), Identification of IPRs, Patent filling, Importance of IPR over research publication, and opportunities and policies of MSME, respectively. Around 60 participants from NIT Mizoram and outside NIT Mizoram enthusiastically participated in the event.



10.17 AICTE sponsored Faculty Development Program on IPR Management: 27th – 1st July 2022

An AICTE sponsored 5 days Faculty Development Programme on 'IPR Management' and was successfully conducted from 27th June to 1st July 2022 under the coordination of Dr. Saurav Suman, Asst. Prof., Dept of ME. All the speakers were from top academic institutes such as IIT KGP, IIM Ahmedabad, IIM Raipur and different industries and IP firms such as James & Wells IP firm (New Zealand), Bugatti Rimac (Croatia) etc. Total number of participants was around 93 out of which 12 participants were also from abroad such as Thailand, Croatia, etc.



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Targeted Participants Faculty members from all CITA, Universities, UGC and AICTE approved institutions, colleges.	National Institute of Technology Mizoram Organizing	Course Coordinators Dr. Saurav Suman IPR Coordinator, IIC, NIT Mizoram. Email: saurav.suman@nitmiz.ac.in Dr. Shuchi Head of Department, BS & HSS, NIT Mizoram Email: shuchi.hss@nitmiz.ac.in
How to Register Registration: Free of cost. Click to register: Google form	Importance of FDP Intellectual Property (IP) is one of the most important assets for research institutes or industries. Therefore, it is critically important to identify it, document it, protect it and in some cases, register it. All of the activity takes a team of technical writers, technology managers, and executives. They collectively ensure things don't fall through the cracks as there is much to keep track of. Good IP management also requires the development of a strategy in order to balance the cost involved in registering IP against the protection that will be required in markets you are in or plan to develop. This FDP includes experts from Academics and Industries who are directly or indirectly involved in IPR Management at their level.	Convener Dr. Bachu Deb, Asst. Prof., Dept. of ME, NIT Mizoram Dr. Sushanta Bordoloi Asst. Prof., Dept. of ECE, NIT Mizoram
Resource Persons Experts from IITs/NITs/UTs/Universities/Industries/Law firms.	Organizing Committee Prof. Sathish Chatterjee, Dean (Acad.), NIT Mizoram Dr. Elakshika, Dean (R & C), NIT Mizoram Dr. Ajmal Koya, Dean (FW), NIT Mizoram Dr. Bishesh Roy, Assoc. Dean (SW), NIT Mizoram Dr. E. Lalithasangeeta, Asst. Prof., NIT Mizoram Dr. Rameshwar Das, Asst. Prof., NIT Mizoram Dr. Sandeep Kumar Dash, Asst. Prof., NIT Mizoram	

10.18 One-month training programme under Vritika Scheme: 6th February 2023 – 7th March 2023

Department of Basic Sciences & HSS (Chemistry), National Institute of Technology Mizoram organized a **one-month Training and Skill Internship Program on 'Effects of Additives on Self-Assembly of Surfactants'** to the selected students. The program was supported by Vritika Scheme, Accelerate Vigyan, Science & Engineering Research Board. The program was held during 06th February to 7th March 2023. Prof. Ajmal Koya Pulikkal was the event organizer.



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)

Sl. No.	Name of Principal Investigator	Title of Project	Sponsored By	Amount Sanctioned (Rs)	Date of		Duration
					Start	Completion	
1	Chaitali Koley	Shallow Water Image Enhancement Using Deep Learning	ART (AI & Robotics Technology) Park, IISc Bangalore	4,20,000	01/09/2021	31/09/2022	1 Y

11.2.2 Sponsored Research Projects Ongoing

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

1	Saibal Chatterjee	Study Of The Condition Monitoring Techniques Of Dry Transformers	DST – CRG	43,88,162	19/01/2023	18/01/2026	3 Y
2	Rudra Sankar Dhar	Development of QWB Strained channel Nanowire GAA FET for superfast switching	DST – SERB	26,17,760	19/01/2023		3 Y
3	Chaitali Koley	Design and Analysis of RF Section for Ka-band Vacuum Electronics Devices	IITG TI&DF, DST	58,00,000	21/02/2022		3 Y
4	Chaitali Koley & Sushanta Bordoloi	A Low Power Edge Enabled Smart and Precision Agriculture Ecosystem	MeiTY	1,09,00,000	22/05/2023		5 Y
5	Sushanta Bordoloi	Development of a portable neonatal intensive care unit for newborn puppies	Assam Agriculture University	10,63,000	18/05/2023		3 Y
6	Saurav Suman	Design and Development of an ROV to perform underwater welding and repairs	TIDF under DST	40,00,000	10/2022	10/2025	3 Y
7	H. Lalmingsanga	Gasification of agro residue and municipal solid waste for decentralized power generation	DIA-COE, DRDO	77,00,400	2023	2026	3 Y

8	Ajmal Koya Pulikkal	Efficient Synthesis of Organic Compounds: Effects of Self-Assembled Systems of Cationic Conventional and Gemini Surfactants	DST-SERB	23,56,000.00	09/02/2023	08/02/2026	3 Y
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11.3 Chapters Contributed in Edited Books (International)

<i>Department of Computer Science & Engg.</i>							
Name of Faculty	Title of Chapter	Name of Book	Vol.	No.	Year	Page Nos.	ISBN / DOI
Ranjita Das (on-Lien)	Mizo News Classification Using Machine Learning Techniques	Evolution in Computational Intelligence. FICTA 2022. Smart Innovation, Systems and Technologies	326	2023			https://doi.org/10.1007/978-981-19-7513-4_50
	Ship Detection from Satellite Images with Advanced Deep Learning Model (Single Shot Detector (SSD))	Intelligent Data Engineering and Analytics. FICTA 2022. Smart Innovation, Systems and Technologies,	327	2023			https://doi.org/10.1007/978-981-19-7524-0_30
	Transfer Learning-Based Advanced Deep Learning Architecture for the Identification of HIV-1 Integration Sites Using Imbalanced Dataset	Intelligent Data Engineering and Analytics. FICTA 2022. Smart Innovation, Systems and Technologies	327	2023			https://doi.org/10.1007/978-981-19-7524-0_42
	Deep Learning Based Bengali	Key Digital Trends	671	2023			https://doi.org/

	Image Caption Generation	Shaping the Future of Information and Management Science. ISMS 2022. Lecture Notes in Networks and Systems					10.1007/978-3-031-31153-6_5
	Single-Cell RNA Sequence Data Analysing Using Fuzzy de Based Clustering Technique	Advances in Distributed Computing and Machine Learning. Lecture Notes in Networks and Systems	427	2023			https://doi.org/10.1007/978-981-19-1018-0_41
	MathIRs: A One-Stop Solution to Several Mathematical Information Retrieval Needs	Proceedings of International Conference on Frontiers in Computing and Systems. Lecture Notes in Networks and Systems	404	2023			https://doi.org/10.1007/978-981-19-0105-8_17
	An Abstractive Text Summarization Using Recurrent Neural Network	Computational Linguistics and Intelligent Text Processing. CICLing 2018. Lecture Notes in Computer Science	1339 7	2023			https://doi.org/10.1007/978-3-031-23804-8_29

11.4 Publication in International Journals

Department of Electrical & Electronics Engg.							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Saibal Chatterjee	Review on monitoring of	Results in Optics	10		2023		10.1016/j.rio.2023.10

	transformer insulation oil using optical fiber sensors						0361
	Experimental investigation on breakdown performance of coconut oil for high voltage application	21	2023				10.1016/j.epsr.2022.108856
	The effects of non-standard lightning impulse on electrical insulation: a review	104	2022	6	4239-4254		10.1007/s00202-022-01616-2
	Lightning impulse breakdown performance of saturated vs unsaturated vegetable oil and their mixtures with mineral oil	184	2022				10.1016/j.indcrop.2022.115044
	Coconut oil for utility transformers – Environmental safety and sustainability perspectives	164	2022				10.1016/j.rser.2022.112572
Anagha Bhattacharya	A compact triple band circular polarized slotted microstrip patch antenna with low frequency ratio	32	2022	12	e23410		https://doi.org/10.1002/mmce.23410
	A fuzzy based improved power sharing methodology for islanded microgrid with hybrid sources	217	2022		109069		https://doi.org/10.1016/j.epsr.2022.109069
	Frequency switchable global RFID tag antennae with metal compatibility for worldwide vehicle transportation	23	2023	8	3854		https://doi.org/10.3390/s23083854
Pabitra Kumar Biswas	Modern DC-DC Power Converter Topologies and Hybrid Con-trol Strategies for Maximum Power Output in Sustainable Nanogrids and Picogrids – A	11		4	2023		https://doi.org/10.3390/technologies11040102

	Comprehensive Survey								
	Design and Control of Multicoil Active Magnetic Bearing System for High-Speed Application	Energies	16	11			2023	https://doi.org/10.3390/en16114447 .	
	Active Magnetic Bearing System Using I-Type and U-Type Actuator	IEEE Access	11				2023	10.1109/ACCESS.2023.3276324,2023	
	Bidirectional converter based on G2V and V2G operation with time of usage-based tariff analysis and monitoring of charging parameters using IoT	Energy Report						doi.org/10.1016/j.egy.2023.04.358 ,2023, PP 5404-5419.	
	Design and speed control of U-type 3-coil active magnetic bearing	Electrical Engineering					2023	https://doi.org/10.1007/s00202-023-01838-y	
	An improved parametric method for selecting different types of tesla transformer primary coil to construct an artificial lightning simulator	IEEE Access					2023	doi: 10.1109/ACCESS.2023.3250181	
	Metaheuristic Optimization Techniques used in controlling of an Active Magnetic Bearing System for High-Speed Machining Application	IEEE Access					2023	DOI: 10.1109/ACCESS.2023.3241854	
	Control of an active magnetic bearing system using swarm intelligence-based optimization techniques	Electrical Engineering					2023	https://doi.org/10.1007/s00202-022-01707-0	
	Modelling, simulation and performance comparison of different membership functions	The Journal of Eng. (2022).					2022	tps://doi.org/10.1049/tje2.12229	

	based fuzzy logic control for an active magnetic bearing system.									
	Comprehensive Review on Charging Solution of Electric Vehicle-An Internet of Things Based Approach	International Journal of Electric and Hybrid Vehicles,				2022			10.1504/IJEHV.2022.10052147.	
	Hunting Based Optimization Techniques used in Controlling an Active Magnetic Bearing System	IEEE Access				2022			doi:10.1109/ACCESS.2022.3182875	
Department of Electronics & Communication Engg.										
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI			
Rudra Sankar Dhar	Estimation of Power Loss Due to Fiber Nonlinearities in An All Optical Transmission System: with Special Emphasis to Stimulated Raman Scattering	Nonlinear Optics, Quantum Optics, Old City Publishing			April 2022					
	Improvement Analysis of Leakage Currents with Stacked High-k/Metal Gate in 10-nm Strained Channel HOI FinFET	Journal of Nano- and Electronic Physics, Sumy State Univ	14	2	May 2022					
	Effect of Channel Material on the Performance Parameters of GAA MOSFET	Journal of Nano- and Electronic Physics, Sumy State Univ.	14	2	May 2022					
	Modeling and Implementation of Double Gate n-channel FET with Strain Engineered Tri-Layered Channel System for Enriched Drain Current	Journal of Nano- and Electronic Physics, Sumy State Univ	14	2	May 2022					
	A Novel Approach to Stabilize a Dexterous Arm Model for Quadriplegic People Using	Journal of East China University of Science and Technology	65	2	2022					

	Evolutionary Algorithms.							
	Characterization of Short Channel Effects for 14 nm Tri-Layered Strained Channel HOI FinFET using High-K dielectric materials.	14	2	Oct 2022				
	Design of 8T SRAM using 14nm FINFET Technology			Oct 2022			0033-2097	
	Performance Parameter Analysis and Estimation of High-K Induced Three Fin SOI n-FinFET at 14 nm Gate Length	14		Oct 2022			1753-2515	
	Design and Analysis of Tri-Layered Strained Channel HOI CGAA FETs.	14		Oct 2022			1753-2515	
	A Two-Stage Optimal Scheduling Strategy of Hybrid Energy System integrated Day-ahead Electricity Market	-	-	Jan 2023	-		10.1504/IJESD.2023.10054534.	
	UNet MobileNetV2: Medical Image Segmentation using Deep Neural Network (DNN)	18	01	Jan 2023	21-29			
	Design Studies of Re-Entrant Square Cavities for V-Band Klystrons	12	-	Dec 2022	2023		https://doi.org/10.33390/electronics12010006 .	
	A Comprehensive Analysis of Energy Efficiency Using Cooperative Spectrum Sensing Network.	129	-	641-661	Dec 2022		https://doi.org/10.1007/s11277-022-10123-3	
	Design of the Radio Frequency	11	-	3781	Nov 2022		10.3390/electronics	

Anumoy Ghosh	Section of a Ka-Band Multiple Beam Ladder-Type Extended Interaction Klystron						11223781
	Active Metasurface-based Reconfigurable Polarization Converter with Multiple and Simultaneous Functionalities	22	-	1-5	Nov 22		10.1109/LAWP.2022.3217130
	A Brief Review on mm-Wave Antennas for 5G and beyond applications.	40	-	397-422	Sep 2022		10.1080/02564602.2022.2121771
	Design of a Wide Band Antenna with Defected Ground Structure for mm wave System on Chip Applications	28	-	Aug 2022	2487-2497		10.1007/s00542-022-05357-x
	Optimal Bidding Strategy for Social Welfare Maximization in Wind Farm Integrated Deregulated Power System using Artificial Gorilla Troops Optimizer Algorithm	10	-	June 2022	71450-71461		10.1109/ACCESS.2022.3186519
	Design and characterization of 10-elements MIMO antenna with improved isolation and radiation characteristics for mm-wave 5G applications	10		2022	125086 - 125101		10.1109/ACCESS.2022.3225446
	Low-profile bandwidth and E-plane radiation pattern reconfigurable patch antenna for sub-6 GHz 5G applications	157		2022	154415		https://doi.org/10.1016/j.aeeu.2022.154415
	A compact triple band circular polarized slotted microstrip patch antenna with low frequency ratio	32	12	2022	e23410		https://doi.org/10.1002/mmce.23410

	Compact quad band MIMO antenna design with enhanced gain for wireless communications	Sensors	22	19	2022	7143	https://doi.org/10.3390/s22197143
	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 antennae with metal compatibility for worldwide vehicle transportation	Sensors	23	8	2023	3854	https://doi.org/10.3390/s23083854
<i>Department of Computer Science & Engg.</i>							
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI
Ranjita Das (on-lien)	CaDenseNet: a novel deep learning approach using capsule network with attention for the identification of HIV-1 integration site	Neural Comput & Application	35		2023	17113-1712	https://doi.org/10.1007/s00521-023-08585-y
	Single document text summarization addressed with a cat swarm optimization approach	Appl Intell	53		2023	12268-12287	https://doi.org/10.1007/s10489-22-04149-0
	An improved Fuzzy based GWO algorithm for predicting the potential host receptor of COVID-19 infection	Computers in Biology and Medicine	151		2023		https://doi.org/10.1016/j.combiomed.2022.106050
	Intelligent Multimodal pedestrian detection using hybrid meta heuristic optimisation with deep	Image and Vision Computing	131		2023		https://doi.org/10.1016/j.imavis.2023.104628

	learning model								
	Identifying Colorectal Tumor For Single Cell RNA Sequence Using Rectified Linear Unit With Stochastic Gradient Descent	Procedia Computer Science	218	189-198	2023			1877-0509	
	An Evaluation of Deep Learning-Based Object Identification.	International Journal on Recent and Innovation Trends in Computing and Communication	10	52-80	2022			https://doi.org/10.17762/ijritcc.v10i1s.5795	
	Extractive Text Document Summarization using adaptive binary Constrained multi-objective differential evaluation	Innovations system software			2022			doi.org/10.1007/s11334-022-00474-2	
Vaibhav Malviya	Socialist 3D Tracking of Humans from a mobile robot for a “human following robot” behaviour	Robotics		1407-1435	2023			https://doi.org/10.1017/S0263574722001795	
Department of Mechanical Engg.									
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI		
Saurav Suman	Microstructural, Strength and Residual Stress Studies on Single- and Double-Side Single Pass Submerged Arc Welding of 9Cr- 1Mo-V Steel plate.	Journal of the Institution of Engineers (India): Series C	103		2022	1177-1191	https://doi.org/10.1007/s40032-022-00870-4		
H. Lalhmingsanga	Development and performance investigation of a novel solar-biomass hybrid dryer	Applied Thermal Engineering	211		2022	118492	https://doi.org/10.1016/j.applthermaleng.2022.118492		
	Prediction of species concentration in syngas produced through gasification of different bamboo biomasses: a numerical approach	International Journal of Energy and Environmental Engineering	13		2022	1383-1394	https://doi.org/10.1007/s40095-022-00492-7		

Bachu Deb	A comprehensive review of fluidized bed drying: Sustainable design approaches, hydrodynamic and thermodynamic performance characteristics, and product quality	Sustainable Energy Technologies and Assessments	53		2022	102643	https://doi.org/10.1016/j.seta.2022.102643
	Design and Development of Solar Assisted Fluidized Bed Dryer Integrated with Liquid Desiccant Dehumidifier: Theoretical Analysis and Experimental Investigation	Energy Conservation and Management	270		2022	116281-14	https://doi.org/10.1016/j.enconman.2022.116281
	Investigation of osmosonication Pretreated Chili (Capsicum frutescens L.) drying in solar-assisted fluidized bed dryer utilizing dehumidified Air	Journal of Food Process Engineering	46		2023	1-13	https://doi.org/10.1111/1/jfpe.14351
Bidesh Roy	Forecasting ethanol demand in India to meet future blending targets: A comparison of ARIMA and various regression models	Energy Reports	9 Sup 1		2023	411-418	https://doi.org/10.1016/j.egy.2022.11.038
	Effects of plastic-grocery-bag derived oil-water-diesel emulsions on combustion, performance and emission characteristics, and exergoeconomic aspects of compression ignition engine	Sustainable Energy Technologies and Assessments	54		2023	102877	https://doi.org/10.1016/j.egy.2022.11.038
	Identification and prioritization of barriers and drivers for achieving ethanol blending target in India using Delphi-PESTEL-Fuzzy-	Environment, Development and Sustainability	In press		2022		https://doi.org/10.1007/s10668-022-02717-5

	AHP method								https://doi.org/10.1007/s10098-022-02298-x
	Optimizing pyrolysis process parameters of plastic grocery bag, with mass–energy assessment and characterization of oil at optimal condition	Clean Techn Environ Policy	24		2022		1927–1944		
Sukanta Roy	Numerical Analysis of H-Darrieus Vertical Axis Wind Turbines with Varying Aspect Ratios for Exhaust Energy Extractions	Energy	277		2023		127739		https://doi.org/10.1016/j.energy.2023.127739
Department of Civil Engg.									
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI		
Kumar Raja Vanapalli	Development of Rice Straw-derived Biochar-Bentonite Composite and its Application for in situ Sequestration of Ammonium and Phosphate Ions in the Degraded Mine Soil	Environmental Management	71		2023	1065–1086	https://doi.org/10.1007/s00267-022-01775-9		
	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		
	Charting success for the Plastics Treaty.	One Earth	6		2023	575–581	https://doi.org/10.1016/j.oneear.2023.05.022		
	Influence of binder materials and alkali activator on the strength and durability properties of geopolymer concrete: A review	Mater. Today: Proc.			2023		https://doi.org/10.1016/j.matpr.2023.05.226		
	Fly ash, GGBS, and silica fume	Construction and	378		2023	131168	https://doi.org/10.1016/j.constr.2023.131168		

Bijayananda Mohanty	based geopolymers concrete with recycled aggregates: Properties and environmental impacts	Building Materials					6/j.conbuildmat.2023.131168
	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		Accepted
	Influence of Binder Materials and Alkali Activator on the Strength and Durability Properties of Geopolymer Concrete: A Review.	Materials Today: Proceedings			2023	Accepted	Accepted
	Evaluating Biodegradation Potential of Swine Waste through Rotary Drum Composting utilizing Different Bulking Agents	Bioresource Technology (BITE)			2023	Accepted	Accepted
	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 (SCI/SCI-E, Impact Factor: 2.8)
	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	1-17	https://doi.org/10.1016/j.jhazmat.2023.131387 (SCI/SCI-E, Impact Factor: 13.6)
	Fly Ash, Ground Granulated Blast Furnace Slag (GGBS), and Silica Fume based Geopolymer Concrete with Recycled Aggregates: Properties and	Construction and Building Materials	378	-	2023	1-15	https://doi.org/10.1016/j.conbuildmat.2023.131168 (SCI/SCI-E, Impact Factor: 7.4)

	Environmental Impacts								
	Assessment of Testing Method Influence on Swelling Characteristics of Expansive Soils of India	Arabian Journal of Geosciences	15	12	2022	1-14	10.1007/s12517-022-10358-1 (SCI/SCI-E, Impact Factor: 1.827)		
Ricky Lalthazuala	Impact of unplanned urbanization on surface water quality of the twin cities of Telangana state, India	Marine Pollution Bulletin	185		2022	114324	https://doi.org/10.1016/j.marpolbul.2022.114324		
Department of Basic Sciences & HSS									
Name of Faculty	Title of the Paper	Journal	Vol.	No.	Year	Page Nos.	ISSN / DOI		
Surender Ontela	Entropy analysis of hybrid nanofluid flow in a porous medium with variable permeability considering isothermal/isoflux conditions	Chinese Journal of Physics	80		2022	239-252	https://doi.org/10.1016/j.cjph.2022.10.001		
	Thermodynamic analysis of Rigaplate effect on nanofluid flow in porous medium with nonlinearly varying permeability	Progress in Computational Fluid Dynamics, an International Journal	23		2023	249-260	https://doi.org/10.1504/PCFD.2023.132220		
	Mathematical modelling of heat and solutal rate with cross-diffusion effect on the flow of nanofluid past a curved surface under the impact of thermal radiation and heat source: Sensitivity analysis	ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte Mathematik und Mechanik			2023	e202300077	https://doi.org/10.1002/zamm.202300077		
	Clay-polymer nanocomposites for water and wastewater treatment: A comprehensive review	Chemosphere	307		2022	135869-135890	10.1016/j.chemosphere.2022.135869		
Ajmal Koya Pulikkal	Preparation, stability and biological activity of essential oil-	OpenNano	8		2022	100066-100086	10.1016/j.onano.2022.100066		

	based nano emulsions: A comprehensive review							
	Clay-gemini surfactant hybrid materials for elimination of inorganic pollutants: A comprehensive review	4	2022		100586-100603	10.1016/j.rechem.2022.100586		
	Interaction of metanil yellow dye with cationic surfactants: Conductometric and spectroscopic studies	368	2022		120653-120662	10.1016/j.molliq.2022.120653		
	Impact of unplanned urbanization on surface water quality of the twin cities of Telangana state, India	185	2022		114324-114335	10.1016/j.marpolbul.2022.114324		
	Water quality assessment of open wells in Malappuram district, Kerala	71	2022		1325-1331	10.2166/aqua.2022.095		
	Research Progress on the Synthesis of Different Types of Gemini Surfactants with a Functionalized Hydrophobic Moiety and Spacer	7	2022		1-37	10.1002/slct.202203485		
	Effective adsorption of polycyclic aromatic Congo red dye by modified garlic peel	xx	2023		xxx-xxxx	10.1080/01932691.2023.2181180		
	Bio-fiber recovery from industrially discarded shoot waste (Cymbopogon nardus): a comprehensive study for reinforcement in sustainable composites	xx	2023		xxx-xxxx	10.1007/s13399-023-04038-7		

Konthoujam Gyanendra Singh	Socio-Economic Considerations and Stakeholders' Attitudes Towards Conservation and Management of Wetland Ecosystem: A Case Study	International Journal of Ecological Economics and Statistics	43		2022	29 - 46	
	Farmer producer organisation's implementation aiming at boosting of agricultural growth	NeuroQuantology	20	9	2022	187-197	10.14704/nq.2022.20.9.NQ440021
Alok Shukla	Facile synthesis and characterization of Ag(NP)/TiO ₂ nanocomposite: Photocatalytic efficiency of catalyst for oxidative removal of Alizarin Yellow	Catalysis Today	388-389		2022	125-133	ISSN 0920-5861
	Structural, electrical and ferroelectric characteristics of lead-free ceramic: Bi(Fe _{0.85} Gd _{0.15})O ₃	Ferroelectrics	587		2022	174-189	ISSN 0015-0193
	The structural and dielectric properties of Bi(Fe _{0.95} Sm _{0.05})O ₃ ceramic	Ferroelectrics	588		2022	10-17	ISSN 0015-0193
	Structural and electrical characteristics of La ³⁺ and Ti ⁴⁺ co-doped BiFeO ₃	Journal of International Academy of Physical Sciences	26	4	2022	443-456	ISSN 0974 – 9373

11.5 Seminars / Conferences organized

Department of Electronics & Communication Engineering							
Name of Faculty	Role	Name of Seminar / Conference	Sponsored by/ Support received from	Venue	From	To	Duration
Sushanta Bordoloi	Organizing Chair cum Secretary	3 rd International Conference on Computational Intelligence & IoT	IAASSE	NERIST	24.02.2023	25.02.2023	2 days
Department of Computer Science & Engineering							
Name of Faculty	Role	Name of Seminar / Conference	Sponsored by/ Support received from	Venue	From	To	Duration
Ranjita Das (on-lien)	Coordinator / Convener / Chairman, etc.	FICTA 2022	Innovation Consultancy	NIT Mizoram	18/06/2021	19/06/2021	2 Days
Sandeep Kumar Dash	Coordinator / Convener / Chairman, etc.	FICTA 2022	Innovation Consultancy	NIT Mizoram	18/06/2021	19/06/2021	2 Days

11.6 Workshops / STTP / FDP organized

Department of Electronics & Communication Engineering							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Chaitali Koley	Coordinator	Sensors Applications	NIT Mizoram	NIT Mizoram	20/03/2023	24/03/2023	5 days
	Coordinator	Underwater Communication: Technologies and	Indian Institute of Technology Guwahati	NIT Mizoram	18/10/2022	22/10/2022	5 days

			Technology Innovation and Development Foundation (IITG TI&DF), DST(GOI)					
Sushanta Bordoloi	Convener	Sensors Applications	NIT Mizoram	NIT Mizoram	20/03/2023	24/03/2023	5 days	
	Convener	Underwater Communications: Technologies and Opportunities	Indian Institute of Technology Guwahati Technology Innovation and Development Foundation (IITG TI&DF), DST(GOI)	NIT Mizoram	18/10/2022	22/10/2022	5 days	
	Convener	Five Days Faculty Development Programme on IPR Management	AICTE ATAL	NIT Mizoram	27/06/2022	01/07/2022	5 days	
Department of Computer Science & Engineering								
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration	
Ranjita Das (on-lien)	Coordinator	Five days online Workshop on “AI & HPC” Novel Materials		NIT Mizoram	25/07/2022	29/07/2022	5 Days	
Department of Mechanical Engineering								

Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Saurav Suman	Coordinator	FDP on 'Cognitive skills, design thinking and critical thinking'	AICTE	NIT Mizoram	19-09-2022	24-09-2022	1 week
	Coordinator	FDP on 'IPR Management'	AICTE	NIT Mizoram	27-06-2022	01-07-2022	1 week
Bachu Deb	Coordinator	FDP on Start-up Businesses	AICTE	NIT Mizoram	21/11/2022	25/11/2022	1 week
Bidesh Roy	Coordinator	FDP on Start-up Businesses	AICTE	NIT Mizoram	21/11/2022	25/11/2022	1 week
Department of Civil Engineering							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Ricky Lalthazuala	Convener	Sustainable Construction and Earthquake Resistant Design of Structures on Hilly Slopes	Tata Tiscon-1,50,000/-; CSI Engg. Software Pvt. Ltd. – 50,000/-; Aimil Ltd. – 80,000/-	Hotel Regency, Aijal Club	31 st March 23	5 th April 23	5 Days
Department of Basic Sciences & HSS							
Name of Faculty	Role	Title of FDP / STTP / Workshop	Sponsored by / Support Received from	Venue	From	To	Duration
Alok Shukla	Coordinator	Hands on Training on Synthesis and Characterization of Ferroelectrics	SERB, New Delhi	Physics, Research Lab, NIT Mizoram	10/02/2023	17/02/2023	7 days

Shuchi	Convener	One week's Faculty development programme on Social Entrepreneurship	AICTE	On-line mode	10/06/2022	16/06/2022	7 days
	Coordinator	One week's Faculty development programme on "IPR Management	AICTE	On-line mode	27/06/2023	03/07/2022	7 days
	Convener	One week's Faculty development Programme on Cognitive skills, Design and Critical Thinking	AICTE	On-line mode	19/09/2022	23/09/2022	7 days

11.7 Seminars / Conferences attended or participated.

<i>Department of Electrical & Electronics Engineering</i>							
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Saibal Chatterjee	Application of Intelligent Programmed Genetic Algorithm for Price Forecasting in Green Day-Ahead Market of Indian Energy Exchange	10th International Conference on Frontiers in Intelligent Computing:		2022			10.1007/978-981-19-7513-4_40

		Electronics, ICDCECE 2022							
	Enhancement of Power Quality by mitigating of sag and swell problem in power system using DVR	7th International Conference on Advances in Control and Optimization of Dynamical Systems, ACODS 2022 Silchar, Assam		2022				10.1016/j.ifac ol.2022.04.02 2	
Suman Majumder	Benefits of a Solar-Powered Electric Vehicle Charging Station at the Workplace in India	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	IEEE	2022				10.1109/PED ES56012.202 2.10079981	
Pabitra Kumar Biswas	Full-Bridge DC-DC Converter and Boost DC-DC Converter with Resonant Circuit for Plug-in Hybrid Electric Vehicles	International Conference on Intelligent Controller and Computing for Smart Power (ICICCS- 2022)	Sreenidhi Institute of Science And Technology Hyderabad	21 July 2022	23 July 2022				

	Classical Control Techniques Used in Controlling of An Active Magnetic Bearing System	IEEE Asian Conference on Innovation in Technology (ASAINCON 2022)		26 August 2022	28 August 2022	Pune	
	Bi-directional EV Charging for Grid to Vehicle and Vehicle to Grid and Battery Monitoring System using IoT in Simulink”	2022 IEEE International Conference on Disruptive Technologies for Multi- Disciplinary Research and Applications (CENTCON- 2022)		22 December 2022	24 December 2022	Bengaluru	
Department of Electronics & Communication Engineering							
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any
Rudra Sankar Dhar	Design of PERC Cell using SiO ₂ , Si ₃ N ₄ , and Al ₂ O ₃ with the Novel technique for enhanced absorption of silicon selective emitter for solar cell processing	Nano- electronics Nano- photonics, Nano- materials, Nano- bioscience and Nanotechnology (5NANO)	IEEE	28/04/2022	29/04/2022	Kottayam, Kerala, India	Proc. IEEE

	Development and Analysis of InGaAs Nanowire Junctionless MOSFET with 10 nm gate length	IEEE International Conference ICICCSP-2022	IEEE	21/07/2022	23/07/2022	Hyderabad, India	Proc. IEEE,
	Performance of vertical Van der Waals JLFET in 8nm channel length	IEEE EDKCON-2022 Conference	IEEE	26/11/2022	27/11/2022	Kolkata, India,	Proc. IEEE
	Two dimensional modeling of dual material double gate TFET in stacked hetero-dielectrics with split high-K materials	IEEE EDKCON - 2022 Conference	IEEE	26/11/2022	27/11/2023	Kolkata, India	IProc. IEEE
Chaitali Koley	Spectral Efficiency Analysis Using Underlay Cognitive Radio Transmission over Rician Fading Channels	4th International IEEE Conference on Computing and Communications Systems (I3CS)	IEEE	16/03/2023	18/03/2023	Shillong, India	DOI: 10.1109/I3CS 58314.2023.10127544.
	Investigation of an Alternate method for disease detection using a liquid CSRR Sensor	IEEE international conference on Intelligent Technologies (CONIT 2023)	K. L. E. Institute of Technology , Hubballi, Karnataka, India.	23/06/2023	23/06/2023	Hubballi, Karnataka, India.	IEEE xplore
	Metasurface based reflective polarization converter with	IEEE International	MNNIT ALLAHAB	24/03/2023	26/03/2023	MNNIT ALLAHAB	IEEE xplore

wideband and high-efficiency functionalities	Conference on Microwave, Antenna and Communication (MAC 2023)	AD.				
Blockchain-based clean and green energy (Pico Hydel Power) Monitoring System	International Conference in Communication, Devices, and Networking (ICCDN-2022)	Sikkim Manipal Institute of Technology, Sikkim, India.	16/12/2022	17/12/2022	Sikkim Manipal Institute of Technology, Sikkim, India.	http://dx.doi.org/10.2139/ssrn.4386492
Biological Liquid Monitoring using Microwave Resonator	IEEE Conference URSI Regional Conference on Radio Science (URSI-RCRS 2022)	IIT, Indore	01/12/2022	04/12/2022	IIT, Indore	DOI: 10.23919/URSI-SI-RCRS56822.2022.10118568
Post-sunset Scintillation on NavIC Signals during Equinoctial Periods of 2021-2022	IEEE Conference URSI Regional Conference on Radio Science (URSI-RCRS 2022)	IIT, Indore	01/12/2022	04/12/2022	IIT, Indore	DOI: RCRS56822.2022.10118572

	Studies on NavIC Timing Capabilities using Geodetic and Compact GNSS receivers	2022) IEEE Conference URSI Regional Conference on Radio Science (URSI-RCRS 2022)	IIT, Indore	01/12/2022	04/12/2022	IIT, Indore	DOI: RCRS56822. 2022.101185 72		
	Design and Simulation of Coaxial Re-entrant cavities for ka-band Multibeam Klystron	International IEEE Conference on Smart and Sustainable Technologies in Energy and Power Systems (SSTEPS 2022)	Central University of Haryana, India	07/11/2022	09/11/2022	Central University of Haryana, India	DOI: 10.1109/SST EPS57475.20 22.00088.		
	Total Error Rate and Average channel Throughput Analysis in Fading Channels	International IEEE Conference on Smart Electronics and Communicati on (ICOSEC 2022)	Kongunadu college of Engineering and Technology , Trichy, India	20/10/2022	22/10/2022	Kongunadu college of Engineering and Technology, Trichy, India	DOI: 10.1109/ICO SEC54921.20 22.9952094.		
	Wind Energy and Pumped Hydro Storage Integrated	International IEEE	Rajiv Gandhi	29/07/2022	31/07/2022	Rajiv Gandhi	DOI: 10.1109/ICN		

	Power System Risk Analysis using VaR and CVaR	Conference on Next Generation Intelligent Systems (ICNGIS 2022)	Institute of Technology , Kerala, India				Institute of Technology, Kerala, India	GIS54955.20 22.10079824.
	Design and Analysis of a Metamaterial Based Butterworth Microstrip Filter	International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022)	NIT Mizoram, India	18/06/2022	19/06/2022		NIT Mizoram, India	https://doi.org/10.1007/978-981-19-7524-0_17
	Hybrid Energy Systems Integrated Power System Imbalance Cost Calculation using Moth Swam Algorithm	International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022)	NIT Mizoram, India	18/06/2022	19/06/2022		NIT Mizoram, India	DOI: 10.1007/978-981-19-7524-0_5
	Performance of Low-cost, Dual-frequency GNSS Modules for Ionospheric Studies	International IEEE Conference on Union Radio-Scientifique Internationale /International Union of	Gran Canaria, Canary Islands, Spain	29/05/2022	03/06/2022		Gran Canaria, Canary Islands, Spain	DOI:10.1109/InCAP52216.2021.9726439

		Radio Science (3rd URSI AT-AP- RASC)							
Sushanta Bordoloi	On-board Health Prognosis of Lithium-Ion Battery Based on the Estimation of Internal Resistance Under Resistive and Inductive Loading Conditions	Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	21/04/2022	22/04/2022	Bhilai, India	https://ieeexplore.ieee.org/abstract/document/9807976			
Department of Computer Science & Engineering									
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any		
Ranjita Das (on-lien)	An efficient Synergic Model with Contrast Limited Adaptive Histogram Equalization model for Object Classification in Ship Detection	IEEE 2 nd Mysore Sub Section International Conference				Mysuru	10.1109/MysuruCon55714.2022.9972532.		
	Developments Pertaining to the Characteristics of the Sites of HIV Integration Highlighting its role in Clinical Research and its Future with AI: A Review	IEEE International IOT, Electronics and Mechatronics Conference				Toronto, ON, Canada	10.1109/IEMTRONICS55184.2022.9795700		

	(IEMTRONI CS)								
	Emotion Recognition from Mizo Speech: A Signal Processing Approach	IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)						Ballari, India	10.1109/ ICDCECE53 908.2022.979 3078.
Sandeep Kumar Dash	Universal dependency treebank for ho language	International conference on frontiers of intelligent computing: Theory and applications							https://doi.org /10.1007/978- 981-19-7513- 4_45
Department of Mechanical Engineering									
Name of Faculty	Title of Paper presented	Title of Seminar / Conference	Organized by	From	To	Venue / Place	Details of Publication, if any		
Saurav Suman	Autonomous Underwater Welding – A Review	International Conference of Sci/Tech. And Engineering (ICSTE 2023)	NIT Manipur	Feb 2023	Feb 2023	NIT Manipur	Springer		
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		
Kumar Raja	Upgrading Recycled	Advances in	NIT	16/12/2022	17/12/2022	NIT	Lecture Notes		

Vanapalli	Aggregates in Concrete by Using Waste Plastics	Construction Materials and Management	Warangal				Warangal	in Civil Engineering https://doi.org/10.1007/978-981-99-2552-0_21
Sanasam Vipej Devi	Numerical study of perforated lean duplex stainless steel slender semi-elliptical hollow section members subjected to torsion	Indian Structural Steel Conference	IIT Hyderabad	06/01/2022	08/01/2022		Online	Proceedings of Indian Structural Steel Conference
	Behaviour of high strength steel circular hollow section subjected to torsion – a finite element study	1 st International Conference on Sci/Tech and Engineering	NIT Manipur	17/02/2023	18/02/2023		Online	Lecture Notes in Civil Engineering 431, Springer Nature, ISBN 2366-2565 (https://doi.org/10.1007/978-981-99-4665-5_8)

11.8 Workshops / STTP / FDP attended or participated: NIL

Department of Basic Sciences & HSS					
Name of the Faculty	Title of FDP / STTP / Workshop	Organized by	Venue	From	To

11.9 Consultancy Projects:

Sl. No.	Name of the Faculty	Name of the work and the year	Agency	Consultancy amount in Lakhs
1	Ricky Lalthazuala	Proof Checking - Construction of composite superstructure bridge across River Langkai in Mizoram (2022)	Mizoram PWD	2.36
2		Technical and Economic Appraisal of Detailed Project Report (DPR) for Improvement and Strengthening of Saiphal Bamboo Plantation Road (from Lengpui to Saiphal Bamboo Plantation) (2022)	Mizoram PWD	3.00
3		Technical and Economic Appraisal of Detailed Project Report (DPR) for Improvement and Strengthening of Tuirial Bamboo Link Road (from Tuirial Airfield to North Chaltlang) (2022)	Mizoram PWD	3.00
4		Technical Appraisal of Detailed Project Report (DPR) for Construction of Aizawl By-pass on Western Side. (2022)	Mizoram PWD	5.00
5		Structural Design for Construction of Multipurpose Hall at Chawnpui, Aizawl (2022)	Urban Development & Poverty Alleviation Department	2.00
6		Proof Checking - Structural Design of Abutments and Pier of Re-Construction of Modular Bridge 70R over River Tuivai at Km 140/00 on NH-2 (Old NH-150) in the state of Mizoram. (2022)	Mizoram PWD	2.89
7		Design of retaining wall of sinking portion at km 94.900 of NH-6 in Kolasib (2023)	NHIDCL	2.95
8		Structural assessment and design of pedestrian bridge at Zodin (2023)	Aizawl Municipal Corporation	2.36
9		Structural assessment and design of pedestrian bridge at Bazar Bungkawn (2023)	Aizawl Municipal Corporation	2.36

10	Structure Design of T-Beam Bridge at Bulung River (2023)	Mizoram PWD	8.42
11	Vetting Detailed Drawings and Specification of Retaining Wall at Army Area at Thuampui (2023)	Indian Army	4.13

11.10 Any other achievements of the Department:

Sl. No.	Name of Faculty	Achievement
1.	Saibal Chatterjee	Inducted as a member of South Asian Group of IEEE
2.		Member Coordinator of two NAAC visits in 2022-23
3.	Pabitra Kumar Biswas	Fellow Institute of Engineers, Senior Member IEEE, Life time member ISTE
4.	Suman Majumder	German Patent titled 'SUSTAINABLE ELECTRIC BUS BASED TRANSIT SYSTEM FOR MANAGING TRANSPORTATION AND SUPPLY POWER TO ELECTRIC BUSES', 2023
5.	Krishnarti De	German Patent titled 'A FUZZY LOGIC CONTROLLER BASED SYSTEM FOR MINIMIZING FAILURES IN AN ELECTRIC-BASED TRANSPORTATION SYSTEM', 2023
6.	Rudra Sankar Dhar	Best Teachers Awards 2022, NIT Mizoram
7.		Keynote talks at Short Term Course: "Technology Transfer from Lab to Society", Mizoram University, India, conducted by UGC, March 2023
8.		Keynote talks at 2022 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology (5NANO 2022), MCE, Kerala, India, April 2022.
9.		Keynote talks at Webinar, Dream Institute, Kolkata, India, April 2022.
10.		Keynote Speaker for One Week National Workshop at Visaka Institute of Engineering and

		Technology August 2022.
11.	Chaitali Koley	Keynote talks at international workshop on Advances in Planner Antennas and Communication Technology: “RF Interaction Structures for Microwave Sources-Klystrons”, Mizoram University, India, conducted by UGC, 13-17 th March 2023
12.	Sushanta Bordoloi	External Expert for evaluation of B.Tech laboratory course EC208 at the Dept. of Electronics and Communication Engineering, Tezpur University.
13.	Vaibhav Malviya	Delivered an expert talk on the topic “Autonomous Social Robots” on 26 December, 2022 being organized by Department of Computer Science & Engineering, Indira Gandhi Delhi Technical University (IGDTUW), Delhi.
14.	Ranjita Das (on-lien)	Transfer Learning Based Advanced Deep Learning Architecture for the Identification of HIV-1 Integration Sites Using Imbalanced Dataset" received best paper award in FICTA-2022
15.	Saurav Suman	Expert talk on One week FDP on Cognitive skills, design and critical thinking, September 2022.
16.		Expert talk on One week FDP on IPR Management, July 2022
17.	H. Lalmingsanga	Expert talks on One-week national workshop on Importance of Disaster Risk Reduction and resilience, April 2023
18.	Bachu Deb	Expert talks on One week FDP on Start-up business, Nov 2022
19.		Expert talks on One week FDP on Cognitive skills, design and critical thinking, September 2022
20.	Bidesh Roy	Expert talks on One week FDP on Start-up business, Nov 2022
21.	Sukanta Roy	Keynote Lecture on "Wind Energy Sustainability and Small-scale Applications," at International Conference on Sustainable Innovation in Technology, Science, Commerce & Management-2023" (ICSITSCM-2023), organized by G H Raisonni University, Saikheda, MP, February 16, 2023, India.

22		Invited Lecture on "Wind Energy Sustainability," organized by Curtin University Dubai, April 17, 2023, Dubai.
23		Invited Expert Lecture on "Wind Energy Basics and Wind Turbine Aerodynamics," organized by Savitribai Phule Pune University, Pune, January 14, 2023, India.
24	Sanasam Vipej Devi	Awarded 'Post Doctoral Industrial Fellowship' by Indo-German Science and Technology Centre (IGSTC), DST, Govt. of India
25	Surender Ontela	Received SERB International Research Experience from SERB, Govt. of India.
26	Ajmal Koya Pulikkal	Received SERB International Research Experience from SERB, Govt. of India. 'Best Faculty Through Research & Development Award-2022' of National Institute of Technology Mizoram (Award No.: F.No.: NITMz/Adm./66-1/2022/3647, Dated: 14 th November 2022).
27	Alok Shukla	Best Teachers Awards 2022, NIT Mizoram

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
2022 - 2023

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

**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 2023**

1. We have audited the attached Balance Sheet of National Institute of Technology (NIT), Mizoram, Aizawl as of 31 March 2023, 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 Fixed Assets (Schedule-4)

Capital Work in Progress: ₹ 167.45 crore.

An agreement was signed (May 2014) between National Institute of Technology (Owner) and M/s IRCON International Limited (Project Management Agency), for execution of the work (Phase-I) 'Providing project management for carrying out topographical & geo-technical survey, preparation of master plan, designing and construction of boundary wall & allied preparatory works for National Institute of Technology, Mizoram'. The work was completed on March 2018/put to use with a total expenditure of ₹ 167.45 crore.

Further, it was observed that out of the total expenditure of ₹ 167.45 crore, there was an excess /unutilized materials worth ₹ 1.69 crore meant for illumination of internal roads. As per the Joint Site Inspection (November 2020) report, the excess materials were in good conditions which will be essential for the next phase of construction. The total value of excess materials was found to be ₹ 1.68 crore with a loss of materials amounting to ₹ 0.01 crore. The excess materials were accepted by the Board of Governors (BoG), the value of which was incorporated in the Revised Cost Estimates.

As the work was already 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, booked the total expenditure under Capital Work in Progress.

This resulted in overstatement of Capital Work in Progress by ₹ 167.45 crore and understatement of Fixed Assets (Building) by ₹ 149.18 crore (Net of depreciation and excess materials), Current Assets (Stock: building materials) by ₹ 1.68 crore (Net of loss of inventory). This also resulted in overstatement of excess of Income over Expenditure by ₹ 16.59 crore (depreciation: ₹ 16.58 crore¹ plus loss of materials: ₹ 0.01 crore).

A.2 Fixed Assets (Schedule-4)

9-Scientific and Laboratory Equipment: ₹ 3,352.16 lakhs

(a) The Institute purchased Glass wares and Chemicals for ₹ 6,49,278.00 which was accounted under Scientific and Laboratory Equipment. The expenditure being revenue in

¹ Depreciation for five years from 2018-19 to 2022-23 for an amount of ₹ 165.76 crore (CWIP: ₹ 167.45 crore – Materials unutilised: ₹ 1.69 crore) at the rate of 2 per cent per annum.

nature should be accounted as 'laboratory consumables' in the Income and Expenditure account instead of Laboratory Equipment.

This resulted in overstatement of Fixed Assets (Scientific and Laboratory Equipment) and Surplus for the year by ₹ 6,49,278.00 and understatement of Academic Expenses (Laboratory expenses) by the same amount.

(b) The above includes an amount of ₹ 7,19,960 being the cost of equipment for RF and Microwave Engineering lab for ECE department. However, it was observed that the product was not delivered by the vendor and the Institute cancelled the purchase order. Though the item was not delivered, the Institute accounted the item under Scientific and Laboratory Equipment (Fixed Assets).

This resulted in overstatement of Fixed Assets (Scientific and Laboratory Equipment) by ₹ 7,19,861.38 (₹ 7,19,960 less depreciation of ₹ 98.62), expenses payable by ₹ 7,19,960.00 and understatement of Surplus for the year by ₹ 98.62.

B. INCOME AND EXPENDITURE ACCOUNT

B.1 Expenditure

Administrative and General Expenses (Schedule 17): ₹ 817.79 lakh

The above include an amount of ₹ 3.00 lakh being payment towards purchase of mobile phones. The mobile phone is in the nature of office equipment, the cost of the phones should have been accounted as 'Office Equipment' under Fixed Asset and depreciated accordingly instead of charging it to Income and Expenditure Account as Administrative and General Expenses.

This resulted in understatement of 'Office Equipment'(Fixed Assets) by ₹ 2.81 lakh and depreciation by ₹ 0.19 lakh and overstatement of 'Administration and General Expenses' by ₹ 3.00 lakh with a consequent understatement of Surplus for the year by ₹ 2.81 lakh.

C. GENERAL

C.1 Note to Accounts

During the year 2022-23, the total revenue expenditure excluding depreciation as shown in the Income and Expenditure Account was ₹ 2,635.68 lakh. However, Grants amounting to ₹ 3,573.84 lakh was provisioned in the Income side of the Income and Expenditure. This excess provision of Grants amounting to ₹ 938.16 lakh on the Income side is due to prior period errors/adjustment. This should have been disclosed in the Notes to Accounts.

D. GRANTS

During the year the Institute has received Grant of ₹ 44.23 crore and has opening balance of ₹ 16.97 crore. Out of the total fund of ₹ 61.20 crore, the Institute utilised ₹ 12.58 crore capital expenditure, ₹ 35.73 crore revenue expenditure. The Institute has also refunded ₹ 11.44 crore of unutilised grant to Ministry during the year leaving a balance of ₹ 1.45 crore as of 31st March 2023

- 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 2023; and
 - (b) In so far as it relates to Income and Expenditure Account, of the Surplus for the year ended on that date.

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

Place: Aizawl

Date: 8th April 2024



Principal Accountant General

Annexure – I

1. Adequacy of Internal Audit System

The Institute has not established a separate Internal Audit Wing till 2022-23. The Institute awarded/appointed (16.10.2023) M/s Jewel Fanai & Co., Chartered Accountants, Lower Chanmari, Aizawl, Mizoram only for compiling and preparation of Annual Accounts.

2. Adequacy of Internal Control System

Scrutiny of records of the Institute revealed the following deficiencies in their internal control system:

In spite of maintaining expenditure Control register and Advance register, there were delays in settlement of advances from employees, the unsettled advances has increased from ₹ 24.98 lakh (at the beginning of the year) to ₹ 69.93 lakh at the end of the current financial year 2022-23.

The Institute has not shown or maintained separate financial statements (Balance Sheet, Income and Expenditure Account and Receipts and Payments Account) in respect of GPF and/or NPS other than financial entries under the heads Current Liabilities under the Receipts and Payments Account and under Schedule-3: Current Liabilities and Provisions of Balance Sheet and under Schedule-15: Staff Payments and Benefits (Establishment Expenses) of Income & Expenditure Account.

3. System of Physical Verification of Fixed Assets and Inventory

The Institute has maintained register of fixed assets and consumables/stationeries. On scrutiny of stock register, it was noticed that there was no item-wise record/ ledger of stock received, quantity issued and balance of stock.

Further, the Institute has also not conducted physical verification of fixed assets and consumables/stationeries during the period 2022-23 in contravention of GFR Rule 213 (1) and Rule 213 (2).

4. Statutory dues

The Institute is regular in remitting its statutory dues.



लोकहितार्थसत्यनिष्ठा
Dedicated to Truth in Public
Interest

कायोलयमहालेखाकार,
मिज़ोरम, आइजोल – ७९६ ००१
OFFICE OF THE PRINCIPAL ACCOUNTANT GENERAL, MIZORAM,
AIZAWL - 796001
फोन नो./Phone No. 0389-2335566
फैक्स नो./Fax No. 0389-233434
ई-मेल /e-mail: agmizoram@cag.gov.in



Truth Alone Triumphs

संख्या/No.

PAG(MZ)/CAW/NIT-SAR/2022-23/11

दिनांकित/Dated: 08/04/2024

सेवा में/To

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

विषय/Subject: Audit of accounts of National Institute of Technology, Mizoram for the year 2022-23.

महोदय/Sir,

In continuation of the Separate Audit Report issued on the Accounts of the National Institute of Technology, Mizoram for the year 2022-23 vide this office letter No. PAG(MZ)/CAW/NIT-SAR/2022-23/9 dated 08/04/2024, the following deficiencies noticed by us in the Accounts are brought to your knowledge for remedial action.

1. As per significant accounting policies, Designated/Earmarked funds are funds set aside by the Educational Institute or provided by external agencies for specific purposes. The competent authority lays down items of income which could be accounted under Earmarked funds and items of expenditure permissible to be met from the funds when the funds are set aside by the Institute.

During the year 2022-23, the Institute collected an amount of ₹ 23.54 lakh from students on account of Development Fees and accounted it under 'Academic Receipts' (Schedule-9) as income. As the Development Fees received from the students is related to expenses for Campus Development and research activities, the fee receipts should have been booked separately in a particular earmarked fund. The Institute, however, didn't transfer the Development fees to Designated /Earmarked / Endowment Funds (Schedule-2) in the Balance Sheet.

This resulted in overstatement of 'Academic Receipt' and 'Excess of Income over Expenditure (Surplus for the year)' by ₹ 23.54 lakh each with a corresponding understatement of Designated /Earmarked / Endowment Funds (Schedule-2) by the same amount.

Yours faithfully,



(Seababrata Mazumder)
Deputy Accountant General

**NATIONAL INSTITUTE OF TECHNOLOGY
AIZAWL, MIZORAM - 796012**



**ANNUAL ACCOUNTS
FINANCIAL YEAR 2022-2023**

National Institute of Technology, Aizawl, Mizoram
Balance Sheet As At 31.03.2023

(Amount in Rupees)

SOURCES OF FUNDS	Schedule No.	Current Year	Previous Year
CORPUS/CAPITAL FUND	1	2,27,11,44,706.42	2,04,06,90,701.97
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	-	-
CURRENT LIABILITIES & PROVISIONS	3	11,29,75,714.03	32,33,58,322.51
TOTAL		2,38,41,20,420.45	2,36,40,49,024.48
APPLICATION OF FUNDS	Schedule No.	Current Year	Previous Year
FIXED ASSETS	4		
Tangible Assets(Institute)		26,62,29,185.12	20,46,76,218.22
Tangible Assets(Sponsored Project)		28,65,884.51	32,24,557.41
Intangible Assets		3,06,33,752.13	58,19,063.97
Capital Works-in-Progress		1,67,44,98,320.00	1,67,40,50,162.00
INVESTMENTS-EARMARKED/ENDOW/OTH. FUNDS	5		
Long Term		-	-
Short Term			
INVESTMENT - OTHERS	6	-	-
CURRENT ASSETS	7	38,30,52,203.45	46,02,06,731.66
LOANS, ADVANCES & DEPOSITS	8	2,68,41,075.25	1,60,72,291.23
TOTAL		2,38,41,20,420.45	2,36,40,49,024.48

CA JEWEL LAL THASANGZELI FANAI
FRN : 332062E
M.No. 314886



Chartered Accountant

Place: Aizawl

Date: 10.10.2023

Deputy Registrar
उप. कुलसचिव/Dy. Registrar
रा. प्रो. सं. मिजोरम
NIT Mizoram

Registrar
कुलसचिव/Registrar
रा. प्रो. सं. मिजोरम
NIT Mizoram

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

National Institute of Technology, Aizawl, Mizoram

Income And Expenditure Account For The Year Ending 31.03.2023

(Amount in Rupees)

INCOME	Schedule No.	Current Year	Previous Year
Academic Receipts	9	3,37,83,986.75	1,91,87,862.25
Grants/Subsidies	10	35,73,83,911.99	30,22,75,277.34
Income from Investments	11	-	-
Interest Earned	12	99,98,969.83	50,45,232.00
Other Income	13	16,06,851.00	4,93,572.00
Prior Period Income	14	52,36,042.07	25,910.00
TOTAL (A)		40,80,09,761.64	32,70,27,853.59
EXPENDITURE			
Staff Payments & Benefits	15	10,54,37,616.00	9,10,32,613.00
Academic Expenses	16	3,39,48,106.14	1,93,02,240.00
Administrative and General Expenses	17	8,17,79,569.32	6,72,29,589.30
Transportation Expenses	18	71,99,789.00	15,76,551.00
Repairs & Maintenance	19	53,04,049.00	17,68,871.00
Finance Costs	20	-	-
Depreciation	4	3,98,27,857.88	3,79,03,420.15
Other Expenses	21	2,94,82,009.89	-
Prior Period Expenses	22	4,16,602.96	48,07,443.15
TOTAL (B)		30,33,95,600.19	22,36,20,727.60
Balance being excess of Income over Expenditure (A-B) Transfer to Capital/Corpus Fund		10,46,14,161.45	10,34,07,125.99
Significant Accounting Policies			
Notes to Accounts			
	23		
	24		

For JEWEL FANAI & CO
FRN : 332062E
CA JEWEL THASANGZELI FANAI
M.No. 314886



Chartered Accountant

Place: Aizawl

Date: 10.10.2023

[Signature]
Deputy Registrar

Deputy Registrar

उप.कुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

[Signature]
Registrar

Registrar

कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

[Signature]
Director

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

SCHEDULE – 1 : CAPITAL / CORPUS FUND

(Amount in Rupees)

Particulars	Current Year	Previous Year
Balance at the Beginning of the year	2,04,06,90,701.97	1,92,40,00,736.99
Add: Contribution towards Corpus/ Capital Fund	-	-
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	12,58,39,843.00	1,32,82,839.00
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	-	-
TOTAL	2,16,65,30,544.97	1,93,72,83,575.99
Surplus (Deficit) transferred from Income & Expenditure A/c	10,46,14,161.45	10,34,07,125.99
Balance at the year end	2,27,11,44,706.42	2,04,06,90,701.97

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

उप. कुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

Registrar

कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

Director

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

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: 10.10.2023

Deputy Registrar

उप. कुलसचिव/ Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

Registrar

कुलसचिव/ Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram

Director

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

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	-	11,62,65,601.00
	(b) Mess Advances	69,68,930.79	74,16,131.79
4	Deposit - Others (including EMD, Security Deposit)	49,78,227.00	21,58,261.00
5	Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS, GST):	1,32,56,410.84	6,85,216.00
	a) Overdue	-	-
	b) Others	-	-
	Other Current Liabilities:		
	(a) Salaries	-	-
	(b) Receipts against sponsored projects	80,01,367.68	49,63,028.18
	(c) Receipts against sponsored fellowships & scholarships	7,02,872.00	7,00,472.00
	(d) Unutilised Grants	1,44,65,447.93	16,97,39,679.92
	(e) AICTE Fund		3,72,000.00
	(f) NAMPET - III	-	-
	(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) CSAB Fund	-	80,000.00
	(l) Expenses Payable	4,83,90,150.16	24,786.00
	(m) Refundable academic receipts	1,24,41,194.55	95,59,096.55
	(n) Consolidated Fund of India:		
	Interest Realised	26,84,805.19	60,26,013.00
	Interest Accrued	-	52,36,042.07
	(o) Interest Payable to CPF Fund	3,02,796.89	
	(p) Others	4,15,083.00	-
	Total (A)	11,29,75,714.03	32,33,58,322.51

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)	11,29,75,714.03	32,33,58,322.51

Place: Aizawl
Date: 10.10.2023


Deputy Registrar

उप.कुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


Registrar

कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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

SCHEDULE 3 (a) Sponsored Project

Sl.no	Name of the Project	Opening Balance as on 01.04.22(Cr)	Opening Balance as on 01.04.22 (Dr)	Receipts/ Recoveries during the Year	Total	Expenditure during the Year	Closing Balance as on 31.03.2023 (Cr)	Closing Balance as on 31.03.2023 (Dr)
1	RP-1	-	-	-	-	-	-	-
2	RP-2	-	-	-	-	-	-	-
3	RP-3	8,889.50	-	28.50	8,918.00	8,918.00	-	-
4	RP-4	-	-	-	-	-	-	-
5	RP-5	-	-	-	-	-	-	-
6	RP-6	-	-	-	-	-	-	-
7	RP-7	-	-	-	-	-	-	-
8	RP-8	-	-	-	-	-	-	-
9	RP-9	6,26,166.00	-	78,365.00	7,04,531.00	7,04,531.00	-	-
10	RP-10	626.00	-	2.00	628.00	628.00	-	-
11	RP-11	46,404.50	-	26,900.00	73,304.50	265.50	73,039.00	-
12	RP-12	2,08,300.58	-	-	2,08,300.58	-	2,08,300.58	-
13	RP-13 ✓	5,99,351.00	-	7,03,885.00	13,03,236.00	13,03,236.00	-	-
14	RP-14 ✓	1,358.50	-	4.50	1,363.00	1,363.00	-	-
15	RP-15 ✓	5,43,672.10	-	11,493.00	5,55,165.10	2,89,116.00	2,66,049.10	-
16	RP-16 ✓	29,28,260.00	-	1,33,947.00	30,62,207.00	19,54,504.00	11,07,703.00	-
17	RP-19	-	-	17,70,000.00	17,70,000.00	1,99,530.00	15,70,470.00	-
18	RP-20	-	-	29,83,119.00	29,83,119.00	-	29,83,119.00	-
19	RP-21	-	-	13,74,000.00	13,74,000.00	7,32,662.00	6,41,338.00	-
20	RP-22	-	-	9,52,100.00	9,52,100.00	-	9,52,100.00	-
21	TIH Grant	-	-	10,49,596.00	10,49,596.00	8,50,347.00	1,99,249.00	-
	TOTAL	49,63,028.18	-	90,83,440.00	1,40,46,468.18	60,45,100.50	80,01,367.68	-

Place: Aizawl
Date: 10.10.2023


Deputy Registrar
उप. कुलसचिव/ Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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SCHEDULE 3 (b) Sponsored Fellowship and Scholarship

(Amount in Rs.)

Sl.no	Name of Sponsor	Opening Balance as on 01.04.22	Transactions during the year		Closing Balance as on 31.03.23
			Cr	Dr	
1	Scholarship(Central)	2,21,980.00	1,58,025.00	1,52,675.00	2,27,330.00
2	Scholarship(State)	4,78,492.00	-	5,350.00	4,73,142.00
3	PMSSS for J&K Students	-	2,400.00	-	2,400.00
	TOTAL	7,00,472.00	1,60,425.00	1,58,025.00	7,02,872.00

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

	Current Year	Previous Year
A. Plan Grants: Government of India		
Balance B/F	16,97,39,679.92	38,02,25,104.26
Add: Receipts During the year	44,23,23,000.00	13,52,46,000.00
Add: Unutilized grant of previous year(s)	-	-
Total (a)	61,20,62,679.92	51,54,71,104.26
Less: Refunds	11,43,73,477.00	3,01,73,308.00
Less :Utilized for Revenue Expenditure	35,73,83,911.99	30,22,75,277.34
Less:Utilised for capital Expenditure	12,58,39,843.00	1,32,82,839.00
Total (b)	59,75,97,231.99	34,57,31,424.34
Unutilised carried forward (a-b)	1,44,65,447.93	16,97,39,679.92

Place:Aizawl

Date: 10.10.2023


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NIT Mizoram


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NIT Mizoram


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

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%	93,135.00	4,77,790.00	-	5,70,925.00	1,844.90	4,605.70	-	6,450.60	5,64,474.40	91,290.10
6	Sewerage & Drainage	2%	-	-	-	-	-	-	-	-	-	-
7	Electrical Installation & Equipment	5%	1,00,16,509.85	55,70,874.00	-	1,55,87,383.85	22,54,416.18	5,35,625.12	-	27,90,041.30	1,27,97,342.55	77,62,093.67
8	Plant & Machinery	5%	-	-	-	-	-	-	-	-	-	-
9	Scientific & Laboratory Equipment	8%	29,40,60,100.00	4,11,59,048.00	3,000.00	33,52,16,148.00	14,81,43,064.47	2,35,90,355.13	1.97	17,17,33,417.63	16,34,82,730.37	14,59,17,035.53
10	Office Equipment	8%	2,14,70,865.00	5,09,411.00	-	2,19,80,276.00	1,41,00,762.72	16,26,557.90	-	1,57,27,320.61	62,52,955.39	73,70,102.28
11	Audio Visual Equipment	8%	1,71,64,368.00	3,88,450.00	-	1,75,52,818.00	83,10,717.55	12,95,614.07	-	96,06,331.62	79,46,486.38	88,53,650.45
12	Computers & Peripherals	20%	8,38,34,188.14	2,27,74,075.00	-	10,66,08,263.14	8,37,62,221.78	2,56,649.99	4.93	8,40,18,876.71	2,25,89,386.43	71,966.36
13	Furniture, Fixtures & Fittings	8%	4,07,60,086.00	2,25,59,957.00	-	6,33,20,043.00	2,07,19,425.03	33,19,744.25	-	2,40,39,169.28	3,92,80,873.72	2,00,40,660.97
14	Vehicles	10%	7,82,387.00	-	-	7,82,387.00	6,26,552.66	78,238.70	-	7,04,791.36	77,595.64	1,55,834.34
15	Lib. Books & Scientific Journals	10%	2,01,85,730.00	11,13,893.00	-	2,12,99,623.00	1,55,20,380.76	20,18,878.18	-	1,75,39,258.94	37,60,364.06	46,65,349.24
16	Installation	2%	1,07,73,015.00	-	-	1,07,73,015.00	10,80,578.52	2,15,460.30	-	12,96,038.82	94,76,976.18	96,92,436.48
17	Other Fixed Structures	10%	6,04,350.00	-	-	6,04,350.00	5,48,551.20	55,798.80	-	6,04,350.00	-	55,798.80
18	Small Value Assets	100%	3,09,738.00	-	-	3,09,738.00	3,09,738.00	-	-	3,09,738.00	-	-
TOTAL (A)			50,00,54,471.99	9,45,53,498.00	3,000.00	59,46,04,969.99	29,53,77,055.62	3,29,97,528.14	6.90	32,83,75,784.87	26,62,29,185.12	20,46,76,218.22
Capital Work In Progress			1,67,40,50,162.00	4,48,158.00	-	1,67,44,98,320.00	-	-	-	-	1,67,44,98,320.00	1,67,40,50,162.00
TOTAL (B)			1,67,40,50,162.00	4,48,158.00	-	1,67,44,98,320.00	-	-	-	-	1,67,44,98,320.00	1,67,40,50,162.00
Computer Software		40%	6,56,71,533.00	1,48,34,637.00	-	8,05,06,170.00	6,56,71,532.00	2,11,765.59	-	6,58,83,297.59	1,46,22,872.41	1.00
E- Journals		40%	1,53,18,605.00	1,64,51,708.00	-	3,17,70,313.00	94,99,542.03	62,59,891.25	-	1,57,59,433.28	1,60,10,879.72	58,19,062.97
Patents			-	-	-	-	-	-	-	-	-	-
TOTAL (C)			8,09,90,138.00	3,12,86,345.00	-	11,22,76,483.00	7,51,71,074.03	64,71,656.84	-	8,16,42,730.87	3,06,33,752.13	58,19,063.97
GRAND TOTAL (A+B+C)			2,25,50,94,771.99	12,62,88,001.00	3,000.00	2,38,13,79,772.99	37,05,48,129.65	3,94,69,184.98	6.90	41,00,18,515.74	1,97,13,61,257.25	1,88,45,45,444.19

Place: Aizawl
Date: 10.10.2023


Deputy Registrar

रूपकुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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कुलसचिव/Registrar
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NIT Mizoram

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Director
Page 9
निदेशक/Director
रा. प्रौ. सं./NIT
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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	Depreciation charged during the year	Deductions/ Adjustment	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	3,38,616.40	-	27,98,501.65	31,37,118.05
2	Lib. Books & Scientific Journals	10%	2,00,565.00	-	-	2,00,565.00	20,056.50	-	67,381.86	87,438.36
3	Computers & Peripherals	20%	1,10,339.00	-	-	1,10,339.00	-	-	1,10,338.00	1.00
			45,43,609.00	-	-	45,43,609.00	3,58,672.90	-	28,65,884.51	32,24,557.41

Place: Aizawl
Date: 10.10.2023


Deputy Registrar

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NIT Mizoram


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मिजोरम/ Mizoram

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: 10.10.2023


Deputy Registrar
 सप.कुलसचिव/Dy. Registrar
 रा. प्रौ. सं. मिजोरम
 NIT Mizoram


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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: 10.10.2023


Deputy Registrar
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 मिजोरम/ Mizoram

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	13,43,614.00	13,43,614.00
	In Term Deposit Accounts	7,34,00,000.00	10,33,66,551.00
	In Savings Accounts	30,83,03,589.45	35,54,91,566.66
	(b) With Non- Scheduled Banks:		
4	In Term Deposit Accounts	-	-
	In Savings Accounts	-	-
	Post Office- Savings Accounts	-	-
	Total	38,30,52,203.45	46,02,06,731.66

Place: Aizawl

Date: 10.10.2023

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

NIT Mizoram

Deputy Registrar

उप. कुलसचिव/Dy. Registrar

कुलसचिव/Registrar

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NIT Mizoram

Registrar

Director

निदेशक/Director

स. प्रो. सं./NIT

मिजोरम/ Mizoram

Annexure A

I. Savings Bank Accounts		Amount in Rupees
1.	Grants from UGC A/c	-
2.	University Receipts	-
3.	Scholarship A/c	-
4.	Academic Fee Receipt A/c	22,21,67,023.63
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	58,56,640.68
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	8,02,79,925.14
II.	Current Account	13,43,614.00
	SUB-TOTAL (I+II)	30,96,47,203.45
III	Term Deposit with Schedule Banks	7,34,00,000.00
	GRAND TOTAL (I+II+III)	38,30,47,203.45

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

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Schedule 8 - LOANS, ADVANCES & DEPOSITS

		Current Year	Previous Year
	Advances to employees: (Non- interest bearing)		
1	(a) Salary	-	-
	(b) Festival	-	-
	(c) Medical Advance	-	-
	(d) For Expenses	69,93,069.00	24,97,900.00
	Long Term Advances to employees (Interest bearing)		
2	(a) Vehicle Loan	-	-
	(b) Home Loan	-	-
	(d) Others	-	-
	Advances and other amounts recoverable in cash or kind or for value to be received:		
3	(a) On Capital Account	-	-
	(b) Suppliers (Letter of Credit)	3,83,201.00	-
	(c) Others	8,48,240.00	-
	Prepaid Expenses	-	-
4	(a) Insurance	-	-
	(b) Other expenses	-	-
	Deposits		
	(a) Telephone	11,000.00	11,000.00
5	(b) Lease Rent	-	-
	(c) Electricity	-	-
	(d) Security Deposit Received	51,08,125.00	-
	(e) Building on rent	1,50,000.00	1,50,000.00

Place: Aizawl

Date: 10.10.2023


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मिजोरम/ Mizoram

Schedule 8 - LOANS, ADVANCES & DEPOSITS (contd)

Income Accrued			
6	(a) On investments from Earmarked/Endowment Funds	-	-
	(b) On Term Deposits	1,33,47,440.25	1,34,13,391.23
	(c) On Loans and Advances	-	-
	(d) Others (included income due unrealized)	-	-
7	Others- Current Assets receivable from UGC/Sponsored projects		
	(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	2,68,41,075.25	1,60,72,291.23

Place: Aizawl

Date: 10.10.2023


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SCHEDULE 9 – ACADEMIC RECEIPTS

PARTICULARS		Current Year	Previous Year
FEES FROM STUDENTS			
ACADEMIC			
1. Tuition Fee		1,73,45,051.00	1,32,67,410.00
2. Admission fee		-	-
3. Medical Aid Fee		4,55,700.00	4,31,000.00
4. Library Fee		7,45,500.00	6,33,750.00
5. Laboratory Fee		7,21,250.00	3,96,250.00
6. Art & Craft Fee		-	-
7. Registration Fee		3,02,000.00	2,67,700.00
TOTAL (A)		1,95,69,501.00	1,49,96,110.00

EXAMINATION			
1. Application Form		-	-
2. Annual/Semester Examination fee		11,23,850.00	7,84,900.00
3. Mark Sheet, Certificate fee		15,500.00	1,900.00
4. Entrance Examination fee		-	-
TOTAL (B)		11,39,350.00	7,86,800.00
		Current Year	Previous Year

OTHER FEES			
1. Identity card fee		41,600.00	35,050.00
2. Fine/Miscellaneous fee		38,000.00	53,000.00
3. Medical fee		600.00	6,650.00
4. Student Aid Fees		1,86,500.00	1,01,550.00
5. Hostel fee		68,60,835.75	3,36,776.25
6. Development fees		23,53,750.00	12,72,500.00
7. Student Activity fee		14,22,000.00	2,06,000.00
TOTAL (C)		1,09,03,285.75	20,11,526.25

Place: Aizawl

Date: 10.10.2023


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 NIT Mizoram


Registrar
 ज. प्रौ. सं. मिजोरम
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Director
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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	17,300.00	57,975.00
2. Inter University Cultural Activity	200.00	50.00
3. Gym, Annual day & Magazine fees	2,400.00	600.00
4. Thesis Fee	42,000.00	30,000.00
5. Training & Placement	1,95,750.00	1,20,750.00
6. Convocation	1,81,200.00	1,01,500.00
7. Industry Institution Interaction	2,400.00	26,600.00
8. Alumni Fee	88,500.00	91,500.00
9. Other Academic Receipts	16,42,100.00	9,64,451.00
TOTAL (E)	21,71,850.00	13,93,426.00
Total (A+B+C+D+E)	3,37,83,986.75	1,91,87,862.25

Place: Aizawl
Date: 10.10.2023


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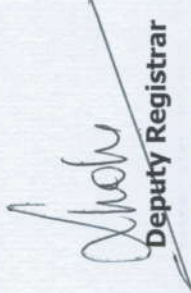

Director
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पृष्ठ सं. 18/NIT
मिजोरम/ Mizoram

SCHEDULE - 10: GRANTS

Particulars		Plan			Total Plan	Non Plan UGC	Current Year Total	Previous Year Total	Amount in Rupees
		Govt. of India	UGC						
			Plan	Specific Scheme					
Balance B/F		16,97,39,679.92	-	-	16,97,39,679.92	-	16,97,39,679.92	38,02,25,104.26	
Add: Grants for Current year		44,23,23,000.00	-	-	44,23,23,000.00	-	44,23,23,000.00	13,52,46,000.00	
Total		61,20,62,679.92	-	-	61,20,62,679.92	-	61,20,62,679.92	51,54,71,104.26	
Less: Refunded to Ministry of Education		11,43,73,477.00	-	-	11,43,73,477.00	-	11,43,73,477.00	3,01,73,308.00	
Balance		49,76,89,202.92	-	-	49,76,89,202.92	-	49,76,89,202.92	48,52,97,796.26	
Less:Earmarked for capital expenditure		12,58,39,843.00	-	-	12,58,39,843.00	-	12,58,39,843.00	1,32,82,839.00	
Balance		37,18,49,359.92	-	-	37,18,49,359.92	-	37,18,49,359.92	47,20,14,957.26	
Less: Utilised for Revenue Expenditure		35,73,83,911.99	-	-	35,73,83,911.99	-	35,73,83,911.99	30,22,75,277.34	
Balance C/F		1,44,65,447.93	-	-	1,44,65,447.93	-	1,44,65,447.93	16,97,39,679.92	

Amount in Rupees

Place: Aizawl
Date: 10.10.2023


Deputy Registrar
उप.कुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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NIT Mizoram


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

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

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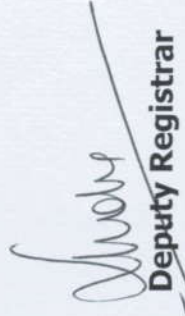
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SCHEDULE - 12: INTEREST EARNED

PARTICULARS	Current Year	Previous Year
INTEREST EARNED ON BANK SAVINGS/DEPOSITS		
1. (a) On Savings Accounts with Scheduled Banks	55,37,421.81	42,14,323.00
(b) On Term Deposit A/c with Scheduled Bank	44,61,548.02	8,30,909.00
2. On Loans		
a) Employees/Staff	-	-
b) Others	-	-
3. On Debtors and other Receivables	-	-
TOTAL	99,98,969.83	50,45,232.00

Place: Aizawl

Date: 10.10.2023


Deputy Registrar

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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	-	-
5. Water Charges recovered	-	-
Total		
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)	-	1,93,184.00
Total		1,93,184.00

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

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मिजोरम/ Mizoram

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

D. Others			
1. Income from Consultancy		4,85,566.00	
2. Ph.d. Admission Fees			
3. Recruitment Fees			
4. Income from Sponsorship			
5. Sale of Application Form		-	-
6. Misc. receipts (Sponsored Project Overhead & Others)		5,14,789.00	2,98,678.00
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		42,600.00	1,710.00
10. Application Fees		5,01,350.00	
11. Other Income		62,546.00	
Total		16,06,851.00	3,00,388.00
Grand Total (A+B+C+D)		16,06,851.00	4,93,572.00

Place: Aizawl

Date: 10.10.2023


Deputy Registrar

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मिजोरम/ Mizoram

SCHEDULE - 14: PRIOR PERIOD INCOME

Amount in Rupees

PARTICULARS	Current Year	Previous Year
1. Academic Receipts	-	25,910.00
2. Income from Investments	-	-
3. Interest earned	52,36,042.07	-
4. Other Income	-	-
5. Sponsorship	-	-
6. Tender Income	-	-
TOTAL	52,36,042.07	25,910.00

Place: Aizawl

Date: 10.10.2023


Deputy Registrar
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 NIT Mizoram

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	8,97,65,322.00	-	8,97,65,322.00	7,42,83,126.00	-	7,42,83,126.00
b) Allowance & Bonus	64,216.00	-	64,216.00	4,55,224.00	-	4,55,224.00
c) Contribution to Pension	88,71,200.00	-	88,71,200.00	90,72,422.00	-	90,72,422.00
d) Contribution to other fund	-	-	-	-	-	-
e) Staff Welfare expenses	2,62,217.00	-	2,62,217.00	2,32,602.00	-	2,32,602.00
f) Membership & Professional Expenses	-	-	-	-	-	-
g) LTC facility	11,55,354.00	-	11,55,354.00	9,10,521.00	-	9,10,521.00
h) Medical facility	38,73,168.00	-	38,73,168.00	44,03,058.00	-	44,03,058.00
i) Children Education Allowance	4,52,174.00	-	4,52,174.00	3,53,338.00	-	3,53,338.00
j) Honorarium	-	-	-	-	-	-
k) CPDA	9,17,506.00	-	9,17,506.00	2,09,559.00	-	2,09,559.00
l) Health Care Centre	76,459.00	-	76,459.00	11,12,763.00	-	11,12,763.00
Total	10,54,37,616.00	-	10,54,37,616.00	9,10,32,613.00	-	9,10,32,613.00

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

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मिजोरम/ Mizoram

SCHEDULE - 16 : ACADEMIC EXPENSES

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Laboratory expenses	4,77,852.00	-	4,77,852.00	2,07,289.00	-	2,07,289.00
b) Research Activities	5,81,743.00	-	5,81,743.00	-	-	-
c) Expenses on Seminars/Workshops	18,60,114.00	-	18,60,114.00	3,04,308.00	-	3,04,308.00
d) Payment to Visiting faculty	16,79,540.00	-	16,79,540.00	16,11,033.00	-	16,11,033.00
e) Examination	63,220.00	-	63,220.00	43,700.00	-	43,700.00
f) Students Welfare Expenses	13,26,480.00	-	13,26,480.00	3,15,672.00	-	3,15,672.00
g) Admission/ Farewell Expenses	-	-	-	-	-	-
h) Convocation Expenses	30,65,706.00	-	30,65,706.00	-	-	-
i) TA/DA	-	-	-	-	-	-
j) Remuneration	-	-	-	-	-	-
k) Training & Placement	20,099.00	-	20,099.00	-	-	-
l) Hostel Expenses	22,80,995.00	-	22,80,995.00	-	-	-
m) Honorarium & Stipends	1,73,21,075.00	-	1,73,21,075.00	1,52,29,558.00	-	1,52,29,558.00
n) Co-curricular activities	21,89,765.00	-	21,89,765.00	-	-	-
o) Annual Technical Support	26,80,960.00	-	26,80,960.00	-	-	-
o) Other Misc Expenses	4,00,557.14	-	4,00,557.14	15,90,680.00	-	15,90,680.00
TOTAL	3,39,48,106.14	-	3,39,48,106.14	1,93,02,240.00	-	1,93,02,240.00

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

कुलसचिव/Dy. Registrar

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NIT Mizoram

Registrar

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SCHEDULE - 17 : ADMINISTRATIVE EXPENSES AND GENERAL EXPENSES

Amount in Rupees

Particulars	Current Year		Total	Previous Year		Total
	Plan	Non-Plan		Plan	Non-Plan	
A. Infrastructure						
a) Electricity and power	14,55,182.00	-	14,55,182.00	11,05,523.00	-	11,05,523.00
b) Water Charges	27,99,555.00	-	27,99,555.00	3,22,207.00	-	3,22,207.00
c) Insurance, security	83,72,110.00	-	83,72,110.00	64,45,992.00	-	64,45,992.00
d) Rent, Rates and Taxes (Including property tax)	4,23,13,133.00	-	4,23,13,133.00	4,44,45,112.00	-	4,44,45,112.00
e) Casual Workers/daily wages	25,37,842.00	-	25,37,842.00	20,45,518.00	-	20,45,518.00
f) Sanitary/Housekeeping Expenses	42,51,320.00	-	42,51,320.00	33,39,200.00	-	33,39,200.00
g) DG Set running expenses	4,81,727.00	-	4,81,727.00	6,77,306.00	-	6,77,306.00
B. Communication						
a) Postage and Stationery	15,124.00	-	15,124.00	11,892.00	-	11,892.00
b) Telephone, fax and Internet charges	14,05,765.00	-	14,05,765.00	13,56,197.00	-	13,56,197.00
c) General Expense	6,63,830.00	-	6,63,830.00	33,14,867.00	-	33,14,867.00
d) Printing and stationery, Office	7,48,998.00	-	7,48,998.00	18,39,805.00	-	18,39,805.00
e) Travelling and Conveyance expenses	24,80,527.00	-	24,80,527.00	6,53,916.00	-	6,53,916.00
f) Hospitality	8,93,891.00	-	8,93,891.00	3,94,468.00	-	3,94,468.00
g) Auditor/Consultation charges	1,15,200.00	-	1,15,200.00	62,000.00	-	62,000.00
h) Honorarium & Allowances	85,550.00	-	85,550.00	89,500.00	-	89,500.00
i) Advertisement & Publicity	35,77,765.00	-	35,77,765.00	9,97,250.00	-	9,97,250.00
j) Magazines & Journals	24,300.00	-	24,300.00	10,800.00	-	10,800.00
k) NIT Transit house	10,50,000.00	-	10,50,000.00	-	-	-
l) Bank Charges	1,217.32	-	1,217.32	4,836.30	-	4,836.30
m) Meeting Expense	14,02,972.00	-	14,02,972.00	-	-	-
n) Central Library Expenses	31,89,264.00	-	31,89,264.00	-	-	-
o) Legal Expenses	10,13,340.00	-	10,13,340.00	-	-	-
p) POL	8,51,760.00	-	8,51,760.00	-	-	-
q) Recruitment Expenses	11,41,464.00	-	11,41,464.00	-	-	-
C. Miscellaneous Expenses						
TOTAL	8,17,79,569.32	-	8,17,79,569.32	6,72,29,589.30	-	6,72,29,589.30

Place: Aizawl

Date: 10.10.2023


Deputy Registrar

उप.कुलसचिव/Dy. Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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Director

निदेशक/Director Page 27
रा. प्रौ. सं./NIT
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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	43,430.00	-	43,430.00	1,62,111.00	-	1,62,111.00
c) Insurance Expenses	-	-	-	-	-	-
d) Driver Wages	-	-	-	-	-	-
2. Vehicles taken on Rents/lease						
a) Rent/lease expenses	60,58,344.00	-	60,58,344.00	11,27,600.00	-	11,27,600.00
3. Vehicles(Taxi) hiring expenses	10,98,015.00	-	10,98,015.00	2,86,840.00	-	2,86,840.00
TOTAL	71,99,789.00	-	71,99,789.00	15,76,551.00	-	15,76,551.00

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

सप.कुलसचिव/Dy. Registrar

रा. प्रौ. सं. मिजोरम

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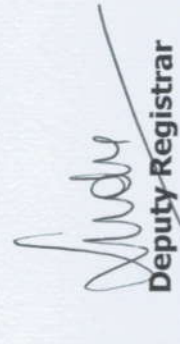
SCHEDULE 19 : REPAIRS & MAINTENANCE

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Buildings	24,33,048.00	-	24,33,048.00	8,95,913.00	-	8,95,913.00
b) Furnitures & Fixtures	20,97,200.00	-	20,97,200.00	7,400.00	-	7,400.00
c) Plant and Machinery	-	-	-	-	-	-
d) Office Equipment	2,42,826.00	-	2,42,826.00	1,41,500.00	-	1,41,500.00
e) Computers	-	-	-	-	-	-
f) Laboratory & Scientific Equipment	-	-	-	-	-	-
g) Audio Visual Equipment	-	-	-	-	-	-
h) Cleaning Materials & Services	-	-	-	-	-	-
i) Book Binding Charges	-	-	-	-	-	-
j) Gardening ,Beautification	5,19,675.00	-	5,19,675.00	5,58,058.00	-	5,58,058.00
k) Estate Maintenance	-	-	-	-	-	-
l) Vehicle	-	-	-	-	-	-
m) Electrical Maintenance	11,300.00	-	11,300.00	1,66,000.00	-	1,66,000.00
TOTAL	53,04,049.00	-	53,04,049.00	17,68,871.00	-	17,68,871.00

Place: Aizawl

Date: 10.10.2023


Deputy Registrar

अध्य. कुलसचिव/Dy. Registrar
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NIT Mizoram


Director

निदेशक/Director Page 29
रा. प्रौ. सं./NIT
मिजोरम/ Mizoram

SCHEDULE 20 : FINANCE COSTS

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

Amount in Rupees

Place: Aizawl

Date: 10.10.2023


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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	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	2,94,82,009.89	-	2,94,82,009.89	-	-	-

Place: Aizawl

Date: 10.10.2023

Deputy Registrar

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SCHEDULE 22 : PRIOR PERIOD EXPENSES

Amount in Rupees

PARTICULARS	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1. Establishment expenses	-	-	-	41,80,079.00	-	41,80,079.00
2. Academic expenses	4,16,600.00	-	4,16,600.00	6,26,166.00	-	6,26,166.00
3. Administrative expenses	-	-	-	-	-	-
4. Transportation expenses	-	-	-	-	-	-
5. Repairs & maintenance	-	-	-	-	-	-
6. Other expenses	2.96	-	2.96	1,198.15	-	1,198.15
Total	4,16,602.96	-	4,16,602.96	48,07,443.15	-	48,07,443.15

Place: Aizawl

Date: 10.10.2023


Deputy Registrar

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Director

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SIGNIFICANT ACCOUNTING POLICIES

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

Revenue receipts on account of academic fees, registration 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.

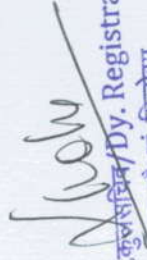
3.1 Fixed Assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.

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%


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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

- 5.1 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.
- 5.2 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..

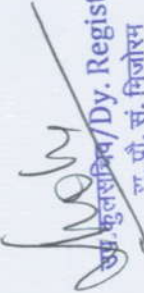
7. GOVERNMENT AND UGC GRANT

- 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.

The assets of the ownership which is retained by the sponsors, but which are held and used by the institution, are disclosed separately in schedule 21 – Contingent Liabilities and Notes to Accounts.


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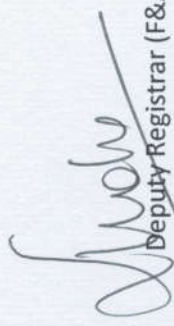
- 8.3 The Institution allots the share of the Institutional charges (Income of the Institution) to Project Coordinators for incurring Capital Expenditure for Infrastructure/Laboratory Development. The Assets thus created are from the Institution Funds and are merged with the respective heads. Depreciation 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 :10.10.2023


Deputy Registrar (F&A)
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NIT Mizoram


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कुलसचिव/Registrar
रा. प्रौ. सं. मिजोरम
NIT Mizoram


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

NOTES TO ACCOUNTS**1. FIXED ASSETS**

- 1.0 Purchase of Computer & Peripherals costing Rs.3,000 in FY 21-22 was inadvertently recorded as Scientific & Laboratory Equipment for which necessary adjustments along with depreciation wrongly charged of Rs 1.97/- is rectified during the year.

2. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS

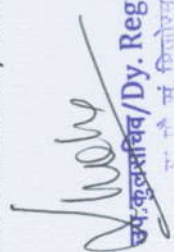
- 2.0 In the opinion of the Management, the current assets, Loans, Advances and Deposits have a value of realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.
- 2.1 The details of balances in Saving Banks Accounts, Current Accounts and Fixed Deposits Accounts 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 from 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 Advance given to Rahul Kumar Shah during FY 21-22 amounting to Rs 3,96,500/- was settled during the year itself. However, the settlement entry was inadvertently omitted during FY 21-22 which is now shown as prior period academic expense.


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- 4.1 Depreciation on purchase of computer & peripherals that was treated as a scientific & lab equipment was undercharged by Rs 2.96/- due to higher rate of depreciation on computer & peripheral items.
- 4.2 Rs 20,100

5 PRIOR PERIOD INCOME

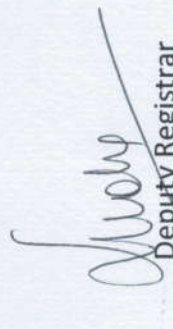
- 5.0 Any interest that arises on unutilized grant remaining with the institute shall be remitted to the Consolidated Fund of India. Accordingly, interest on fixed deposits with banks were computed and treated as interest arising on account of unutilized grant fund. It was however discovered that the investments in fixed deposits with bank were solely represented by the internal revenue generated by the Institute throughout the years and does not represent unutilized grant and therefore the accrued interest on such funds booked as a liability is reversed as such interest income is an indirect income of the Institute and is shown 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 during the year by former employer NERIST, Nirjuli after expiry of the lien period. As the accrued earnings received on behalf of Prof. Saibal Chatterjee are yet to be remitted to Contributory Provident Fund, provision is made to compensate earnings on such balance at the rate of 7.1% on CPF Accrued portion and at rate of 2.5% on earned leaves portion.

Place: Aizawl

Date: 10.10.2023


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