



राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

**THE
COMPENDIUM**

November, 2022
Vol.~ I, Issue~ V

Monthly Newsletter

Director's Message



Prof. S. Sundar
Director
NIT Mizoram

Greetings !!

This is the fifth issue of the first volume of the Institute newsletter 'THE COMPENDIUM'. It is a short collection of advancement of our students, teaching fraternity and staff during the month of November, 2022.

I appreciate the Editorial team for their relentless effort in bringing out 'THE COMPENDIUM'. I congratulate faculty members and students for their publications, participation in academic events, organising academic activities and other notable achievements.

*This month NIT Mizoram organized 6th Convocation, National Vigilance week, Janjatiya Gourav Diwas, International Day for the Elimination of Violence Against Women and Constitution Day.
I wish all the readers a happy reading !!*



Editor~ In~ Chief's Message



Dr. Shuchi
Asst. Prof.
Dept. of HSS (English)

Warm Greetings !!

I am pleased to bring out the fifth issue of the Institute monthly newsletter, 'THE COMPENDIUM: a synopsis of events and academic prosperity of NIT Mizoram'.

The highlights of the current issue are academic & outreach activities and a wide spectrum of research & development, observation of Vigilance week, Janjatiya Gourav Diwas, International Day for the Elimination of Violence Against Women and the Constitution Day at NIT Mizoram for the month of November 2022.

The 'EVENTISTRY' section displays memorable moments of Extramural Lecture series, Orientation and the 6th Convocation.

I express my heartfelt gratitude towards the Director, NIT Mizoram, Prof. S. Sundar for his encouragement and support.

I extend my sincere thanks to the Editor, Dr. Saurav Suman for all his help and technical support.

I also thank all my colleagues (faculty & office staff) and students of NIT Mizoram for their support by sending their achievements to us.

EDITORIAL BOARD



Chairman
Prof. S. Sundar
Director
NIT Mizoram



Editor-in-Chief
Dr Shuchi,
Assistant Professor
Dept. of HSS (English)



Editor
Dr. Saurav Suman
Assistant Professor
Dept. of Mechanical Engg.

SOCIAL MEDIA CELL



Nodal Officer
Dr. Surender Ontela
Assistant Professor
Dept. of BS (Mathematics)

STUDENT MEMBER



Student Member
Mr. K. Santha Ram
Research Scholar
Dept. of HSS (English)

RESEARCH AND DEVELOPMENT

❖ FDP/WORKSHOPS ORGANIZED

1. Extramural Lecture series by IIT Madras Alumni

National Institute of Technology Mizoram is organising 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 emphasised 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 honour have addressed various scientific and engineering aspects.



2. 5-day FDP on Start-up Business

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

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. Depts. of Computer Science & Engineering, Civil Engineering, Electronics & Comm. Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Basic Sciences & HSS. 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.



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](#)




National Institute of Technology Mizoram

Organizing

AICTE sponsored Five-Day Faculty Development Program on Start-up Businesses
21st – 25th November, 2022

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 Academics and Industries who are directly or indirectly involved in the idea of startups at their level.

Resource Persons

- Experts from IITs/NITs/IIMs/Universities/Industries/Law firms.

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: bdebmitmz@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

Organizing Committee

Prof. Saibal Chatterjee, Dean (Acad.), NIT Mizoram
Dr. Alok Shukla, Dean (R & C), NIT Mizoram
Dr. Ajmal Koya, Dean (FW), NIT Mizoram
Dr. H. Lalhminganga, HoD, ME, NIT Mizoram
Dr. Suresh Ontela, AP, BS & HSS, NIT Mizoram
Dr. Suchi, AP, BS & HSS, NIT Mizoram

❖ PUBLICATION (Journal/Conference/Book Chapter)

1. Santigopal Maity, Madutha Santosh Kumar, Chaitali Koley, Debashish Pal and Ayan Kumar Bandyopadhyay, "Design of the Radio Frequency Section of a Ka-Band Multiple Beam Ladder-Type Extended Interaction Klystron" (DOI: 10.3390/electronics11223781) Electronics (Vol 11, 17 November 2022, pp.3781)
2. Bikash Chandra Bag, Hirak Kumar Maity, Chaitali Koley, "UNet MobileNetV2: Medical Image Segmentation using Deep Neural Network (DNN)" International Conference on Advanced Research and development in Applied & Pure Mathematics and Computer Science (ARDAPMCS), 7-9th November 2022, at Kolkata, West Bengal
3. Dwaipayan Roy & Dr Shuchi, "The Poetry of Jim Morrison in the light of American Literary tradition" TELL(National Conference on Trends in English Language and Literature as Book Chapter with ISBN-9788195145454 (2022 pp.183)
4. Sajeesh A. K., Ajmal Koya Pulikkal, "Water Quality Assessment of Open Wells in Malappuram district, Kerala" accepted by AQUA - Water Infrastructure, Ecosystems and Society
5. Yumnam Gyani Devi, Jackson Gurung, Ajmal Koya Pulikkal, "Research Progress on the Synthesis of Different Types of Gemini Surfactants with a Functionalized Hydrophobic

Moiety and Spacer” Chemistry Select (2022, 10.1002/slct.202203485) (Vol. 07, pp. 01–37)

❖ WORKSHOPS/CONFERENCES/STTP/FDP ATTENDED

1. Dr Surender Ontela (Asst. Prof, Mathematics, Dept. of Basic Sciences) Linear Algebra for Computer Science and Machine Learning, NPTEL+ Workshop, from 19th to 20th November 2022
2. Alok Ranjan (Research Scholar, English) presented a paper titled “A Socio, Economics and Cultural Report on Conditions of Dalits of Sultanpur, Uttar Pradesh” at a National Conference COIN-2022 organised by NIT Meghalaya, 19th-20th November 2022
3. K. Santha Ram (Research Scholar, English) presented a paper titled “Cognitively Controlled Narratives and Systematic Oppression of People with Disabilities in Telugu Proverbs” at a National Conference COIN-2022 organised by NIT Meghalaya, 19th-20th November 2022
4. PC Vanengmawia (Research Scholar, Mathematics) presented a paper titled “Effects of momentum slip and Convective Boundary Condition on a Forced Convection in a horizontal channel filled with Bidisperse Porous Medium (BDPM)” at the Mizoram Science Congress (MSC) organised by Mizoram Science, Technology and Innovation Council (MISTIC), Directorate of Science and Technology (DST) Mizoram, Govt. of Mizoram in collaboration with science NGOs in Mizoram, 24th-25th November 2022
5. Sushil Joshi (Research Scholar, Physics) Presented a paper titled “Structural, Dielectric and Electrical feature of Nd and Ti-doped BiFeO₃” at Mizoram Science Congress (MSC), 24th-25th November 2022
6. Thelma Lalhmingthangi (Research Scholar, Economics) presented a paper entitled “Pre-colonial and Colonial Economy of the Mizo” at the 23rd Annual Conference of the North Eastern Economic Association
7. Dipshikha Das (Research Scholar) attended IEEE EDKCON 2022 International Conference (Flagship) from 26th to 27th November 2022

8. Pankaj Sanda (Research Scholar) attended IEEE EDKCON 2022 International Conference (Flagship) from 26th to 27th November 2022
9. PC Vanengmawia (Research Scholar, Mathematics) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
10. Pungja Mushahary (Research Scholar, Mathematics) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
11. Anjali Rawat (Research Scholar, Mathematics) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
12. S K Enamul (Research Scholar, Mathematics) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
13. Solomon (Research Scholar, Mathematics) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
14. K Santha Ram (Research Scholar, English) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
15. Alok Ranjan (Research Scholar, English) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
16. Fahad Khan (Research Scholar, English) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022
17. Amlanjyoti Gogoi (Research Scholar, Chemistry) attended Extramural Lecture Series by IIT Madras Alumni at NIT Mizoram on 03rd November 2022

FACULTY AWARDS & ACHIEVEMENTS

1. Prof. S. Sundar, Director, NIT Mizoram, was on the faculty recruitment selection Committee at IIT Bhilai on 3rd Nov. 2022
2. Prof. S. Sundar, Director, NIT Mizoram, attended Northeast NIT Director's meeting at Guwahati, 24th-25th Nov. 2022
3. Prof. S. Sundar, Director, NIT Mizoram, as Governor's Nominee, was on the faculty promotion committee at the University of Madras Chennai on 28th Nov. 2022
4. Prof. S. Sundar, Director, NIT Mizoram, was in the selection committee of the Mahamana Post-doctoral fellowship at BHU on 30th Nov. 2022

5. Prof. Ajmal Koya Pulikkal got sanctioned a project titled *“Efficient Synthesis of Organic Compounds: Effects of Self-Assembled Systems of Cationic Conventional and Gemini Surfactants”* by SERB-DST of 23.47 lakhs.

3. EXPERT/INVITED TALK /SESSION CHAIRED IN WORKSHOP/STTP/CONFERENCE:

1. Dr Shuchi delivered a talk on *“Technical Writing: Types & Importance”* in One-week National level workshop on Research Methodology on 23rd November 2022
2. Dr R. S. Dhar delivered a talk on *“Nanotechnology and its Advancements in FETs”* at IEEE EDKCON 2022 International Conference (Flagship) on 27th November 2022
3. Dr R. S. Dhar chaired a session at IEEE EDKCON 2022 International Conference (Flagship) on 27th November 2022
4. Dr R S Dhar Elected as Fellow, Institution of Engineers India FIE(I), Member No.: F-1293059 on 7th November 2022
5. Dr Bachu Deb delivered a talk on *“Generating Business Idea”* in AICTE sponsored 5-day workshop on Start-up Business on 25th November 2022
6. Dr Konthoujam Gyanendra Singh delivered a talk on *“Start-up, the Economy and Reforms”* in AICTE sponsored 5-day workshop on Start-up Business on 25th November 2022

STUDENTS' ACHIEVEMENTS

1. Pungja Mushahary (Research Scholar, Mathematics) cleared CSIR NET-JRF in Mathematical Science.
2. S K Enamul (Research Scholar, Mathematics) cleared CSIR NET-JRF in Mathematics Science.

SIXTH CONVOCATION

National Institute of Technology Mizoram (An Institute of National Importance, Ministry of Education, Govt of India) celebrated its 6th Convocation ceremony in the Auditorium, Mizoram University, Tanhril, Aizawl. Dr Hari Babu Kambhampati, His Excellency, The Governor, Mizoram, graced the Convocation as the Chief Guest. Prof.



S. Sundar, Director & Chairperson, Board of Governors, National Institute of Technology Mizoram, presided over the ceremony.

The programme had the presence of Dr Lalthanchami Sailo,

Registrar & Secretary, Board of Governors & Senate, National Institute of Technology Mizoram, Dean Academics Dr Rudra Sankar Dhar, Dean Student Welfare Dr Konthoujam Gyanendra Singh, Dean Planning & Development Dr Bijayananda Mohanty, Dean Faculty Welfare Prof. Ajmal Koya Pulikkal, Dean Research & Consultancy (i/c)

Prof. Alok Shukla, Head - Department of Civil Engineering Dr Ricky Lalthazuala, Head - Department of Computer Science and Engineering Dr Sandeep Kumar



Dash, Head - Department of Electronics and Communication Engineering Dr Sushanta Bordoloi, Head - Department of Electrical and Electronics Engineering Dr Suman Majumder, Head - Department of Mechanical Engineering Dr Saurav Suman,

Head – Department of Basic Science & Humanities and Social Science Dr Surender Ontela, Members of the Board of Governors, Members of the Senate, dignitaries, faculty members, staff along with graduating students and their parents. At the 6th Convocation ceremony, 158 students were awarded degree certificates for successfully completing various programmes, including 121 students of Bachelor of Technology, 26 students of Masters of Technology, and 11 students of Doctor of Philosophy.



For the graduating students, the National Institute of Technology Mizoram had a great 70% placement, with the highest placement for the students in the Electronics & Communication Engineering branch. The students who were eligible and opted in for placements have been placed with leading organisations like Larsen & Toubro, Infosys, Vedanta, Samsung Electronics, Alstom, Deloitte USI, 314e Corporation, ThoughtSpot, Albatronix Consulting, Info Edge, Valiance Solutions, Tata Consultancy Services, Centre for Development of Advanced Computing (CDAC), Publicis Sapient, Tata Power, Anheuser-Busch InBev GCC, Cogoport to name a few. The highest package for B. Tech graduates for the academic batch 2018-22 was 17 LPA. Prof. S. Sundar, Director, National Institute of Technology Mizoram, has initiated several awards, namely, '*Institute Blues*' for B. Tech Top Student, '*Best Thesis*' for PhD students

in Engineering and Basic Science & Humanities and Social Science, 'Best Faculty through Research and Development', 'Best Officer', and 'Best Staff' for administrative staff. Starting with the 6th Convocation, Praveen Akurathi from the Department of Electronics and Communication Engineering is awarded 'Institute Blues', Surendra Kumar Patel from the Department of Mechanical Engineering is awarded 'Best Thesis', Prof. Ajmal Koya Pulikkal from the Department of Basic Science & Humanities and Social Science is awarded 'Best Faculty through Research and Development', Mrs Lalthianghlimi Zote, Deputy Registrar is awarded 'Best Officer', and Mr Benjamin Lalbiakmuana, Superintendent is awarded 'Best Staff'.

Chief Guest, Dr Hari Babu Kambhampati in his Convocation Address has highlighted

that students must strive to work for society in significance and contribute toward innovation, entrepreneurship, and start-up. He emphasised that it is the need of the hour to align ourselves for



nation-building. Lastly, at the end of the programme memento was presented to the Chief Guest, His Excellency Dr Hari Babu Kambhampati, The Governor, Mizoram, by Prof. S. Sundar, Director & Chairperson, Board of Governors, National Institute of Technology Mizoram.

DAYS OBSERVED AT NIT MIZORAM

1. Celebration of Janjatiya Gaurav Diwas

The Ministry of Education was celebrating 'Janjatiya Gaurav Diwas' in a grand manner in the schools, skill and higher educational institutions across the country under the leadership of Union Education and Skill Development & Entrepreneurship Minister Shri Dharmendra Pradhan. National Institute of Technology Mizoram has also celebrated 'Janjatiya Gaurav Divas. In this context, Dr Suman Majumder, EBSB

coordinator, conducted a debate competition on “Contribution of Janajati Heroes in Freedom Struggle” among the students of the institute. The debate competition was organised in Academic block – II. The following students participated in the debate competition. The audience highly appreciated the debate, and it was very fruitful. Mr



Suraj Gupta (DT18EE001), Chandan Kumar (DT19EE007) and Manda Sarvani (BT21EC012) won the first, second and third prizes, respectively.

2. International Day for the Elimination of Violence against Women

NIT Mizoram observed the International Day for the Elimination of Violence against Women at Virtual Classroom, Academic Block-3, on 29th November 2022. Mrs Sylvie Zo Ralte, Addl District Sessions Judge, Champhai, was invited to deliver a talk on “Implementation of Sexual Harassment of Women at Workplace (Prevention, Prohibition And Redressal) Act, 2013 & its related matters”. Students and faculty actively participated in the talk and made it an enriching experience.



3. Vigilance Awareness Week 2022:

NIT Mizoram organised “Vigilance Awareness Week” in November 2022. The various programmes and activities were organised as per the instructions of the Ministry of Education, Govt. of India.



a. Pledge Taking: 31 Oct. 2022 at 11.00 AM at Administrative Block.

b. Essay Writing Coemption: Theme “Corruption Free India for a Developed Nation” on 4th Nov. 2022

Winners (English)	Winners (Hindi)
1. Shubham Kumar	1. Vikash Kumar
2. Shashank Kumar Singh	2. Ms. Chandni Kumari
3. Vikash Singh	3. Vikash Singh

c. Activity outside the Institute:
Organized a public meeting with the Village Council members at Lengpui on 9th Nov. 2022



d. Expert Lecture: On the theme “Corruption Free India for a Developed Nation” by Shri C. Lalsawta, IAS (Retd), Chairperson, Lokayukta Mizoram on 29th Nov. 2022 at Virtual classroom, NIT Mizoram.



4. Samvidhan Diwas / Constitution Day

National Institute of Technology Mizoram celebrated 'Samvidhan Diwas (Constitution Day)' on 26th November 2022. The theme for this year's celebration was 'India-The Mother of Democracy'. The 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 organised a seminar on Constitution Day wherein Prof. Ayangbam Shyamkishor, Department of Political Science, delivered a talk on the Indian Constitution.



NIT Mizoram celebrates Constitution day on 26 November 2022



EVENTISTRY



IIT Madras Alumni-Extramural Lecture Series



ORIENTATION PROGRAMME FOR B. TECH FIRST-YEAR STUDENTS



SIXTH CONVOCATION



SIXTH CONVOCATION



National Institute Of Technology Mizoram



National Institute Of Technology Mizoram

National Institute Of Technology Mizoram



॥ विद्याधनं सर्वधनप्रधानम् ॥

Wealth of Knowledge is the Most Precious Wealth