



राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम National Institute Of Technology Mizoram

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The Compendium

**APRIL 2023
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Monthly Newsletter

Director's Message



Prof. S. Sundar
Director
NIT Mizoram

Greetings !!

This is the Tenth 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 April, 2023.

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

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 Tenth 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, for the month of April 2023.

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.

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RESEARCH AND DEVELOPMENT

❖ WORKSHOPS/CONFERENCES/STTP/ EXTRA-MURAL

1. Talk on **Brilliant Best Practices in IT Organisations, Opportunities and Challenges**

National Institute of Technology Mizoram
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India
Chaltlang, Aizawl, Mizoram - 796012, INDIA

Talk on
**BRILLIANT BEST PRACTICES IN
IT ORGANISATIONS,
OPPORTUNITIES AND
CHALLENGES**

Distinguished Speaker

Dr. Hema Gopal
Former Vice President
Tata Consultancy Services

Patron

Prof. S. Sundar
Director
NIT Mizoram

Organized by
NIT Mizoram
Time: 5:30PM (IST)
Date: April 26, 2023
Meeting ID will be Provided to Registered Participants

Registration Link:
<https://forms.gle/PqHShy7p5Ze4ys1P9>

No Registration Fee

Last Date and Time of Registration
26.04.2023 Till 5:00PM

❖ PUBLICATION (Journal/Conference/Book Chapter)

1. Joseph Selvi Binoj, Mariatti Jaafar, Bright Brailson Mansingh, Ajmal Koya Pulikkal, "Comprehensive Investigation of Areca Catechu Tree Peduncle Biofiber Reinforced Biocomposites: Influence of Fiber loading and Surface Modification" Biomass Conversion and Biorefinery. (10.1007/s13399-023-04182-02023)
2. S. Jana, P. K. Biswas, T. S. Babu and H. H. Alhelou, "An Improved Parametric Method for Selecting different types of Tesla Transformer Primary Coil to Construct an Artificial Lightning Simulator", IEEE, Access Volume: 11 & 2023 (10.1109/ACCESS.2023.3250181)
3. Minakshi Boruah, Ranjita Das, "CaDenseNet: A Novel Deep Learning approach using Capsule Network with attention for the Identification of HIV-1 Integration Site" Neural Computing and Applications (2023 h <https://doi.org/10.1007/s00521-023-08585-y>)
4. Mercy Lalthangmawii, Ranjita Das, Robert Lalramhluna, "Mizo News Classification Using Machine Learning Techniques" FFICTA 2022 conference (2978-981-19-7512-7)
5. Enderaaj Singh, Sukanta Roy, Ke San Yam, and Ming Chiat Law "Numerical Analysis of H-Darrieus Vertical Axis Wind Turbines with Varying Aspect Ratios for

Exhaust Energy Extractions", Energy (2023 doi:10.1016/j.energy.2023.127739) Vol 277, pp. 127739 (1-20)

6. Soibam Monika Devi, Sanasam Vipej Devi & Tekcham Gishan Singh, "Behaviour of High Strength Steel Circular Hollow Section Subjected to Torsion - a Finite Element Study" 1st International Conference on Sci/Tech and Engineering,

❖ **WORKSHOPS/CONFERENCES/STTP/FDP ATTENDED**

1. Sk Enamul (Research scholar, Mathematics) Attend a four-day workshop "Algorithm and their Mathematical Foundations for application" organized by Mathematical Sciences Institute, Belagavi on April 21-24, 2023
2. Sk Enamul (Research scholar, Mathematics) attend "Brilliant Best Practice IT Organizations, Opportunities and Challenges" organized by NIT Mizoram

FACULTY AWARDS & ACHIEVEMENTS

1. Prof. S. Sundar, Director, NIT Mizoram, was SERB-SIRE member of Programme Advisory Committee at NEHU Shillong from 27th to 28th April 2023.
2. Prof. S. Sundar, Director, NIT Mizoram was a Selection Committee Expert for the recruitment of Registrar, NIT Rourkela, Odisha, in the month of April.
3. Prof. S. Sundar, Director, NIT Mizoram attended the SERB-POWER PAC meeting on 25th April 2023.
4. Prof. Saibal Chatterjee, Department of Electrical Engineering, has been invited to South Asia Working Group - IEEE Smart Village.
5. Dr. Pabitra Kumar Biswas, awarded as a Fellow of The Institute of Engineers in April 2023
6. Dr. H. Lalhmingsanga received a project of 77 lakhs on "Gasification of Agro residues and Municipal Solid Wastes for Decentralized Power Generation" by DRDO

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

1. Prof. S. Sundar, Director, NIT Mizoram delivered a Keynote address at the International Workshop IWAMMES 2023 at S. K. Institute of Technology Jaipur on 21st April 2023.
2. Dr. Shuchi delivered an expert talk on **Significance of Non-Verbal Communication** in a workshop on Aspects of Effective Communication, Govt. Johnson College Aizawl, Mizoram on 18th April 2023.
3. Dr. Sukanta Roy was invited to Lecture to the staff and students on **Wind Energy Sustainability** organized by Curtin University, Dubai on 17th April 2023.
4. Dr. Pabitra Kumar Biswas chaired a session in the International Conference on Smart Grid and Electric Vehicle-2023 on 3rd April 2023.
5. Prof. Saibal Chatterjee, Department of Electrical Engineering, has been invited to South Asia Working Group - IEEE Smart Village.

STUDENTS ACHIEVEMENTS

1. Avishek Gope of B. Tech CSE 3rd year has been selected for a research internship at the prestigious Karlsruhe Institute of Technology, Germany.
2. Minakshi Boruah, a research scholar in CSE has been selected for a research internship at the prestigious Karlsruhe Institute of Technology, Germany.
3. NIT Mizoram students bagged the Second and the Third positions in IDEA PITCHING COMPETITION organized as a part of HackVenture conducted by Computer Science Society- NIT Mizoram in collaboration with Mizoram Police Department.





माता भूमिः पुत्रो अहं पृथिव्याः॥अथर्ववेद
(O EARTH! YOU ARE OUR MOTHER, AND WE ARE YOUR OFFSPRING. ATHARVAVEDA)
