



National Institute Of Technology Mizoram

राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम

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The Compendium

Monthly Newsletter

Vol. I, Issue XII, June 2023

Director's Message



Prof. S. Sundar
Director
NIT Mizoram

Greetings !!

This is the Twelfth 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 JUNE 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
Associate Professor
Dept. of HSS (English)

Warm Greetings !!

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

The highlights of the current issue encompass academic & outreach activities and a wide spectrum of research & development for the month of JUNE 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. Extra-Mural on Research and Opportunities at IIT Gandhinagar by Dr. Amit Arora, Associate Professor, Dept. Of Material Engineering, IIT Gandhinagar on 2nd June 2023.

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

Presents
A Popular and Extramural Lecture
on
Research Opportunities at
IIT Gandhinagar

Speaker

Dr. Amit Arora
Associate Professor
Dept. of Materials Engineering
IIT Gandhinagar

Patron

Prof. S. Sundar
Director
NIT Mizoram

Time: **03:00-04:00 PM (IST)**
Date: **June 02, 2023**
Venue – Seminar Room,
Administrative Block, NIT Mizoram
Hybrid Mode

Google Meet link: <https://meet.google.com/skf-cnez-uru>

2. Extra-Mural on Andragogy – The Art of Teaching Adults by Prof. S. Arul Jayachandran, Dept. of Civil Engineering, IIT Madras on 6th June 2023.

❖ **PUBLICATION (Journal/Conference/Book Chapter)**

1. Kanthala Uma Reddy, Bachu Deb, Bidesh Roy, “*Experimental Study on Influence of Aspect Ratio and Auxiliary Blade Profile on the Performance of H-Type Darrieus Wind Rotor*” Arabian Journal for Science and Engineering (<https://doi.org/10.1007/s13369-023-08049-4>).
2. Sukanta Debnath , Upama Das ,Pabitra Kumar Biswas, Belqasem Aljafari and Sudhakar Babu Thanikanti, “*Design and Control of Multicoil Active Magnetic Bearing System for High-Speed Application*” Energies, 2023.

FACULTY AWARDS & ACHIEVEMENTS

1. FACULTY PROMOTION

Department of Basic Sciences & Humanities and Social Sciences



Dr. Shuchi
Associate Professor (English)



Dr. Vinay Singh
Associate Professor (Mathematics)

Department of Mechanical Engineering



Dr. Saurav Suman
Asst. Prof. Grade-I

Department of Computer Sciences & Engineering



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Asst. Prof. Grade-I

Department of Electrical Engineering



Dr. Suman Majumder
Asst. Prof. Grade-I



Dr. Krishnarti De
Asst. Prof. Grade-I



Dr. Anagha Bhattacharya
Asst. Prof. Grade-I

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

1. Prof. S. Sundar, Director, NIT Mizoram, delivered a Keynote Talk at ICMMETC 2023 at Woxen University, Hyderabad, on 25th June 2023.
2. Prof. S. Sundar, Director, NIT Mizoram, attended Visitor's Conference at Rashtrapati Bhavan from 10th June to 11th June 2023.
3. Prof. S. Sundar, Director, NIT Mizoram, attended Plenary Talk at ICRAFMN 2023, Manipal Institute of Technology Bangalore, from 13th June to 14th June 2023
4. Prof. Saibal Chatterjee delivered a talk on *Impact of Non Standard Waveform in Protection of High Voltage Insulation* at Workshop on Recent Developments in High Voltage Insulation (RDHVI) by the Department of Electrical and Electronics Engineering, University College of Engineering, JNTU Kakinada on 23rd June 2023.

❖ OUTREACH ACTIVITIES

IEEE Smart Village South Asia Group- NIT Mizoram collaborative workshop conducted on 9th June 2023 on safe and simple electrical kits that provide projects for the children to assemble and operate. Each kit is expected to be used with 25-30 children over a six-month period, so that each child can get hands-on experience of the almost 100 projects in the kit. Prof. Saibal Chatterjee co-ordinated the outreach activity along with Dr. Ramesh Kumar, Mr. Lalrin Mawia, Technical assistant, Mr. H. Chhandama (B.Tech-EEE), Mr. M. Sitaljit Singha (M.Tech-EEE), Mr. Chandan Kumar (Research Scholar-EEE).





❖ RESEARCH OUTLOOK @ NIT MIZORAM

Kanthala Uma Reddy is a full-time research scholar in the **Department of Mechanical Engineering**, specializing in wind turbines, particularly vertical axis wind turbines. His research primarily focuses on enhancing the efficiency, stability, and cost-effectiveness of wind energy systems. He is actively involved in studying and improving Darrieus wind turbines. With ongoing research efforts, wind turbine technology will continue to evolve, playing a vital role in shaping our future energy landscape and mitigating the challenges posed by climate change.



EVENTISTRY



Extra-Mural on Research and Opportunities at IIT Gandhinagar by Dr. Amit Arora



संरक्षेद्दूषितो न स्याल्लोकः मानवजीवनम्।

TO SAFEGUARD OUR OWN LIVES, LET'S NOT POLLUTE THE WORLD