



राष्ट्रीय प्रौद्योगिकी संस्थान मिज़ोरम National Institute Of Technology Mizoram

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The Compendium

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Monthly Newsletter

Director's Message



Prof. S. Sundar
Director
NIT Mizoram

Greetings !!

This is the Eighth 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 February, 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 Eighth 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 February 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/FDP CONDUCTED

✚ A one-day awareness program on IPR on 17th February 2023

A one-day awareness program on IPR was organized by 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 program 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.

The programme enlightened the participants about the importance of IPRs and different opportunities in MSMEs.



✚ SERB funded Karyashala on “Hands on Training on Synthesis and Characterisation of Ferroelectrics”

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.



❖ PUBLICATION (Journal/Conference/Book Chapter)

1. Dwaipayan Roy & Shuchi, “Jim Morrison: A Rebel Poet in American Literary Tradition beyond the Veil of Pop Icon” 7th International New York Academic Research Congress FEB-18-20 Conducted by BZT Academy (Turkey), International New York Academic Research Congress on Humanities and Social Sciences Proceedings Book with ISBN: 78975005446.
2. Bhattacharjee, C. Koley, S. Chatterjee, “Blockchain-based clean and green energy Trading System” ICCDI 2023 International Conference on Curriculum Development and Improvement, 2023 in Helsinki, Finland Accepted in Feb 2023

3. Naveen Kumar Boddukuri, Debasish Pal, Ayan Kumar Bandyopadhyay, and Chaitali Koley, "Comprehensive Analysis of Energy Efficiency Using Cooperative Spectrum Sensing Network" Wireless Personal Communications, DOI: <https://doi.org/10.1007/s11277-022-10123-3>
4. Madutha Santosh Kumar, Santigopal Maity, Soumojit Shee, Ayan Kumar Bandyopadhyay, Debashish Pal, and Chaitali Koley, "eDesign Studies of Re-Entrant Square Cavities for V-Band Klystrons", Electronics. DOI: <https://doi.org/10.3390/electronics12010006>
5. Bikash Chandra Bag, Hirak Kumar Maity, Chaitali Koley, "UNet MobileNetV2: Medical Image Segmentation using Deep Neural Network (DNN)" Journal of Mechanics of Continua and Mathematical Sciences, Vol.-18, No.-01, pp. 21-29, Jan 2023.
6. Minakshi Boruah, Ranjita Das, "Transfer Learning-Based Advanced Deep Learning Architecture for the Identification of HIV-1 Integration Sites Using Imbalanced Dataset", FICTA 2022. Smart Innovation, Systems and Technologies, Vol 327. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-19-7524-0_42

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

1. Sathyenar Sreepada (Research Scholar, Mathematics) attended A 5-Day International Workshop Applicable Mathematics for Science and Engineering - Recent Advances, VIT-AP University, Andhra Pradesh, India, 16th to 20th February 2023

Y20 INDIA INCEPTION MEET

6-8TH FEBRUARY, 2023

GUWAHATI, ASSAM

The Y20 India Inception Meet was held in Guwahati, Assam, from 6-8th February 2023. As India assumed the G20 Presidency on 1st December 2022. As the host of the G20 Presidency for 2023, India has the historic opportunity to set the agenda and drive discussions on key global concerns across G20 member countries.

NIT Mizoram students actively participated in the Y20, and engaged in panel discussions, cultural activities, Yoga sessions etc.



Group Photo: Team NIT Mizoram with Shri Anurag Singh Thakur, Honorable Minister of Youth Affairs and Sports with Education Minister of Assam and Y20 Secretariat Team.

EVENTISTRY





one-day awareness program on IPR on 17th February 2023



Welcome at Guwahati airport



Team NIT Mizoram with Shri Nisith Pramanik, Honorable Minister of State for Home affairs, Youth Affairs and Sports.



Mr. B. Santosh Kumar, PhD Scholar, ECE dept- First Participant in Y20 Inception Meet



Ms. Arya Sinha, B.Tech 2nd year, ECE interaction with panellist



अशक्यं प्रकृतेः ऋते जीवनम्
(THERE IS NO LIFE WITHOUT NATURE)
