



राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

**THE
COMPENDIUM**

August 2022
Vol.~ I, Issue~ II

Monthly Newsletter

Director's Message



Prof. S. Sundar
Director
NIT Mizoram

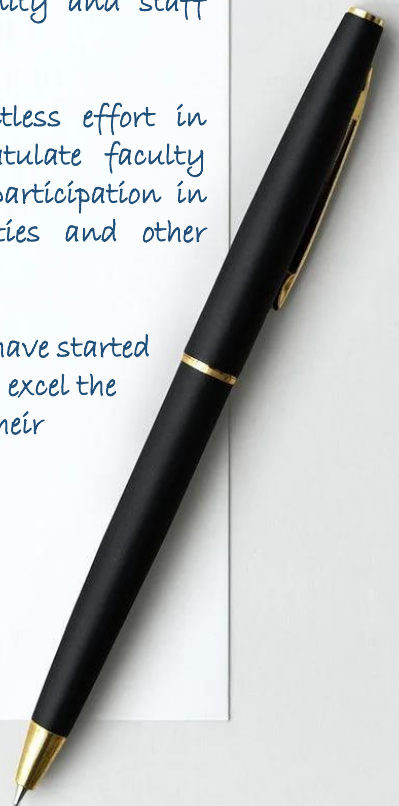
Greetings !!

This is the second 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 August, 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.

It gratified me to share that from this month we have started Extramural lecture series in all the departments to excel the Students in various emerging fields apart from their curriculum.

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 second 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 wide spectrum of research & development at NIT Mizoram for the month of August, 2022..

The 'EVENTISTRY' section displays memorable moments of 76th Independence day celebration and Motivational talk delivered by Maj. Gen. Rajiv Thapar.

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 helps and technical supports.

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

❖ Extramural Talks or Lectures

<u>Sl. No.</u>	<u>Topic</u>	<u>Resource Person</u>	<u>Date</u>
1.	On the Spectral Theorem	Dr Kunal Krishna Mukherjee IIT Madras	10-Aug-2022
2.	Introduction to the Hilbert Space Operators	Dr Kunal Krishna Mukherjee IIT Madras	08-Aug-2022
3.	C* Algebras on Von Neumann Algebras Part 1	Dr Kunal Krishna Mukherjee IIT Madras	11-Aug-2022
4.	C *Algebras on Von Neumann Algebras Part 2	Dr Kunal Krishna Mukherjee IIT Madras	12-Aug-2022



❖ PUBLICATION (Journal/Conference/Book Chapter)

1. **Saurav Suman**, P. Biswas, "Microstructural, Strength and Residual Stress Studies on Single- and Double-Side Single-Pass Submerged Arc Welding of 9Cr-1Mo-V Steel Plate" (<https://doi.org/10.1007/s40032-022-00870-4>), J. Inst. Eng. India Ser. C, 2022.
2. **Prasanta M**, Bachu Deb, Rajat G, Shyam S S, "A comprehensive review of fluidized bed drying: Sustainable design approaches, hydrodynamic and thermodynamic performance characteristics, and product quality", (<https://doi.org/10.1016/j.seta.2022.102643>), Sustainable Energy Technologies and Assessments-Elsevier, 2022.
3. **Virendra Pratap Singh**, Basil Kuriachen, "Microstructural and Mechanical Behaviour of Friction-Stir Welded AA6061-T6 and AZ31 Alloys with Improved Electrochemical Corrosion" Journal of Materials Engineering and Performance (Accepted).
4. **Benazir F. Ahmed** and Kaustubh Dasgupta, "A Methodology for Assessing the Component Level Fragility Curves and its Applications to a Class of Integral Abutment Bridges" ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, 2022. [Accepted]
5. **Pabitra Kumar Biswas** "Classical Control Techniques Used in Controlling of An Active Magnetic Bearing System", IEEE 2nd Asian Conference on Innovation in Technology (ASAINCON 2022)
6. **R S Dhar**, "Structure Design Engineering For Optimal Performance of InGaAs Nanowire Junctionless MOSEFT" IEEE Conference (ICICCSP22)
7. **Paikhomba Loktongbam**, Debasish Pal, A.K. Bandyopadhyay, Chaitali Koley, "A Brief Review on mm-wave Antennas for 5G and Beyond Applications" IETE Technical Review-Journal 2022. (<https://doi.org/10.1080/02564602.2022.2121771>)
8. **Anumoy Ghosh**, "A Compact Triple Band Circular Polarised Slotted Micro Strip Patch Antenna with Low Frequency Ratio" International Journal on RF and Microwave Computer Aided Engineering, 2022.
9. **P. B. Nikam**, J. Kumar, A. Baidya, A. Ghosh, "Low-profile bandwidth and E-plane radiation pattern reconfigurable patch antenna for sub-6 GHz 5G applications", AEU-International J of Electronics & Communications, vol. 157, 154415, 2022.

❖ WORKSHOPS/CONFERENCES/STTP/FDP ATTENDED

1. **K. Santha Ram** [Research Scholar, Dept. of HSS (English)] attended a 15-day Global Summer School on SDG UN-Habitat (virtual) organized by **Zhejiang University China** from 01/08/2022 to 15/08/2022.
2. **Esther Vanlalmawii** [Faculty, Dept. of CE] attended an International Conference on Systems, Energy and Environment 2022, Kannur, Kerala, India from 05/08/2022 to 06/08/2022.



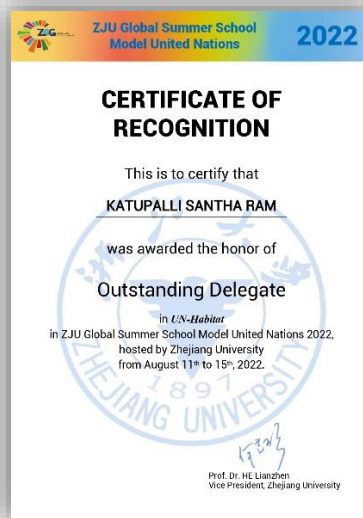
FACULTY AWARDS & ACHIEVEMENTS

❖ EXPERT/INVITED TALK /SESSION CHAIRED IN WORKSHOP/STTP/CONFERENCE:

1. **Dr. Pabitra Kumar Biswas** (Asst. Prof. Dept. of EEE) chaired a session in IEEE 2nd Asian Conference on Innovation in Technology (ASAINCON 2022), 26/08/2022.
2. **Dr. Pabitra Kumar Biswas** (Asst. Prof. Dept. of EEE) delivered an expert lecture as a Guest Speaker during this webinar titled "Brief Introduction & Application of Magnetic Levitation" Levitation", held on 23rd August 2022, organized by, the Department of Electrical Engineering, Gargi Memorial Institute of Technology, Kolkata 700144.
3. **Dr. Suman Majumder** delivered a lecture as the keynote speaker in a 5 Days National FDP on "Recent Trends in Technological Advancement for Sustainable Society in the Area of Engineering 2022' (RTASsE-2022) organised by Siliguri Institute of Technology from 8-12 August, 2022.

STUDENTS ACHIEVEMENTS

1. **K. Santha Ram** [Research Scholar, Dept. of HSS(English)] was awarded the honor of '**Outstanding Delegate**' in *UN Habitat* in ZJU Global Summer School Model United Nations 2022, hosted by Zhejiang University from 11/08/2022 to 15/08/2022.
2. **Sharda Kumari** (B. Tech, 2nd Year, Dept. of CE) got selected for '**Software Engineering Internship**' by Microsoft India (R&D) Pvt. Ltd. for 2023 through Microsoft Engage 2022 Programme.



EVENTISTRY

Celebration of 76th Independence Day



EVENTISTRY

Motivational Talk by
Maj. Gen. Rajeev Thapar
(Commandant, CIJWS, Vairengte)



॥ धन्यः अस्मि भारतत्वेन ॥

(BLESSED TO BE AN INDIAN)