

# International Conference On MULTIDISCIPLINARY APPROACH IN TECHNOLOGY AND SOCIAL DEVELOPMENT (ICMATSD-2023)

In Association with



26th & 27th May 2023



Maitrey Educational Society's

## NAGARJUNA INSTITUTE OF ENGINEERING TECHNOLOGY & MANAGEMENT

[NIETM], Village-Satnavri, Amravati Road, Nagpur. (Maharashtra) INDIA

Approved by AICTE, DTE, Govt. Maharashtra,  
Affiliated to RTM Nagpur University, Nagpur.



Web: [www.nietm.in](http://www.nietm.in)



## **ABOUT NIETM**

Maitrey Educational Society's, Nagarjuna Institute of Engineering, Technology and Management is established in the year 2009 & affiliated to Rashtrasant Tukdoji Maharaj Nagpur University. It is kind of institute promoted and managed by a team of well qualified engineers having vast industry experience in diverse fields. Its sprawling campus spread over 12 acres of land situated in the outskirts of Nagpur city is a testimony to the commitment of management to quality education and all-round grooming of students.

## **VISION**

- To develop a knowledge-based society with the clarity of thought and to come forward to learn, go forth to serve and excel in academics.
- To achieve excellent standards of quality education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with capabilities of accepting new challenges.

## **MISSION**

- To be the premier institute for promoting & pursuing multidisciplinary engineering & management.
- Attain a significant educational presence in the region.
- Develop a community of scholars with talent and expertise that will participate in engineering excellence and National development.
- Our efforts are dedicated to impart quality and value-based education to raise satisfaction level of all stakeholders. Our strength is directed to create competent professionals. Our endeavor is to provide all possible support to promote research and development activities.

## **ABOUT THE CONFERENCE**

**ICMATSD 2023** is organized by Maitrey Educational Society's Nagarjuna Institute of Engineering, Technology and Management, Nagpur in view of the rapidly changing scenario after post Covid situation. The world has experienced traumatic situations during COVID era and new challenges appeared before all the areas to overcome deadly situations faced by every individuals. Every area of research is finding new ways in view of survival issues and lead to new dimensions. The approach is being changed and the society has started living life with changing scenario. In our view there is need to contribute every area of research to protect civilization. The pandemic compelled us to work rigorously for the livelihood in collaboration of all technology. Education and many jobs are shifted to online mode. We have adapted the best suitable scheme to work in hybrid mode. It is need of the hour to discuss on multidisciplinary aspect & social development. Hence, we have scheduled this conference in which researchers from across the world will participate & exchange the ideas to deem fit for social development.



## OBJECTIVE OF CONFERENCE

- To provide an excellent platform for students, researchers, academicians and industry to share the development results of the most cutting-edge fields in their domain areas.
- It will also be committed to providing face-to-face interaction for representatives from different fields to exchange new ideas and application experience, establish a business or research relationships, and find opportunities for future endeavors.
- This International conference is to create space for presentation of current results of scientific work in the field of contemporary public administration, public economy, social and regional policy.
- The conference is also a space for creating collaborative links between academics and professional practitioners and their workplaces, aiming at long-term sharing of knowledge and discussions of highly current issues.

## ABOUT NAGPUR

Nagpur is the third-largest city and the winter capital of the Indian state of Maharashtra and the most developed city in the region of Vidarbha. It is the 13th largest city in India by population and according to an Oxford's Economics report, Nagpur is projected to be the fifth fastest growing city in the world from 2019 to 2035 with an average growth of 8.41%. It has been proposed as one of the Smart city in Maharashtra and is one of the top ten cities in India in Smart City Project execution.

In the latest rankings of 100th developing smart cities given by the Union Ministry of Urban Development, Nagpur stood first in Maharashtra state and second in India. Known as the "Orange City", Nagpur has officially become the greenest, safest and most technologically developed city in the Maharashtra state.

Deekshabhoomi is a sacred monument of Navayana Buddhism located at Nagpur city in Maharashtra state of India, where Dr. B. R. Ambedkar, embraced Buddhism with approximately 600,000 of his followers mainly scheduled caste peoples on Ashoka Vijaya Dashami on 14 October 1956. Ambedkar revived Buddhism in India.

The replica of famous Taj Mahal, Bibi ka Maqbara, world heritage Ajanta and Elloracaves, Pilgrimage centre Shirdi and Gajanan Maharaj's Shegaon is within reach by less than 6hrs journey by road from Nagpur. Asia's longest double decker bridge in metro city. Project Tiger Tadoba, natural sites of Pench sanctuary are within 3 hrs journey from Nagpur.



**The ICMASTD-2023 is an International Conference focusing on the following themes of interest for submission but not limited to:**

**Track 1.CSE / IT / Data Science / AIML / AIDS / C-Tech. Engg.**

- Computer Architecture and Real time Systems
- Use of Data bases, Data Mining and Big Data in Social Cause
- Deep Learning, Machine Learning & Applications
- Geographical Information Systems / Global Navigation Satellite Systems (GIS/GNSS)
- IT Policy and Business Management
- Importance of Natural Language Processing in daily routine life.
- Soft Computing (AI, Neural Networks, Fuzzy Systems, etc.)

**Track 2. Mechanical / Production / Automobile / Metallurgy Engineering**

- Material science and technology.
- Ceramic and composite materials
- Solar cell manufacturing
- Product design and development
- Automations and Robotics
- Green hydrogen manufacturing
- Sustainable manufacturing technology
- Heat radiations transfer through solar panel
- Thermodynamics

**Track 3.Civil Engineering (Structural Engg. / Geology / Environmental Engg. / Transportation Engg. / Geo-Technical Engg.)**

- Structural Engineering including Steel, Composite, Reinforced Concrete and Masonry Structures
- Bridge Structures
- Analysis and Design of Pavements
- Geotechnical Modelling, Analysis and Design
- Foundation Engineering
- Environmental Engineering
- Transport and Highways Engineering
- Water Resources Engineering
- Earthquake Engineering

## **Track 4. Electrical / ETC / Electronics and Power / Power Engg.**

- Power Converter technologies and design
- Electric Vehicles
- Electric Machines, actuators and sensors
- Motor control and drives
- Energy Management in Industry
- Renewable Energy
- High Voltage Engg. and Insulation
- Computer aided Design for Electrical Engg.
- Fuzzylogic controllers and PLC&SCADA
- Smart Grid.

## **Track 5. Applied Science and Allied Engg.**

- Applied Physics
- Applied Chemistry
- Chemical Engineering
- Organometallic Compound
- Biomedical Engineering/Computational Chemistry
- Nano Technology
- Applied Mathematics and Computation
- Number theory and Arithmetic geometry
- Numerical Analysis and Scientific Computing
- Electrochemical Energy devices
- Optical Physics and Quantum Mechanics
- Technological Advancement in Judiciary
- Cyber Policy

## **Track 6. Humanities**

- Higher Education Theory and Practices
- Eco criticism
- The Role of Proper English Pronunciation in enhancing better personality

## **Track 7. Management**

- Role of Management in Social and Technological Development.
- Post COVID Need of stress management
- Marketing Management plays important role in increasing standard of living of society
- Human resources management leads to National Development
- Economic growth of a country has a major reliance on its Financial Management
- Technology and Innovation is a major aspect in Product development

**The above topics are indicative. Any other sub theme related to the main theme of the conference can be considered.**

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## REGISTRATION DETAILS

Authors	Amount
Industry	3000/-
Faculty / Academician	1500/-
Research Scholar / UG / PG Students	1200/-
Foreign Delegates (Academician)	100 USD
Foreign Delegates (Students)	50 USD

**Note :** The registration fees include conference kit / bag, published issue / journal, tea, breakfast & lunch.

## SUBMISSION GUIDELINES

1. All Accepted papers will be published in **Peer reviewed refereed & UGC listed Journal No. 47023 "GALAXY LINK" ISSN 2319 - 8508 with Impact Factor 7.878.**
2. Single or Double-Blind Peer Review
3. Full paper must be written in English (Times New Roman) as a Microsoft Word format.
4. Font Size 12 and line spacing should be 1.5
6. Word limit of the article should be 1500 to 2000 maximum. (Including tables, references etc.)
7. Please email your original manuscript mentioning your name, contact details and email Id to:

**icmatsd@gmail.com** before 15th May, 2023.

## MODE OF PAYMENT



Phone Pe, Google Pay no.

**Ashwini Prashilkumar Ingle (Walde)**

**8007175164**

Interested candidates can submit the registration fee through online & offline transaction to the bank account details given below

Account Name : **Nagarjuna Institute of Engineering  
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Account Number : **366001010036993**  
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Branch : **Dhantoli, Nagpur. (M.S.) INDIA**  
IFSC Code : **UBIN0536601**

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**VENUE**

