

International Conference on Recent
Trends in Engineering and Technology
(ICRTET- 2024)
(Hybrid Mode)

21st-23rd December, 2024

Organized by



Department of Mechanical Engineering
JNTUH University College of Engineering,
Science & Technology
Hyderabad 500085

&

Energy Centre,
Maulana Azad National Institute of Technology,
Bhopal

Objective of the Program

In the recent years, the research in Mechanical Engineering has progressed towards emerging areas such as processing of Advanced Materials, Micro/Nano Manufacturing, Microfluids, Energy Harvesting and Utilization, Biomechanics, Medical Robotics and Precision Mechatronics.

The main objective of the Conference is to create awareness among young Mechanical Engineers about the current advances of Research and importance of the knowledge of solving real life and industrial problems in the process of achieving the individual, collective and societal goals with sustainable technology, processes and products. The conference aims at inspiring young minds by presenting a platform to listen to eminent Researchers and achievers and also to present their work in front of experts and peers. The key topics of the Conference include, but not limited to:

- Thermal Engineering
- Manufacturing Engineering
- Materials Engineering
- Design Engineering
- Industrial Engineering
- Energy Harvesting
- Phase Change Materials
- Battery Technology
- Biomass Energy
- Hydrogen fuel Cell
- Bio Energy
- Waste Management
- Engine & Fuels
- Computational Fluid Dynamics
- Machine Learning
- Electric Vehicles
- Environment Friendly Energy
- Electro, Mechanical, and Chemical Energy Systems
- Energy Storage Devices
- Hydrogen Energy Technologies
- Climate Change and Global Warming
- Energy Policies and Economics
- Artificial Intelligence
- Nano and Bio Materials

All the accepted papers will be publishing in reputed journals like SCI/Scopus/Web of Science. At least one author of accepted papers is required to register.

About JNTUH UCETH and Department of Mechanical Engineering

JNTUH University College of Engineering, Science & Technology Hyderabad (UCETH), Kukatpally, Hyderabad, earlier known as Nagarjuna Sagar Engineering College, since its inception in the year 1965, has earned great reputation and fame across India and all over the world. In 2008, when JNTU is divided into four Universities by the Ordinance of the Govt. of A.P., the College is retained as a Constituent College of JNTUH.

The Department of Mechanical Engineering is one of the Departments existing since 1965, the year of inception of the College. The Department offers five PG programs and Regular & Integrated UG programs.

About MANIT Bhopal

Maulana Azad National Institute of Technology (MANIT) is one of the leading institutions of national importance in technical education. Established with the objective of developing a 'Centre of Excellence in Central India, it aims at becoming a multi-disciplinary centre for technical education by strengthening both teaching and research activities besides contributing to the needs of rural community, society and industry at large. The Institute is located on a plateau of about 650 acres in the midst of Bhopal, the capital of Madhya Pradesh.

MANIT has a well-equipped campus and offers Bachelors, Masters and Doctoral programmes. MANIT collaborates with multiple foreign Institutions and Industries for Research and Development. It has established Centres of Excellence in Artificial Intelligence, Smart Manufacturing, Water Resource Management and Cable Technology. MANIT has seamless internet connectivity in the entire campus and has recently added a Central Computing Facility, a Central Research Facility and a Data Centre.

Energy Centre at MANIT Bhopal

MANIT was chosen as the nodal centre for energy theme under Indo-UK RECs project in 1994 by Government of India. Energy centre, MANIT Bhopal was inaugurated by the former president of India late Dr. Shankar Dayal Sharma on 12 July 1997. Energy Centre premises have a built up area of about 3000 sq m. Many associated faculty members have received extensive training in specialized fields of energy in different British Universities and industries under indo- UK RECs project. The centre has developed nine laboratories in various specialized area like energy conservation, energy audit solar thermal and PV technology, wind energy, heat transfer systems etc.

In 2004, Department of Energy was created for Post-graduate and PhD program and in 2007 it became the pioneer in India to start Under-graduate program in Energy Engineering, with intake of 40 students. Many research and development projects and consultancy projects were taken up and completed by the energy centre. The centre is currently running Two PG program; M.Tech in Renewable Energy and M.Tech in Energy System Management. The Ministry of New and Renewable Energy, MNRE Govt. of India, has recognized the Energy Centre for award of Post-graduate Fellowships for M.Tech as well as Ph.D. program.

Call for Papers

The Conference will consist of both Paper Presentations and Invited Lectures by eminent speakers. Those who wish to participate in the Conference can send drafts of full papers of their work in English, as per the template enclosed in the website: www.jntuhceh.ac.in, along with title, authors, mailing address with telephone numbers to the organizing secretary. Author should take care of originality of work which is less than 20% of similarity index and contains research gap, novelty of work with objectives. Among the selected papers, top most 50 quality papers are going to publish in CRC Press and remaining papers will published in conference proceedings.



Download template of the conference from the this link:

<https://drive.google.com/drive/my-drive>

Upload the document here:

https://docs.google.com/forms/d/1KBdJvzOWDYQg0u3Tj5kbCkv_SBumruABUV1_hlMxjg/edit

Important Dates

Announcement & Call for Papers : 25/03/24
Deadline for Full paper submission: 25/11/24
Notification to author : 26/11/24
Dates of Conference : 21st -23rd Dec-24

Registration Fee

Faculty/ Industry Participants : Rs: 3,000 /-
Research Scholars : Rs: 2,500/-
Student Participants : Rs: 2,000/-
Attendees : Rs: 1,000/-

Account Details

Name: **ICRTET MED JNTUHUCESTH**
A/C. No.: **103412010001408**
IFSC Code: **UBIN0810347**
JNTU CAMPUS BRANCH
JNTU CAMPUS, KUKATPALLY,
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Dept. of ME

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&

Prof. Prashant V Baredar
Head, Centre for Energy, MANIT Bhopal, India

Co-Coordination

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Assistant Professor (Contract)
JNTUH UCEST Hyderabad, India
&

Dr. Gaurav Dwivedi

Assistant Professor, MANIT Bhopal, India

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Registration Form
International Conference on Recent
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21st -23rd Dec-24

Name: _____

Highest Qualification: _____

Designation: _____

Organization: _____

Address: _____

Email ID: _____

Phone No: _____

Date: _____ Signature of the author

