2nd Indian International Conference on Industrial Engineering and Operations Management
Warangal, India during August 16-18, 2022
Hosts: NIT Warangal and JNTU Hyderabad
Venue: NIT, Warangal
Website: http://ieomsociety.org/india2022/

About IEOM Society
“IEOM Society International is a 501(c)(3) non-profit organization incorporated in the State of Michigan, USA.”

Vision: The IEOM Society International strives to be the premier global organization dedicated to the advancement of industrial engineering and operations management discipline for the betterment of humanity.

Mission: IEOM Society’s core purpose is to globally foster critical thinking and its effective utilization in the field of Industrial Engineering (IE) and Operations Management (OM) by providing means to communicate and network among diversified people, especially in emerging countries, motivated by similar interests.

Values:
- Globalization, Diversity, and Inclusion
- Innovative and Entrepreneurial Thinking
- Student Empowerment and Mentoring
- Professional Development and Lifelong Learning
- Building Partnerships among Industry, Academia, and Government
- Sustainability and Community Development

About NIT Warangal
National Institute of Technology, Warangal (Deemed University), formerly known as Regional Engineering College, was established in 1959. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959, the first in the chain of 30 NITs (formerly known as RECs) in the country. The Institute offers eight undergraduate programmes (B.Tech.,) in engineering. Twenty nine post graduate programmes (M.Tech., M.Sc., MCA and MBA) in engineering, sciences and management and research programmes in engineering, sciences, humanities, physical education and management. The institute is well-known for its Research and Development, Industrial consultancy, Continuing education and Training programmes for teachers and industrial personnel. NIT Warangal is a residential institute located in a beautiful wooded land of about 248 acres with nearly 3355 (UG : 2251 & PG : 1104) students apart from nearly 269 Ph.D., (150 Full Time and 119 Part time) Scholars. It is a self-contained residential campus located in a beautiful wooded land of about 248 acres. It is located on either side of Hyderabad - Warangal highway at a distance of 3 Kms from Kazipet Railway Station and 12Kms from Warangal Railway Station. It is located at a distance of 140 Kms from Hyderabad Airport express high way. The Institute is well known for its dedicated faculty, staff and the state-of-the art infrastructure conducive to a healthy academic environment. Thanks to UNESCO and UK assistance in the past, many developmental activities were undertaken. The World Bank Assistance under Technical Education Quality Improvement Programme (TEQIP during 2004-09) had been a timely help in the overall development of the Institute.

About JNTU Hyderabad
Jawaharlal Nehru Technological University, Hyderabad, was established on 2nd October 1972 by the Legislature of the State of Andhra Pradesh as the first Technological University in the country. It has been in the forefront for the past 50 years in providing quality technological education of relevance in the State of Andhra Pradesh. JNTUH is situated in a sprawling 89-acre campus at Kukatpally, Hyderabad. It has now 4 Constituent Engineering Colleges, one at Hyderabad, one at Kondagattu (Jagityal), one at Manthani and one at Sultanpur (Medak dist.) and 15 other constituent units on Hyderabad campus. JNTUH offers B.Tech. programmes in 24 disciplines and B.Pharm at UG level; Integrated 5-year dual degree Masters programme; M.Tech. Programmes in 68 disciplines, M.Pharm. in 11 disciplines; M.Sc. in 10 disciplines; MCA, MBA and Double Degree Programmes at P.G. level; in addition to the offer of M.S., M.Phil., Ph.D. Research Programmes in various disciplines of Engineering, Technology, Science, Management and Humanities. JNTUH has 423 affiliated colleges spread over the Telangana State. JNTUH has more than 3.50 lakhs students on rolls. The University has Memoranda of University with many national and international organizations.
About the Conference


TRACKS

Topics covering industrial issues/applications and academic research include, but are not limited to:

Track 1: Industrial Engineering & Operations Management
- Engineering Management
- Inventory Management
- Lean
- Production Engineering
- Supply Chain / Supply Chain Sustainability / Green Supply Chain
- Operations Research
- Product Lifecycle Management (PLM)
- Six Sigma
- Sustainable Manufacturing
- Healthcare Operations and Services
- Technology Management

Track 2: Computer Integrated Manufacturing
- Automation and Agility
- Cellular Manufacturing
- Modelling and Simulation
- Sensors and Sensing
- Transportation and Traffic
- Automotive Manufacturing Systems
- Mechatronics & IIoT
- Industry 4.0
- Robotics
- Systems Engineering
- CAD, Applications and Computing
- Systems Dynamics
- Manufacturing science

Track 3: Business Management
- Human Factors and Ergonomics
- Information Systems and Management
- Financial Engineering
- Statistics
- Industrial Services
- Innovation
Track 4: Artificial Intelligence
- Cyber Security
- Data Analytics / Business Analytics
- Decision Sciences

Track 5: Energy
- Renewable Energy sources
- Oil and Gas
- Fuel Cells
- Electric vehicles
- Heat transfer analysis of energy systems
- Defense and Aviation
- Automobile Engineering
- IC Engines & Alternate Fuels

Track 6: Manufacturing
- Additive Manufacturing
- Subtractive
- Nontraditional Manufacturing Process
- Advanced Materials process
- Composite Materials

SPECIAL TRACKS
- Global Engineering Education (GEE)
- Global Business Management Education
- Industry 4.0
- Industry Solutions
- Diversity and Inclusion Panel sponsored by Ford Motor Company
- Women in Industry & Academia (WIIA)

COMPETITIONS
- Undergraduate Student Paper Competition Sponsored by SIEMENS
- Graduate Student Paper Competition Sponsored by EATON Corporation
- Master Thesis Competition
- Doctoral Dissertation Competition
- Senior Capstone Design Project Competition sponsored by Tooling Tech Group
- Undergraduate Research Competition
- High School STEM Competition
- Lean Six Sigma Competition sponsored by Tooling Tech Group
- Simulation Competition
- Supply Chain and Logistics Competition
- Poster Competition

Registration Fees

Onsite Rate: (For International Participants)
- Professional (member): US$ 400/ US$ 450 (Non-member)
- Student (member): US$ 200/ US$ 225 (Non-member)
- Each Additional Paper: US$ 100

Virtual Rate: (For International Participants)
- Professional (member): US$ 200/ US$ 250 (Non-Member)
- Student (member): US$ 100/(Non-member): US$ 125
- Each Additional Paper: US$ 100

For Indian Participants (Special Discounted Rates) and Members from SAARC Countries
- Professional: US$ 100 (Virtual) / US$ 150 (Onsite)
- Student : US$ 50 (Virtual) / US$ 100 (Onsite)
- Each Additional Paper: US$ 100
Submission Link:  

Registration Link:  
https://www.xcdsystem.com/IEOM/attendee/index.cfm?ID=k8aELVN

Deadlines  
Abstract/Paper Submission: April 1, 2022  
Review Feedback: April 30, 2022  
Registration Deadline: July 1, 2022  
Final Paper: July 31, 2022  
Conference: August 16-18, 2022

Conference Patrons/ Honorary Chairs  
Prof. N. V. Ramana Rao  
Director  
NIT, Warangal, India

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Vice-Chancellor  
JNT University, Hyderabad, India

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Department of Mechanical Engineering  
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Authors can submit full paper(s) or abstract(s) only. Authors MUST use the conference template to prepare papers or abstracts. IEOM Society encourages to submit full paper(s). All full papers will be subjected to double peer review. Accepted papers will be published in the Proceedings and indexed in SCOPUS and EBSCO. Any submission implies that an author will present the paper or abstract either virtual or oral presentation based on the situation.

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**Ramappa Temple**

Ramappa Temple, also known as the Rudreshwara temple, is a UNESCO World Heritage Site located in Telangana, India. It is 15 km (9.3 mi) from Mulugu, 66 km (41 mi) from Warangal, 209 km (130 mi) from Hyderabad. An inscription in the temple says it was construction started in the year 1213 CE by Recharla Rudra—a General of Kakatiya ruler Ganapati Deva 1199–1262. Located in the vicinity of Ramappa Lake, the Ramappa Temple complex which consist of three temples was constructed between 1212-1234, designed and architect by Rammapa—after whom the temple complex is named.

**Warangal Fort**

Warangal Fort is located in Warangal District, Telangana, India. It was the capital city of Kakatiya dynasty and Musumuri Nayakas. It appears to have existed since at least the 12th century when it was the capital of the Kakatiyas. The fort has four ornamental gates, known as Kakatiya Kala Thoranam, that originally formed the entrances to a now ruined great Shiva temple. The Kakatiyan arch has been adopted and officially incorporated into the emblem of Telangana after the bifurcation of Andhra Pradesh. The fort is in the "tentative list" of UNESCO World Heritage Site and was submitted by the Permanent Delegation of India to UNESCO on 10/09/2010.

**Charminar, Hyderabad**

The Charminar (lit. 'four minarets') constructed in 1591, is a monument and mosque located in Hyderabad, Telangana, India. The landmark has become known globally as a symbol of Hyderabad and is listed among the most recognised structures in India. It has also been officially incorporated as the Emblem of Telangana for the state of Telangana. The Charminar's long history includes the existence of a mosque on its top floor for more than 400 years. While both historically and religiously significant, it is also known for its popular and busy local markets surrounding the structure, and has become one of the most frequented tourist attractions in Hyderabad. Charminar is also a site of numerous festival celebrations, such as Eid-ul-adha and Eid al-Fitr.

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