



**2nd Indian International Conference on
Industrial Engineering and
Operations Management**
August 16-18, 2022, Warangal, India
Hosts: NIT, Warangal and JNTU, Hyderabad



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/>

Submission:

<https://www.xcdsystem.com/IEOM/abstract/index.cfm?ID=PvafCt5>

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

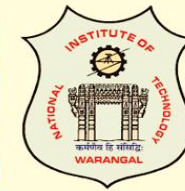
National Institute of Technology, Warangal (Deemed University), formerly known as Regional Engineering College, was established in 1959. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959, the first in the chain of 30 NITs (formerly known as RECs) in the country. 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. N.I.T 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 (Jagithyal), 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.



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About the Conference

IEOM Society International is organizing 2nd Indian International Conference on Industrial Engineering and Operations Management in Warangal, India during August 16-18, 2022. Hosts are NIT Warangal and JNTU Hyderabad, and Venue is NIT, Warangal Conference is planned with Hybrid mode due to current COVID-19 global pandemic. The conference aims to provide a forum for academics, researchers and practitioners to exchange ideas and recent developments in the field of Industrial Engineering and Operations Management. The conference is also expected to foster networking, collaboration and joint effort among the conference participants to advance the theory and practice as well as to identify major trends in Industrial Engineering and Operations Management. IEOM has successfully organized previous international conferences in Bangladesh (2010), Malaysia (2011), Turkey (2012), Indonesia (2014), UAE (2015), Orlando (2015), Malaysia (2016), Detroit (2016), Morocco (2017), UK (2017), Bogota (2017), Bandung (2018), Paris (2018), Washington DC (2018), Pretoria (20 18), Bangkok (2019), Toronto (2019) and Riyadh (2019) and Dubai (2020).

TRACKS

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

Track I: 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

- Environmental Systems Engineering
- Production Planning and Management
- Quality
- Reliability
- Project Management
- Statistical Process Monitoring
- Logistics
- Construction Management

Track 2: Computer Integrated Manufacturing

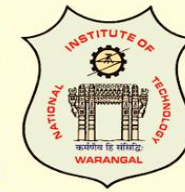
- Automation and Agility
- Cellular Manufacturing
- Modelling and Simulation
- Sensors and Sensing
- Transportation and Traffic
- Automotive Manufacturing Systems
- Mechatronics & IIoT
- Industry 4.0
- Robotics
- Systems Engineering
- CAD, Applications and Computing
- Systems Dynamics
- Manufacturing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

Track 3: Business Management

- Human Factors and Ergonomics
- Information Systems and Management
- Financial Engineering
- Statistics
- Industrial Services
- Innovation



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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



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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



Prof. Katta Narasimha Reddy
Vice-Chancellor
JNT University, Hyderabad, India

Conference Chairs



Dr. V. Vasu
Associate Professor
Department of Mechanical Engineering
NIT, Warangal, India



Dr. M. Manzoor Hussain
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Dr. Qutubuddin S.M.
Associate Professor
P.D.A. College of Engineering
Kalaburagi, India



Dr. Ahad Ali
Executive Director, IEOM Society
Associate Professor, LTU
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Prof. M. Indira Rani, Head, Department of Mechanical Engineering JNTU, Hyderabad, India

Prof. Don Reimer, Adjunct Professor, Lawrence Tech, Michigan, USA

Prof. Devdas Shetty, Dean & Professor, Department of Mechanical Engineering, University of District of Columbia, USA

Technical Chairs

Prof. L Krishnanand, Department of Mechanical Engineering, from NIT, Warangal, India

Prof. G, Krishna Mohana Rao, Mechanical Engineering Department, JNTU, Hyderabad, India

Prof. G Anand, Professor, Quantitative methods and Operations Management, IITM, Kozhikode, India

Dr. G Naga Srinivasulu, Department of Mechanical Engineering, NIT, Warangal, India

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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.

Website: <http://ieomsociety.org/india2022/>

<p>Ramappa Temple</p>	<p>Warangal Fort</p>	<p>Charminar, Hyderabad</p>
<p>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 Recherla 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 Rammappa—after whom the temple complex is named.</p>	<p>Warangal Fort is located in Warangal District, Telangana, India. It was the capital city of Kakatiya dynasty and Musunuri 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 included in the "tentative list" of UNESCO World Heritage Site and was submitted by the Permanent Delegation of India to UNESCO on 10/09/2010.</p>	<p>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.</p>

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