

Registration Fee

Participant Category	Fee	
	Indian	Abroad
Faculty, Students, Research Scholars & Industry/ R&D Organizations (With paper)	INR 500	USD 10
Faculty, Students, Research Scholars, Industry/ R&D Organizations (Listener)	INR 250	USD 5

Account Details

J B EDUCATIONAL SOCIETY
Canara Bank, Moinabad Branch,
Account No.: 30833070000016
IFSC Code: CNRB0013083
SWIFT Code: CNRBINBBBFD

Registration link

https://forms.gle/hT6kJ5TmaRSqsrpW7

Paper Submission

The authors are welcome to submit complete papers not exceeding seven pages in IEEE format.

- All accepted and presented papers will be published in Conference Proceedings with ISBN number.

Conference Website Link

https://www.jbiet.edu.in/icetcse2025/

Organizing Committee

Chief Patron:
Shri J.V. Krishna Rao, MBA HRA-USA
Secretary JBES

Patrons:
Prof. Sanjay Chintakindi, Director, JBES
Dr. P. C. Krishnamachary, Principal, JBIET

Organizing Chair:
Dr.V. Venkata Krishna, Dean CSE, JBIET
Dr. B.V. Swarnalathamma, Dean First Year, JBIET

Organizing Secretaries:
Dr. L. Vaikunta Rao, Dean R&D, JBIET
Dr. B. Reddappa, HoD, Mathematics, JBIET
Dr. Sreedhara Rao Gunakala, UWI, Trinidad & Tobago, WI

Joint Organizing Secretaries:
Dr.G. Sreenivasulu, HOD, CSE, JBIET
Dr. P. Duraipandy, HOD, EEE, JBIET
Dr. S. K. Chaya Devi, HOD, ECE, JBIET
Dr. Aditya Kamineni, HOD, CE, JBIET
Dr. Anoop Kumar, HOD, ME, JBIET
Dr. K. Venkatesham, HOD, Physics, JBIET

International Advisory Committee:

Prof. R. Panneer Selvam, University of Arkansas, USA
Prof. Padmanabhan Seshaiyer, George Mason University, USA
Prof. Ram Balachandar Professor, University of Windsor, Canada
Prof. Hakan F. Oztog, Firat University, Türkiye
Prof. Shachin Shaw, BIUST, Botswana
Prof. K. K. Viswanadhan, Samarqand University, Uzbekistan
Prof. Bijjula Prabhakar Reddy, UDOM, Tanzania
Prof. Nahid Fatima, Prince Sultan University, Riyadh, Saudi Arabia
Prof. K.C. Santosh, University of South Dakota, USA
Prof. Mikhail V. Altaisky, Space Research Institute, RAS, Russia
Prof. Johann Lüder, National Sun Yat-Sen University, Taiwan
Dr. Katta Ramesh, Sunway University, Malaysia
Dr. Nagarani Ponakala, UWI, Jamaica
Dr. Victor Job, UWI, Jamaica
Dr. Sheik Mohammed Sulthan, UTB, Brunei

National Advisory Committee:

Prof. G. P. Raja Sekhar, Vice Chancellor, AU, Visakhapatnam
Prof. Srinivasa Rao Pentyala, IIT(ISM) Dhanbad
Prof. Tanmay Basak, IIT Madras
Prof. Venkaiah Chowdary, NIT, Warangal
Prof. B. Sathyanarayana, JNTUH, Hyderabad
Dr. Pratibhamoy Das, IIT, Patna
Dr. S.V.S.S.N.V.G. Krishna Murthy, DIAT, Pune
Dr. Debasis Giri, MAKAUT, West Bengal
Dr. R. Vishnu Vardhan, Pondicherry University, Puducherry
Dr. D. Devaraj, KARE, Tamilnadu
Dr. K. Chandrasekaran, NIT, Surathkal
Dr. Niraj Upadhayaya, SRM University, Andhra Pradesh
Dr. V. Murugaiyan, PTU, Puducherry
Dr. Anil Kumar Vuppala, IIIT Hyderabad
Dr. T. Madhavi Kumari, JNTUH Hyderabad
Dr. I. Balasundar, DMRL, DRDO, Hyderabad
Dr. R. Balaji Rao, CUJ, Jammu and Kashmir

Institute Advisory Committee:

Dr. I. Sudarsan Kumar, Dean College Development, JBIET
Dr. Himanshu Sharma, Dean Administration, JBIET
Dr. Anindya Jana, Dean IIIC, JBIET

Organizing Committee:

Dr. G. Kumar, HOD, AIML, JBIET
Dr. A. Ramesh Babu, HOD, IT, JBIET
Dr. K. Roshan, HOD, AIDS, JBIET
Dr. Narsappa Reddy, HOD, ECM, JBIET
Dr. M. Bheemalingaiah, Professor, CSE, JBIET
Dr. J. Kartigeyan, Assoc. Prof., EEE, JBIET
Dr. T. Rajesh, Assoc. Prof., EEE, JBIET
Dr. Md. Salauddin, Assoc. Prof., ECE, JBIET
Dr. P. K. Pradhan, Assoc. Prof., ECE, JBIET
Dr. Md. Asif, Asst. Prof., ECM, JBIET
Dr. Bhukya Naresh, Asst. Prof., CE, JBIET
Dr. Suresh Ranga, Asst. Prof., CE, JBIET
Dr. Aijaz Ahmad Magray, Asst. Prof., Mathematics, JBIET
Mr. J.Venkat Reddy, Assoc. Prof., Physics, JBIET
Mr M. Bali Reddy, Assoc. Prof., Chemistry, JBIET
Mr. J. Naga Raju, Asst. Prof., ME, JBIET
Mr. M. Mahesh, Asst. Prof., ME, JBIET
Mr. J. Narendra Kumar, Asst. Prof., ME, JBIET
Mrs. Tasleem Sultana, Asst. Prof., Mathematics, JBIET

JB INSTITUTE OF ENGINEERING & TECHNOLOGY



Yenkapally(V), Moinabad(M), R.R.District, Hyderabad-500075, India www.jbiet.edu.in



Accredited by NBA & NAAC, Approved by AICTE & Permanently Affiliated to JNTUH, Hyderabad

International Conference on
EMERGING TRENDS IN
COMPUTATIONAL
SCIENCES & ENGINEERING
ICETCSE - 2025

Organized by Departments of

- Computer Science & Engineering & Allied branches
 - Electrical & Electronics Engineering
 - Electronics & Communication Engineering
- Civil Engineering
 - Mechanical Engineering
 - Mathematics
 - Physics
 - Chemistry

JB Institute of Engineering & Technology,
Hyderabad, India

In Collaboration with

 The University of the West Indies,
St. Augustine campus, Trinidad & Tobago, WI

 18 - 20, December 2025

Mode: Online

Important Dates

Paper Submission Deadline : Nov 20, 2025
Paper Notification : Nov 27, 2025
Last date for Registration : Dec 01, 2025

About the Institution

J.B. Institute of Engineering and Technology (JBIET) established in 1998, one of Telangana's premier engineering institutions, is renowned for its commitment to quality education, innovation, and student success. JBIET is a UGC autonomous institution, and the UGC has extended its autonomous status for the next 10 years, i.e., up to 2035. JBIET offers a vibrant academic environment and has been accredited by NAAC with an "A" grade and NBA under the Tier-1 category. The institution offers 11 B.Tech, 5 M.Tech, and MBA programs.

With strong industry ties, JBIET has signed MOUs with leading organizations, including IITM Pravartak, T-Hub, Cyber Security Centre of Excellence from the Government of Telangana, and the Engineering Staff College of India to offer specialized entrepreneurship and skill development courses. Additionally, JBIET collaborates with Cambridge University Press to enhance English Language Skills among students.

JBIET emphasizes hands-on learning, interdisciplinary collaboration, and entrepreneurship, supported by a dedicated and experienced faculty. Students receive industry-ready training through frequent curriculum updates and real-world exposure in the Institute Innovation Hub.

The institute also promotes participation in sports and co-curricular activities, with students achieving national-level recognition. With its student-centric approach and a focus on academic excellence, JBIET continues to be a top choice for aspiring engineers.

About Conference

ICETCSE-2025 aims to provide a common platform for students, academicians, researchers, developers, and practitioners to share their research initiatives, present outcomes, and exchange experiences. The conference seeks not only to foster learning about emerging trends and recent developments but also to facilitate meaningful collaborations and networking among participants. All accepted papers will undergo a rigorous peer-review process and will be published in the conference proceedings with ISBN numbers.

Theme of the Conference

"Novel Approaches in Computational Science and Engineering"

Objectives

- To bring together academicians, researchers, industry experts, and students from diverse disciplines to share their latest research outcomes, innovations, and technological developments.
- To promote interdisciplinary collaboration in computational sciences, core engineering and scientific domains.
- To explore and discuss emerging trends, methodologies, and applications that address real-world challenges in science and engineering.
- To foster networking, knowledge exchange, and research partnerships among participants for advancing scientific and technological progress.

Topics

Topics of Interest for Submission include, but are not limited to:

Computer Science and Engineering and Allied:

- High-Performance and Cloud Computing
- Computational Intelligence and Soft Computing
- Scientific Computing and Parallel Algorithms
- Computational Data Science and Big Data Analytics
- Computational Cybersecurity and Network Simulation
- Machine Learning and AI Applications
- Artificial Neural Networks & Deep learning
- Blockchain Technology
- Quantum Computing

Electrical and Electronics Engineering:

- AI and Machine Learning for Power System Stability and Control
- Smart Grid Operation and Renewable Energy Integration
- Advanced Control Systems and Automation
- Electromagnetics, Devices and Circuits
- Battery Management & Energy Optimization
- Smart Charging Infrastructure
- Smart FACTS Controllers
- Computational Intelligence in Electrical Machines and Drives

Electronics and Communication Engineering:

- VLSI Design & Embedded Systems
- Next-Generation Communication & Networking
- Signal and Image Processing
- Robotics, Control & Automation
- Emerging Materials and Devices
- Interdisciplinary Applications

Civil Engineering:

- Sustainable Structural Design Methods using Computational Techniques
- Sustainable Geotechnical Solutions for Soil Stabilization
- Water Resource Engineering and Environmental Fluid Mechanics
- Transportation System Simulation and Traffic Modelling
- Sustainable Construction Materials and Technology
- Building Information Modelling (BIM) and Smart Infrastructure Analytics

Mechanical Engineering:

- Computational & Simulation Technologies
- Advanced Materials in Engineering
- AI & Smart Technologies in Manufacturing
- Quantum Computing in Mechanical Engineering
- Emerging Technologies in Electrical Vehicle Batteries
- Advanced Technologies in Semiconductor Manufacturing & Packing

Mathematics:

- Computational Fluid Dynamics (CFD) and Numerical Simulations
- Mathematical and Scientific Machine Learning
- Numerical Analysis and Scientific Computing
- Computational Optimization and Operations Research
- Dynamical Systems and Computational Modelling of Complex Systems
- Computational Number Theory and Cryptography
- Computational Probability, Statistics, and Stochastic Modelling

Physics:

- Computational Condensed Matter and Materials Physics
- Quantum Computing and Quantum Simulations
- Computational Astrophysics and Space Physics
- Computational Plasma Physics and Fusion Modelling
- High-Performance Computing in Theoretical and Particle Physics
- Mathematical & Computational Physics
- Computational Nanoscience and Nanotechnology

Chemistry:

- Computational and Theoretical Chemistry
- Molecular Dynamics and Quantum Chemistry Simulations
- Computational Drug Design and Cheminformatics
- Computational Materials and Nanochemistry
- Spectroscopy Data Analysis and Computational Modelling of Chemical Reactions
- Green Chemistry and Sustainable Chemical Processes
- Nanochemistry and Molecular Nanostructures

Venue

JB Institute of Engineering & Technology

Yenkapally(V), Moinabad(M), R.R.District,
Hyderabad-500075, India

Contact Details

Dr. L. Vaikunta Rao, Dean R&D

Ph: +91 99498 48105

Dr. B. Reddappa, HoD, Mathematics

Ph: +91 99085 38305

Email: icetcse2025@gmail.com

