

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- The organizers invite original and unpublished research articles from academia, industry experts, and research scholars, including students, for presentation in the broad thematic areas of the conference.
- All abstracts accepted for presentation will be published in the **Conference Proceedings (with ISBN).**
- Selected papers will be published in the special issue of the **Mansoura Engineering Journal (Scopus Indexed / No Publication Charges).**
- Note: Publication of selected papers will strictly follow the journal's guidelines and peer-review processes.

Conference Website Link

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

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JB INSTITUTE OF ENGINEERING & TECHNOLOGY



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27th of Excellence JBIET

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 27, 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

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