1st International Conference on Smart Technology for Emerging Problems

STEP2025

CALL FOR PAPERS

TRACKS

- SMART COMPUTING AND DATA ENGINEERING
- MODERN MECHANICAL SYSTEMS AND ADVANCED MATERIALS: EMERGING TRENDS
- POWER AND ENERGY SYSTEM
- SMART TECHNOLOGIES
- NETWORK AND COMMUNICATION



ORGANISED BY:

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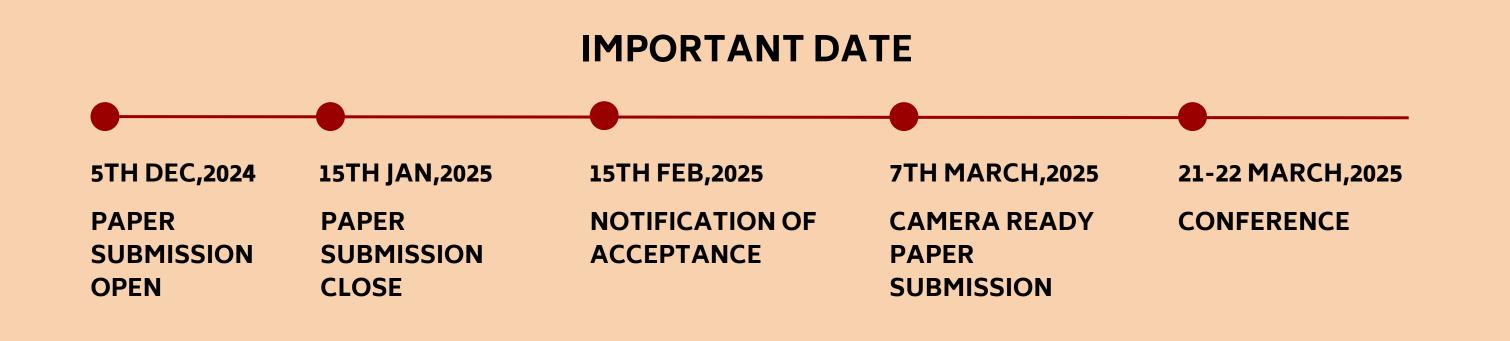
REGISTRATION FEES

ACADEMIC PRESENTER	2500
PROFESSIONAL PRESENTER	3500
STUDENT PRESENTER	1500
STUDENT PARTICIPANT	500

✓ CLIMATE CHANGE AND SUSTAINABILITY

ALL THE PAPERS WILL BE PUBLISHED IN THE CONFERENCE PROCEEDINGS WITH ISBN AND DOI AND SELECTED PAPERS WILL BE PUBLISHED IN

JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA) - (INDEXED IN: SCOPUS, SCIMAGO, AND MORE)





SUBMISSION LINK



Topics included but not limited to

Track 1: Smart Computing And Data Engineering

- Big Data Processing & Analytics
- Machine Learning methods & algorithms
- Applied Deep Learning
- Natural Language Processing
- AI/ML for Power and Energy Application
- AI applications in health care systems
- Optimization Algorithms for sustainable development
- AI-Driven Automation in Industrial IoT
- Computer Vision in Emerging Areas: Drones, AR/VR, and Beyond
 - Quantum Computing for Smart Applications
- Distributed and Parallel Computing in Smart Environments

Track 2: Modern Mechanical Systems and advanced Materials: Emerging Trends

- Advanced Manufacturing Processes
- Robotics and Automation
- Sustainable Mechanical Systems
- High-performance Materials
- Thermal and Fluid Systems
- Tribology and Surface Engineering
- Biomechanics and Biomedical Applications
- Smart Materials and Actuators
- Structural Analysis and Optimization
- Applications of AI and Machine Learning in
- Mechanical Systems

Track 3: Power and Energy System

- Renewable & Green Energy
- Active Distributed Network Management
- Data Analytics and IoT for Power & Energy System
- Optimization for Future Grids
- Large Scale & Micro Scale Grid Integration
- Advanced Power Electronics Device
- Battery management system
- Application for SMART Energy System
- SMART Generation, Transmission & Distribution
- Condition monitoring and insulation
- Energy Policies

Track 4: Smart Technologies

- Control and Automation
- Robotics

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- Smart Energy technologies
- Smart Electric Vehicles
- Smart cities and smart building
- Smart lighting design
- Smart Sensors
- **IoT**
- Financial Forecasting and Fraud Detection
- Nano-technology
- Generative AI for Creative Applications

Track 5: Network and Communication

- Network Function Virtualization (NFV)
- Software-Defined Networking (SDN)
- 5G and 6G Technologies
- Cyber security in Networks
- Cryptography and Secure Protocols
- Blockchain in Networking
- Wireless and Mobile Networks
- Cloud and Data Center Networking
- Social and Economic Impacts of Networking

Track 6: Climate Change and sustainability

- Weather forecasting
- Strategies for climate adaptation
- Water crisis and solutions
- Future of irrigation
- Bio fuels

