

International Conference on Emerging Trends in **ENGINEERING, SCIENCE AND TECHNOLOGY 2025**

11th and 12th April 2025

Jointly Organized by

SANDIP FOUNDATION'S



**SANDIP INSTITUTE OF
ENGINEERING & MANAGEMENT (SIEM)**



Affiliated to Savitribai Phule Pune University (SPPU) &
Approved by AICTE, New Delhi

NAAC Accredited ('A' Grade)



AND

**BELARUSIAN
NATIONAL TECHNICAL UNIVERSITY,
MINSK, BELARUS**



About Sandip Foundation

Sandip Foundation established in 2005 as a Charitable Trust under the Chairmanship of Hon'ble Dr. Sandip Kumar Jha with a vision to render selfless, dedicated service to higher education in the fields of Engineering, Management and Paramedical Sciences. The trust has proved its proficiency in education for last twelve years. At Sandip Foundation, the focus is on interactive Teaching Learning, Industrial Projects, on job training, Faculty empowerment, Industrial visits so that learning is applicable oriented and students develop the necessary skills.

The core objective of institute is to rendering selfless dedicated service to higher education in the fields of Engineering & Technology, Science, Arts, Management Studies, Polytechnic and Pharmacy. Under the umbrella of Sandip Foundation, Sandip Institute of Technology and Research Center was established in the year 2008. Sandip Institute of Technology and Research Centre is self-financed institute approved by All India Council of Technical Education, New Delhi and affiliated to Savitribai Phule Pune University, Pune in the state of Maharashtra.

About SIEM

Sandip Institute of Engineering & Management (SIEM), a proud offering from Sandip Foundation, is located on a serene, eco-friendly campus along Trimbak Road (Mahiravani, Nashik), providing an ideal environment for learning. SIEM offers a range of undergraduate programs, including Civil Engineering, Computer Engineering, Electrical Engineering, Electronics & Telecommunication Engineering, and Mechanical Engineering, along with BBA, BCA, and a postgraduate MCA course. Committed to delivering quality education, SIEM ensures students are confident, self-motivated, and industry-ready. With a focus on experienced faculty, state-of-the-art laboratories, and holistic student development, SIEM has been recently awarded an 'A' grade by NAAC.

Vision

We at SIEM aspire to be a globally recognized institute that delivers a world class education to outstanding intellectuals by nurturing and grooming their interests, creative abilities and their instincts to acquire a life-long learning so as to imbibe values of their commitment towards society.

Mission

We at SIEM shall strive continuously:

To inculcate and imbibe knowledge of cutting-edge technologies and its implementation for solving real life problems in a conducive environment.

To collaborate with national and international institutes/industries/universities of repute for sustainable growth through team work.

To motivate and retain highly skilled and knowledgeable individuals, whose creativity and interest in teaching upholds to achieve desired goals.

To provide a dedicated platform to cater the needs of individuals and inspire them for their intellectual growth and character building.

To enable the students to achieve excellence in the chosen fields and to share the responsibilities of citizenship and service in a disciplined manner.

About the conference

The ICETEST 2025 Conference is dedicated to discussing issues, exchanging of ideas and views towards the advancement of technology in the field of engineering and sciences. The objectives have been outlined as under:

- To provide a robust platform for expression of interest & cognitive thoughts and promote research among all the active participants in the conference.
- To provide an opportunity to participants to upgrade their knowledge.
- To create dynamic networking amongst the researchers.

Mode of Conference: Hybrid Mode

Call for Papers

Research Papers are invited from the UG/PG students, research scholars, faculty, entrepreneurs, and technology experts. Articles submitted must not be under consideration for publication elsewhere.

Topics

Electronics & Telecommunication

1. Signal Processing
2. Power Electronics and Electronic Devices
3. Embedded system and VLSI design
4. Machine Learning and Artificial Intelligence
5. Internet of Things
6. Wireless Communication system

Computer

1. Security and Cloud Computing
2. Network and Information Security.
3. Application of Artificial Intelligence and Data Science.
4. Application of Optimization Algorithms
5. Cyber Security

Electrical

1. Electric and Hybrid Vehicles
2. Energy Harvesting
3. Distributed Generation and Grid Interconnection
4. Renewable energy sources and Technology
5. Electrical Power and Control
6. Smart Grid Technologies

Mechanical and Production

1. Design Engineering
2. Thermal Engineering
3. Industrial Engineering and Management
4. Automation and Mechatronics
5. Advanced Materials and Manufacturing



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Civil

1. Structural Engineering and Structural Audit
2. Construction Management and Construction Techniques
3. Environment and Water Resources Engineering
4. Geotech and Infrastructure Engineering
5. Remote Sensing and GIS
6. Environment and Sustainability

Science Engineering Mathematics (Applied Maths)

1. Computational Mathematics
2. Statistics
3. Mathematical modeling and simulations
4. Numerical Method & Partial Differential Equation
5. Discrete optimization

Engineering Physics (Applied Physics)

1. Materials synthesis and processing.
2. Nanotechnology
3. Theoretical & Particle Physics
4. Solid -State acoustics
5. Bio-Physics

Engineering Chemistry (Applied Chemistry)

1. Earth & Atmospheric Science
2. Polymer Chemistry
3. Agricultural Chemistry
4. Solid State Rechargeable Batteries
5. Recent advances in medicinal chemistry

Paper Submission Details

Abstract (250 words) and Full Paper (page limit 6 pages only) in IEEE standard paper format.
Submission Link: <https://forms.gle/jtwGD21mADVHifZL8>

Registration Fees

Corporate Executive/ Academicians/ Ph.D. Scholars/ PG Students: INR 3000 / USD 30 (Indian Author/ Foreign Author)

UG Students: INR 1500/USD20 (Indian Authors/ Foreign Authors)

For additional attendee Rs.1000/- extra
(Registration fees include- Breakfast, tea, lunch for both days and conference kit.)
No TA/DA shall be paid to any candidates for attending the program.

Payment Mode

Submit the registration fees Online, for more details visit conference website.

<https://www.sandipfoundation.org/siem-conference>

Committee

Advisory Committee

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(Principal, SIEM)

Dr. Swati A Gade
Dean Research & Development

Important Dates

Paper Submission Deadline **05th March 2025**
Notification of acceptance **20th March 2025**
Camera-Ready Submission **25th March 2025**
30th March 2025

Contact Us

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