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3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE COMPUTING AND DATA COMMUNICATION SYSTEMS

ICSCDS 2025

6 - 8, AUGUST 2025

ORGANISED BY



Department of Electrical and Electronics Engineering

**ERODE SENGUNTHAR
ENGINEERING COLLEGE**

(AUTONOMOUS)

THUDUPATHI, PERUNDURAI, ERODE TAMILNADU, INDIA

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ABOUT THE COLLEGE

Erode Sengunthar Engineering College (ESEC) is an Autonomous Institution, Approved by AICTE, Permanently Affiliated to Anna University, Chennai, Tamil Nadu and Accredited by National Board of Accreditation (NBA) and NAAC with A Grade. ESEC is a well - developed institution offering a variety of programs in UG and PG degree courses. Erode Sengunthar Educational Trust started the College in the year 1996 with a vision to provide world class technical education for the upliftment of urban and rural youth. The college has completed 28 years of dedicated service to the people of India and abroad in the field of Technical Education. The College offers 19 UG Programs and 10 PG Programs of study that are on the frontiers of knowledge and it connects the spiritual and practical dimensions of intellectual life, in a stimulating environment that fosters rigorous scholarship and supportive community. The Institution has an area of 55.54 acres of land richly endowed with eco – friendly and beautiful greenland.

ABOUT THE DEPARTMENT

The Electrical & Electronics Engineering Department is one of the oldest department of the institute which was established in the year 1996.

Vision

To provide competent and ethical electrical engineers finding solution to problem related to society, environment and industry using innovative technologies.

Mission

To make a positive difference among electrical and electronics engineering students through innovative teaching learning methods.

To provide electrical and electronics engineering knowledge base at large for the upliftment of different background people.

To instill research oriented mindset and to develop well-furnished electrical and electronics engineering research labs.

To inculcate the moral and ethical values among students in order to make them competent and quality electrical and electronics engineers.

Programme Educational Objectives (PEOs):

- **CORE COMPETENCE:** To impart fundamental electrical and electronics engineering knowledge through collaborative and case study methods of teaching learning process.
- **BREADTH:** To produce quality electrical and electronics engineering graduates with in-depth technical knowledge including current issues and challenges in this field.
- **LEARNING ENVIRONMENT:** To develop and enhance research based facilities so as to address the industrial issues and challenges.
- **PROFESSIONALISM:** To imbibe effective communication, interpersonal and other managerial skills for the holistic development of EEE students.

Call for Papers

Track -1: Data Communication Systems

- Big Data Mining and Analysis
- Large-Scale Data Computing Models
- Green Data Centres and Computing
- Big Data and Information Security
- Advanced Data Analytics
- Information-Centric Networking
- Internet Technologies
- Data Analysis, Modeling and Visualization

Track -2: Sustainable Computing and Communication Systems

- Sustainable Mobile Computing and Communication Frameworks
- Renewable and Configurable Architectures
- IoT and sustainable computing
- Efficient Resource Allocation and Scheduling
- Novel Optimization Techniques
- Complex Systems: Modelling and Simulation
- Artificial Intelligence and Intelligent Systems
- Deep Learning and Computer Vision
- QoS consideration for sustainable computing

ABOUT THE CONFERENCE

The current advances in technologies require sustainable networking and computing models to meet the growing demand of emerging indispensable ICT applications such as smart cities, entertainment, business, healthcare etc. On the other hand, data intelligence and communication plays a critical role in sustainable computing, especially the size of the data is beyond the ability of commonly used computing platforms for capturing, managing, and processing the data. Recent breakthroughs in data mining, data modeling, data processing, and artificial intelligence are seeking applications in energy networks to build a more sustainable environment. As the opportunities and challenges co-exist in both the fields, this 3rd International Conference of Sustainable Computing and Data Communication Systems [ICSCDS 2025] provides a platform to initiate research discussions in all the aspects including theoretical studies, real-time applications, and experimental prototypes. Moreover, ICSCDS 2025 focuses on the intelligent data processing, analysis, and understanding that support sustainable environments.

SUBMISSION GUIDELINES

All submissions must be done online to conference email icscdis.conference@gmail.com later than the submission deadline mentioned in the conference will not be accepted. To avoid technical problems, early submission is strongly encouraged.

PUBLICATION

All registered and presented papers will be submitted for inclusion into IEEE Xplore.



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