

INTERNATIONAL CONFERENCE ON SMART ELECTRONIC DEVICES AND INTELLIGENT SYSTEMS ICSEDIS 2027

TECHNICAL SPONSORS



ORGANIZED BY



Royal College of Engineering & Technology
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University



Royal College of Engineering & Technology
Kerala, India.

ABOUT THE CONFERENCE

ICSEDIS 2027 seeks to foster innovation by bringing together emerging technologies in electronics such as nanoelectronics, embedded systems, and smart sensors with the transformative capabilities of artificial intelligence, machine learning, and intelligent system design. The conference will emphasize cutting-edge research, real-world applications, and collaborative solutions that address the complex challenges of today's interconnected world. The International Conference on Smart Electronic Devices and Intelligent Systems (ICSEDIS 2027) aims to bring together leading academic researchers, industry professionals, engineers, and scientists to discuss cutting-edge innovations, trends, and challenges in the domains of smart electronics, embedded systems, and intelligent computing. The International Conference on Smart Electronic Devices and Intelligent Systems (ICSEDIS 2027), organized by the Royal College of Engineering and Technology (RCET), Kerala, India, will be held from 22-24, April 2027.



ABOUT THE COLLEGE

We are one of the Next Generation Engineering Institutions in Kerala which has been producing quality technocrats in our country for more than a decade. Our college is situated in Thrissur district, the cultural capital of Kerala, with cochin International Airport just 75 kms away. RCET is blessed with a wonderful campus of 21 acres surrounded by lush and serene natural beauty that inspires tomorrows engineers to succeed personally and professionally in this competitive world. Acclaimed as one of the best equipped institutions, Royal college of engineering & Technology has, in a relative short span, marked its presence among the community. The institution has been Accredited by NAAC, valid for a period of 5 years from 15 - 02 - 2021.

Mission;

To groom the youth into eminent technocrats- with lifelong learning skills to meet future requirements, deep sense of social responsibility, strong ethical values and a global outlook, to face the challenges of the changing world.

Vision;

To continuously grow as a Resourceful, Outstanding, Youthful, Adaptive institution in the field of engineering and technology habituating Lifelong learning.

CALL FOR PAPERS

TRACK 1: ADVANCED SMART ELECTRONIC DEVICES

- NANOELECTRONICS AND SEMICONDUCTOR TECHNOLOGIES
- MEMS AND NEMS FOR SMART APPLICATIONS
- POWER-EFFICIENT EMBEDDED SYSTEMS
- SMART SENSORS AND ACTUATORS
- FLEXIBLE, WEARABLE, AND BIO-COMPATIBLE ELECTRONICS

TRACK 3: MACHINE INTELLIGENCE AND EDGE SYSTEMS

- DEEP LEARNING AND NEURAL NETWORKS ON HARDWARE
- AI/ML INTEGRATION IN EMBEDDED SYSTEMS
- EDGE COMPUTING AND EDGE-AI ACCELERATORS
- FEDERATED AND DISTRIBUTED LEARNING SYSTEMS
- AI-BASED OPTIMIZATION FOR HARDWARE SYSTEMS

TRACK 2: INTELLIGENT SIGNAL AND SYSTEM DESIGN

- SIGNAL AND IMAGE PROCESSING FOR INTELLIGENT SYSTEMS
- REAL-TIME SYSTEM DESIGN AND IMPLEMENTATION
- INTELLIGENT CONTROL SYSTEMS
- FPGA AND SOC-BASED SYSTEM DESIGN
- LOW-POWER ARCHITECTURE FOR AI APPLICATIONS

TRACK 4: APPLICATIONS IN CYBER-PHYSICAL AND SMART SYSTEMS

- IOT FOR SMART ENVIRONMENTS (HOMES, CITIES, HEALTHCARE)
- SMART GRID AND ENERGY-AWARE ELECTRONICS
- INTELLIGENT AUTOMOTIVE SYSTEMS AND ROBOTICS
- BIOMEDICAL SIGNAL PROCESSING AND WEARABLE DIAGNOSTICS
- SECURE AND RELIABLE CPS SYSTEMS

PAPER SUBMISSION

All papers must be novel and not simultaneously submitted to another conference/journal. All the manuscripts should be submitted via conference email conferencecsedis@gmail.com in DOCX (Word)/PDF format as per the format. Maximum number of pages allowed will be 6–8. Authors should ensure that the similarity score of their research paper is not above 15%. Manuscripts having a similarity score more than 10% shall not be processed.

KEYNOTE SPEAKERS

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REGISTRATION FEE

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Indian Authors	11,300 INR	12,100 INR	12,600 INR
Indian Listeners	8,500 INR	9,000 INR	9,500 INR
Foreign Authors	145 USD	165 USD	185 USD
Foreign Listeners	120 USD	130 USD	140 USD

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