



# PSG College of Technology



## Department of Electronics and Communication Engineering

Coimbatore, Tamil Nadu, India

In collaboration with

### PSG Centre for Academic Research and Excellence

# IEEE Technically Co-Sponsored Second International Conference on Intelligent Innovations in Engineering and Technology

Record No: 65921

**ICIET-2025**

4-6, December 2025

### Organizing Committee

#### Chief Patron

**Shri L. Gopalakrishnan**  
Managing Trustee,  
PSG & Sons' Charities

#### Patron

**Dr. K. Prakasan**  
Principal, PSG CT

#### Co-Patron

**Dr. R. Rudramoorthy**  
Director, PSG CARE

#### General Chair

**Dr. V. Krishnaveni**  
HoD, ECE, PSG CT

#### Organizing Chairs

**Dr. P. Visalakshi**  
Professor, ECE, PSG CT

**Dr. R. Venkateswari**  
Associate Professor,  
ECE, PSG CT

**Dr. S. Mohandass**  
Assistant Professor,  
ECE, PSG CT

### International Advisory Committee

**Dr. Ragunathan (Raj) Rajkumar**  
Professor,  
Carnegie Mellon University, USA

**Dr. Nirmala Shenoy**  
Professor, School of Information,  
Rochester Institute of Technology, USA

**Dr. Xiao-Zhi Gao**  
Professor, University of Eastern  
Finland, Finland

#### Dr. Yuval Shavitt

Professor,  
Tel Aviv University, Israel  
**Dr. Prakash Veeraraghavan**  
HoD, CSE and IT,  
La Trobe University, Australia

**Dr. Guru Subramanyam**  
Professor,  
Department of Electrical and  
Computer Engineering,  
University of Dayton, USA

**Dr. Vijayan K. Asari**  
Professor,  
Department of Electrical and  
Computer Engineering,  
University of Dayton, USA

**Ms. Vanitha Kumar**  
Senior Vice President of Software  
Engineering, Qualcomm, USA

### National Advisory Committee

**Dr. P. Sakthivel**  
Chairman, IEEE Madras Section

**Dr. S. Radha**  
Secretary, IEEE Madras Section

**Dr. S. Brindha**  
Treasurer, IEEE Madras Section

**Dr. T. Shanmugantham**  
Vice-Chairman – Academics,  
IEEE Madras Section

**Dr. V. Nagarajan**  
Conference Committee Member,  
IEEE Madras Section

**Smt. Anandi Ramalingam**  
Information Commissioner,  
Government of India

#### Dr. A. Chockalingam

Professor, Dept. of ECE,  
IISc Bangalore

**Dr. K. Giridhar**  
Professor, Dept. of EE, IIT Madras

**Dr. Siva Kumar K**  
Professor and Head, EE department,  
IIT Hyderabad

**Dr. Swaminathan R**  
Associate Professor, IIT Indore

**Dr. M. Bhaskar**  
Professor, Dept. of ECE, NIT Trichy

**Dr. S.M. Sameer**  
Professor, Dept. of ECE, NIT Calicut

**Dr. S. Sumam David**  
Professor, Dept. of ECE,  
NIT Suratkhal, India

**Dr. Pavanthan Arumugam**  
Sr. Director (R&D) / Scientist-  
G,ERNET India

**Mr. Shashikiran D**  
Scientist F, LRDE, DRDO,  
Bangalore, India

**Mr. Jayaraj U Kidav**  
Scientist -Engineer 'E', NIELIT,  
Calicut, India

**Mr. Guha Lakshmanan**  
Director, Product Development,  
TI Bangalore

**Dr. (Cdr) Arnab Das**  
Director, Indian Maritime  
Research Center, Pune, India

**Dr. J. Kanchana**  
Director, PSG Institute of Advanced  
Studies, Coimbatore

**Dr. J. Baskaran**  
Professor, Dept. of EEE, PSG iTech

## About the Conference

ICIET 2025 primarily focuses on providing a global platform for the national and international consortium of Scientists, Researchers, and Practising Engineers from both Academia and Industry to share their creative proposals on cutting-edge technologies. This forum disseminates the technical innovations in theoretical concepts, methodologies, and applications in the fields of Electrical, Electronics and Communication, Computing and Information technologies, and Biomedical Engineering. The conference will incorporate Pre-Conference Workshops, Keynote sessions, Invited Tech-talks, and Oral presentations in various fields of Engineering and Technology for the exchange of research findings. The Conference aims at providing realistic solutions to various problems confronting society, environment, and industry and to achieve Sustainable Development Goals.

## Track Details

### Wireless Communication & Networking

- 5G and 6G Technologies
- Optical and Visible Light Communication
- MIMO and Massive MIMO Systems
- Microwave & Millimeter-Wave Techniques
- RF Circuits and Antenna Design
- Green Communications and Energy Efficiency
- Cognitive radio and software defined networks
- Wireless Sensor and Body Area Networks
- Quantum Communication
- Vehicular Networks
- Emergency Communication
- Underwater and Satellite Communication
- RADAR and SONAR Techniques
- Cooperative, compressive, and sparse sensing
- Machine Learning and AI for Wireless Communication and Networking

### Signal & Image Processing

- Speech and acoustic signal processing
- Nonlinear signal processing
- Optimization methods in signal processing
- Compressed sensing and sparse modelling
- Statistical signal processing
- Signal processing and data fusion for big and multimodal data

- Multimedia signal processing
- Bio-medical signal processing
- Bioinformatics and genomics
- Signal processing for social networks
- Computational imaging
- Image/video and multidimensional signal processing
- Multirate Signal Processing
- Machine Learning and AI for Signal and Image Processing

### VLSI & Nano Technology

- Analog, Digital & Mixed Signal Design Testing & Testable Circuit
- Low Power Circuit Design
- MEMS and NEMS systems
- Device Modeling and Process simulation
- Systems-on-Chip (SoC) and FPGA and Reconfigurable Design
- VLSI Signal Processing
- Nanoelectronic Devices and Nano fabrication techniques
- Nanomaterials and Nano Sensors
- Nanotechnology in Healthcare, Textiles, Cosmetics, Agriculture and Environment
- Nanotechnology in Drug Delivery and Tissue Engineering
- RFID Technologies & RF energy harvesting
- Computational Electromagnetics
- EMI & EMC
- Machine Learning and AI for VLSI and Nano Technology

## Embedded system & IoT

- Internet of Things
- Robotic design, development and control
- Industrial Control and Automation
- Humanoid robotics
- Virtual environment, VR and AR
- Intelligent control systems and optimization
- Genetic algorithms
- Medical Robotics
- Automation, Control and Engineering
- Underwater Robotics
- Vision system for Robotics
- PLC and SCADA Applications
- Machine Learning and AI for Embedded System and IoT

## Sustainable Technologies and Applications

- Renewable power generation & clean energy technologies
- Integration of renewables and energy storage systems
- Power Quality and Electromagnetic Compatibility
- Electric and Hybrid Vehicles and EV charging systems
- Intelligent Transportation System and Autonomous Vehicles
- Smart grid Technologies and management

- Advanced Digital Technologies for Energy Systems
- Green Computing
- Wireless Power Transfer
- Machine Learning and AI for Sustainable Technologies

## High Performance Computing & Information Security

- Intelligent Fault Detection and Diagnostics
- Machine Learning and Deep Learning Algorithms
- Cognitive Computing, Big Data Systems and Analytics
- Cloud, Edge and Fog Computing and Data Centres
- Distributed Computing techniques
- Computational imaging and Computer games
- Cyber-Physical Systems and Blockchain applications
- Smart Networking and Information Security
- Quantum Computing & Cryptography
- Security issues in Smart, Adaptive & Intelligent Open Systems Technologies
- Parallel programming algorithms
- Hardware Security
- Machine Learning and AI for High performance computing

### PAPER SUBMISSION FORMAT

<https://www.ieee.org/conferences/publishing/template>

**MICROSOFT CMT LINK** <https://cmt3.research.microsoft.com/ICIIET2025>

**PUBLICATIONS:** All the accepted and presented papers will be submitted for publication in IEEE Xplore Digital Library (SCOPUS INDEXED) subject to meeting IEEE Xplore's scope and quality requirements.

### IMPORTANT DATES

<b>Start date for paper submission</b>	-	<b>01 July 2025</b>
<b>Last date for paper submission</b>	-	<b>28 September 2025</b>
<b>Acceptance Notification</b>	-	<b>16 October 2025</b>
<b>Last date for Camera Ready paper submission</b>	-	<b>28 October 2025</b>
<b>Last Date of Registration</b>	-	<b>03 November 2025</b>

## Program Committee

### Program Chair

Dr. J. Ramesh  
Dr. P. Kalpana  
Dr. G. Umamaheswari  
Dr. S. Hema Chitra  
Dr. L. Thulasimani  
Dr. K. Rajalakshmi  
Dr. D. Sivaraj  
Dr. M. Alagappan  
Dr. K. Thiyagarajan

### International Relations Chair

Dr. J. Kanchana  
Mr. T. Venkatachalam

### Publications Chair

Dr. G. Srivatsun  
Dr. C. Ramya

Dr. A. Kannammal  
Dr. P. Saravanan  
Mr. N. Saritakumar  
Dr. Vidya Raj

### Publicity / Virtual platform Chair

Mrs. S. Radharani  
Dr. K. Vasanthamani  
Mrs. K. Chandradevi  
Mr. K. R. Radhakrishnan

### Finance Chair

Dr. K. V. Anusuya  
Mrs. J. Deepika

### Hospitality/Logistics Chair

Dr. M. Santhanalakshmi  
Dr. A. Uma  
Dr. S. Rakeshsharma  
Mr. S. Sainath

## Registration Fee Details

Category	IEEE Member	Non-IEEE Member
Faculty	INR 8000 + 18% GST	INR 9000 + 18% GST
UG/PG/Research scholars	INR 6000 + 18% GST	INR 7000 + 18% GST
Industry professionals	INR 10,000 + 18% GST	INR 11,000 + 18% GST
Attendees	INR 3000 + 18% GST	INR 3500 + 18% GST
Pre-conference workshop	INR 1500 + 18% GST	INR 2000 + 18% GST
Foreign Delegates	\$150 + 18% GST	\$200 + 18% GST

### Account Details:

Account Number: 1481267367  
Type of Account: Saving A/c  
Account Name: PSG Centre for  
Nonformal and continuing education  
Bank: Central Bank of India  
Branch: Peelamedu  
IFSC: CBIN0280913  
MICR Code: 641016006

Scan to Register



### Registration link:

<https://forms.gle/ozotUGNNRXjnCo4j8>

### Contact Details:

Dr.P.Visalakshi - 9952718215  
Dr.R.Venkateswari - 8220299909  
Dr.S.Mohandass - 9965506820

Email id: [iciiet@psgtech.ac.in](mailto:iciiet@psgtech.ac.in)

Website: <https://www.psgtech.edu/iciiet2025>

Department of Electronics and  
Communication Engineering,  
PSG College of Technology,  
Peelamedu, Coimbatore - 641004  
Tamilnadu, India