



IEEE STUDENT BRANCH  
GEC PALAKKAD



IEEE Malabar Subsection



IEEE

# IEEE Symposium on Electrical Drives, Robotics, Control and Computing

April 3-4, 2025

Organised by

**IEEE Student Branch  
Government Engineering College, Palakkad**

Technically sponsored by  
**IEEE Malabar Subsection**



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# About The College

Government Engineering College Palakkad, located at Sreekrishnapuram, Palakkad, Kerala, is a premier technical education institute established in 1999, affiliated with APJ Abdul Kalam Technological University since 2015, known for its commitment to academic excellence and research. The college offers various undergraduate engineering programs (B.Tech) Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering and postgraduate programs (M.Tech and PhD) in fields like Computer Science and Engineering, Mechanical Engineering, Electrical Engineering, Information Technology, Electronics and Communication Engineering. Nestled amidst the landscapes of Palakkad, the college provides a vibrant learning environment, equipped with state-of-the-art laboratories, research facilities, and a comprehensive library. The institution is committed to nurturing technical competence and fostering research culture among students and faculty alike.

The faculty at GEC Palakkad comprises experienced academicians and industry experts who guide students through hands-on learning experiences, cutting-edge projects, and collaborative research. The college has established strong industry linkages, facilitating internships, industry visits, and placement opportunities for its students.

With a strong focus on sustainability, innovation, and societal impact, the institute continues to contribute to technological advancements and empower future engineers to solve real-world challenges. The active participation of students in technical events, symposiums, and hackathons has brought numerous accolades to the institution...

## Vision

Excellence through the wings of science and technology

## Mission

To transform youth into talented engineers with creativity and integrity who can meet the technological challenges for the service of society.

# About IEEE

IEEE is the world's largest technical professional organization. It is dedicated to advancing technology for the benefit of humanity. Through research, standards, and professional networking, IEEE fosters global innovation.

**The IEEE Student Branch, Government Engineering College Palakkad** is an operating unit under IEEE Malabar Subsection, focuses on advancing technology and innovation in the Malabar region of Kerala. IEEE Malabar Subsection, the first subsection under Kerala Section, started functioning in Oct 2010, on IEEE day. This subsection has been formed for better networking between professional members and student members of IEEE in the northern districts of Kerala. viz. Palakkad, Malappuram, Kozhikode, Wayanad, Kannur and Kasargod.

This unit fosters technical proficiency among students and the local community through talks, workshops, and competitions. The IEEE Student Branch provides a platform for young engineers to enhance their skills in a supportive technical environment.

The student branch takes initiative in organizing flagship events like **Excelsior, Symposium, Scale-Up, Matrix, Upscale** and much more to promote technical excellence. These initiatives provide students with hands-on experience, networking, and skill enhancement.

# About the Symposium

**The Symposium on Electrical Drives, Robotics, Control, and Computing** is a flagship event of the Department of Electrical Engineering, GEC Palakkad organized every year in association with IEEE Student Branch, Government Engineering College Palakkad, designed to provide students with a platform to present their ideas and projects in front of a panel of experts. The event is technically sponsored by IEEE Malabar Subsection.

The symposium encourages students to explore innovative concepts, receive constructive feedback, and engage in technical discussions that enhance their understanding of emerging technologies. It's not just about technical depth—it's about curiosity, creativity, and the joy of exploring new possibilities in engineering and technology!

Participants submit one-page summaries of their work, covering advancements in drives, control, robotics, structures, computational dynamics, AI, computing, and related fields. The presented paper summary will be published in the Institute Symposium Proceedings.

The organizers of the Symposium on Electrical Drives, Robotics, Control, and Computing, GEC Palakkad welcomes you to engage in insightful discussions, explore groundbreaking ideas, and foster collaborations that will drive innovation in the field of engineering

The event invites summaries in any of the following domains:

- Power Electronics
- Power Systems
- Electrical Machines and Drives
- Instrumentation, Control, Robotics, and Automation
- Computational Fluid Dynamics
- Energy Engineering
- Communication Systems and Algorithms
- Microwave and Wireless Systems
- VLSI and Embedded Systems
- Signal Processing
- Data Science and Machine Learning
- Security, Privacy, and Trust
- Image Processing
- Software Engineering and Algorithms
- Language Computing
- Structural Engineering and Smart Materials
- Transportation Systems and Traffic Engineering
- Environmental Engineering and Sustainability

## Registration

- Registrants must register through <https://forms.gle/imobBkPWTH2XRiRd6>
- Registration includes registration kit, lunch and snacks.
- All the registered participants will receive IEEE presentation certificate
- Ideas and presentations summary shall be submitted in IEEE format.  
Format for summary submission  
<https://ieee-sb.vercel.app/event/symposium>
- A google drive link will be mailed to the registrants to upload their papers in the required format before the prescribed date.

## Awards and Certificates

- Best presentation award for each track.
- Participation and presentation certificates for registered participants only.

# Inaugural Address

## Dr. Ajith Gopi

Head Technical Consultancy In Solar PV Projects

ANERT - Agency For New And Renewable Energy Research And Technology

Thiruvananthapuram

## Keynote Speakers

1

**"Powering the Future: Navigating the Energy Transition  
to Renewables"**

**Speaker : Dr Ajith Gopi**

Head Technical Consultancy In Solar PV Projects

ANERT – Agency For New And Renewable Energy Research And

Technology, Thiruvananthapuram

2

**"Warping resilient robust anomaly detection for  
multivariate time series"**

**Speaker : Dr. Sahely Bhadra**

Department of Data Science, IIT Palakkad

3

**"Application of Computer Vision in Robotics"**

**Speaker : Dr. Lalu P P**

Professor, Department of Mechanical Engineering,  
Government Engineering College Thrissur

# Important Dates



## Registration Fees

**IEEE MEMBER  
(Rs.120)**

**NON IEEE MEMBER  
(Rs.175)**

# Organisation

Patron	:	Dr. K R Remesh Babu Principal In-Charge, GEC Palakkad
Organising Chair	:	Dr. Vinita Chellappan Vice Chair, IEEE Malabar Sub Section Professor, Dept. Of Electrical Engineering
Co-Chair	:	Dr. Dhanya K M IEEE SB Counselor Asso. Professor, Dept. Of Information Technology
Technical Committee Chair	:	Dr. Lisy E R Professor And Head, Dept. Of Electrical Engineering
Student Chair(S)	:	Devika V R (Dept. Of CSE) Ansaaf Anas (Dept. Of CSE)
EEE Department	:	Dr. Joseph Peter and Prof. Vidhun M
ECE Department	:	Dr. Mohanan K P and Dr. Anitha R
IT Department	:	Prof. Sujo Vasu and Dr. Rani M R
CSE Department	:	Prof. Liji K Dominic and Prof. Ruksana N
ME Department	:	Dr. Manoj and Prof. Akhil R
CE Department	:	Prof. Shabana Mohammed M and Prof. Kiran P George
Student technical committee chair	:	Ms. Stella Kurian Research scholar, Dept of Electrical Engineering

## For Queries Contact

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