

# Key Highlights

- Distinguished Keynote Address by Dr. S. Somanath, former Chairman of ISRO
- Expert Talk by Dr. Tessy Thomas, Former Director General (Aeronautical Systems), DRDO
- AI-Driven Communication Systems — From Concepts to Real-World Applications
- Focus on Next-Generation Technologies — 5G/6G, IoT, and Smart Communication Systems
- Sessions by Premier Institutions: IIIT Kottayam, IIT Palakkad, and PALS (an IIT Madras initiative)
- Industry & Startup Perspective by Nivetti Systems — An Emerging Tech Enterprise
- Smart & Secure Networks — Intelligence, Optimisation, and Applications
- Fully Online Mode — accessible to participants across India and abroad
- E-certificates will be provided to all active participants.

## Organizing Committee

### Chief Patron

Msgr. Jose Konikkara, Manager - JEC

### Patrons

Rev. Fr. David Nettikkadan, Executive Manager

Rev. Fr. Dr. Jose Kannampuzha, Director (Academics)

### Organizing Chairman

Dr. P. Sojan Lal, Principal

### Convenor

Dr. Jose P. Therattil, HoD & Professor, Dept. of ECE

### Coordinators

Ms. Neethu Rose Thomas, Assistant. Professor

neethurose@jecc.ac.in || +91 85478 01784

Dr. Prajoon P., Associate Professor

prajoonp@jecc.ac.in || +91 88385 11531

## Registration

### Who can apply?

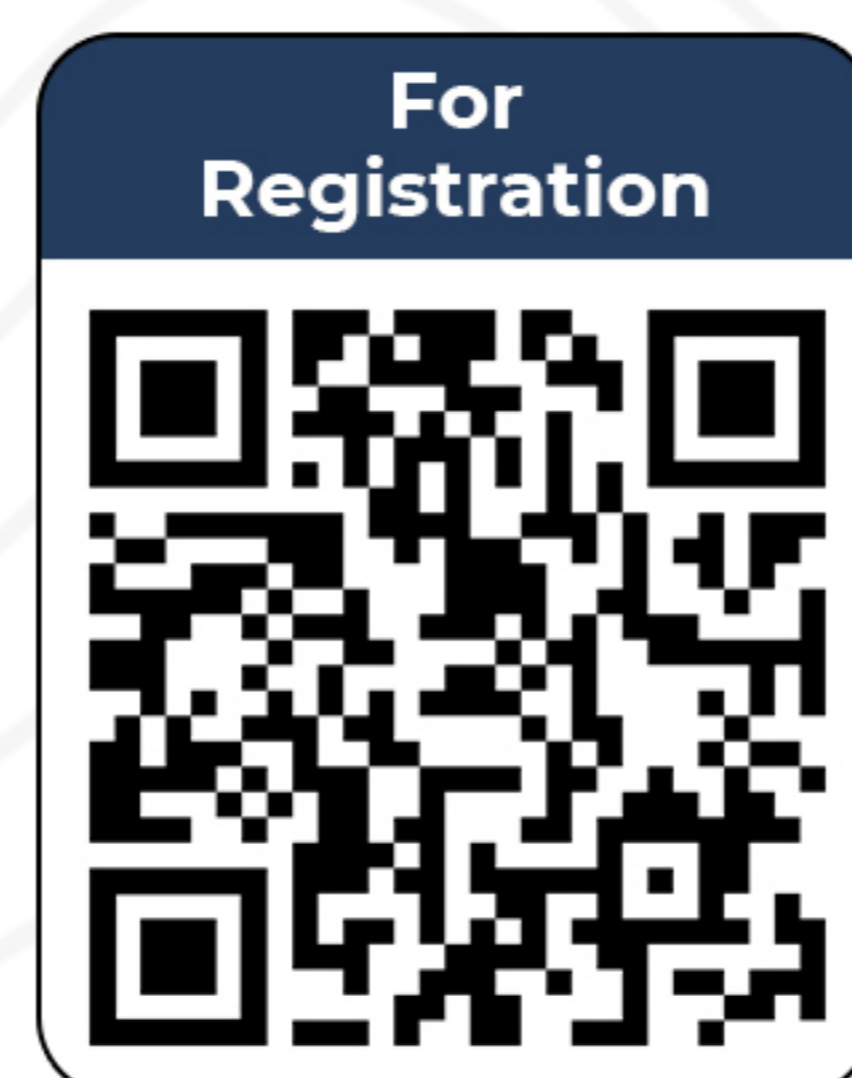
- UG & PG Students • Faculty Members • Research Scholars • Industry Professionals
- Medical Professionals (Open to participants from India and overseas)

### Fee Structure

No. of Participants	Fee per Person
1-10	Rs. 200
11-20	Rs. 180
21-30	Rs. 160
31 and above	Rs. 150
Special fee for IEI and ISTE Members : ₹175/-	

### How to apply?

- Registration Fee
- 50% discount for UG/PG students



"Once the payment is completed, kindly fill in your details using the registration link."

 **Last date to apply**

5 June, 2026

**Registration Link**

<https://forms.gle/NUbEfJ5GJ1YsqxKS8>



**Department of Electronics and Communication Engineering**

in Collaboration with

The Institute of Engineers (India), Kerala State Centre &  
Indian Society for Technical Education (ISTE)  
organizes

**Six-Day Online Faculty Development Programme**



# "Advanced Communication Systems: Shaping Next-Generation Networks"



**9 – 16 June 2026**



**10:30 AM – 2:30 PM**

## About Jyothi Engineering College (JEC)

Jyothi Engineering College, under the Syro-Malabar Catholic Archdiocese of Thrichur, is an autonomous institution affiliated to APJ Abdul Kalam Technological University. Committed to academic excellence, Jyothi stands as a beacon of quality education, innovation, and holistic development. The serene campus, enriched with modern facilities and a vibrant learning culture, fosters professional growth and ethical values.

## About the Department

The Department of Electronics and Communication Engineering has been a hub of technological excellence and innovation since its inception. With a strong focus on VLSI, IoT, signal processing, and communication systems, the department fosters research, industry collaboration, and high-quality teaching. The dedicated faculty, state-of-the-art labs, and

## Vision

Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.

## Mision

- To impart comprehensive knowledge and practical skills in Electronics and Communication Engineering.
- To provide an environment that nurtures a culture of innovation and entrepreneurship, to develop solutions to real-world challenges.
- To foster socially responsible engineers and ethical leaders who drive positive change through innovative technology.

## The Institution of Engineers(India)

The Institution of Engineers (India) (IEI) was established in 1920, is the largest multidisciplinary professional body for engineers with 0.8+ million members. It promotes engineering excellence through research, certification, and collaboration. The Kerala State Centre (est. 1947) has 75+ years of service, with centres across Kochi, Thrissur, Palakkad, Kozhikode, and Kollam.

## About the FDP

The six-day online Faculty Development Programme on Advanced Communication Systems: Shaping Next Generation Networks aims to provide a comprehensive platform for academicians, researchers, and industry professionals to explore emerging trends in modern communication technologies. The programme brings together eminent experts from premier institutions and organisations such as ISRO, DRDO, and leading academic institutes to deliver insights into next-generation networks, AI-driven communication systems, smart networking, and industry advancements. The FDP is designed to bridge the gap between theoretical concepts and real-world applications in advanced communication systems.

## Topics

- ◆ Fundamentals and evolution of next-generation communication networks (5G/6G).
- ◆ AI-driven communication systems: concepts, models, and applications.
- ◆ IoT and intelligent communication frameworks.
- ◆ Panel discussion on future communication technologies and research directions.
- ◆ Advanced signal processing and communication techniques.
- ◆ Smart and secure networks: optimisation, intelligence, and cybersecurity aspects.
- ◆ Defence and space communication technologies.

# Keynote Speakers / Resource Persons



## Dr. S. Somanath

Former Secretary, DoS & Chairman, ISRO; Distinguished Visiting Prof., IISc Bangalore; Chancellor, Chanakya University; Advisor (Space Technology), AP Govt.



## Dr. Tessa Thomas

Vice Chancellor, NICHE Kanyakumari; Distinguished Scientist; Former Director General (DG), Aeronautical Systems, DRDO



## Dr. A. Unnikrishnan

Former Associate Director, Scientist H and Outstanding Scientist, NPOL, DRDO, Kochi



## Mr. Raghuveer B. K.

CEO & Founder, Nivetti Systems



## Ms. JinaPriya AjithaDoss

Vice President – Global Delivery, Galent



## Mr. P. Balakrishnan

Vice President & Business Head – Communication Vertical, TCS



## Dr. Rahul Jashvantbhai Pandya

Associate Professor, Electrical, Electronics and Communication Engineering (EECE) Indian Institute of Technology, Dharwad



## Dr. P. T. Mathew

ITS (Retd.), Senior Deputy Director General, Dept. of Telecommunications, Govt. of India; Adjunct Professor, Jyothi Engineering College (Autonomous).



## Dr. Jobin Francis

Associate Professor, Dept. of Electrical Engineering, IIT Palakkad



## Dr. Ananth A.

HoD, Department of ECE, IIIT Kottayam



## Dr. Krishnendhu S. P.

Assistant Professor, IIIT Kottayam



## Dr. Bindhu K. Rajan

Associate Professor, Department of ECE, Jyothi Engineering College (Autonomous)

## Objectives

- Enhance knowledge in 5G/6G, AI-driven networks, and smart communication systems
- Provide exposure to real-world applications through expert sessions and panel discussions
- Foster research orientation and innovation in advanced communication domains
- Strengthen academia-industry collaboration for curriculum enrichment and skill development

## Outcomes

- Understand and apply concepts of next-generation communication systems in teaching and research
- Gain insights into AI-based communication techniques and smart network optimization
- Integrate advanced communication topics into academic curriculum and research projects
- Develop awareness of current industry trends and future research directions