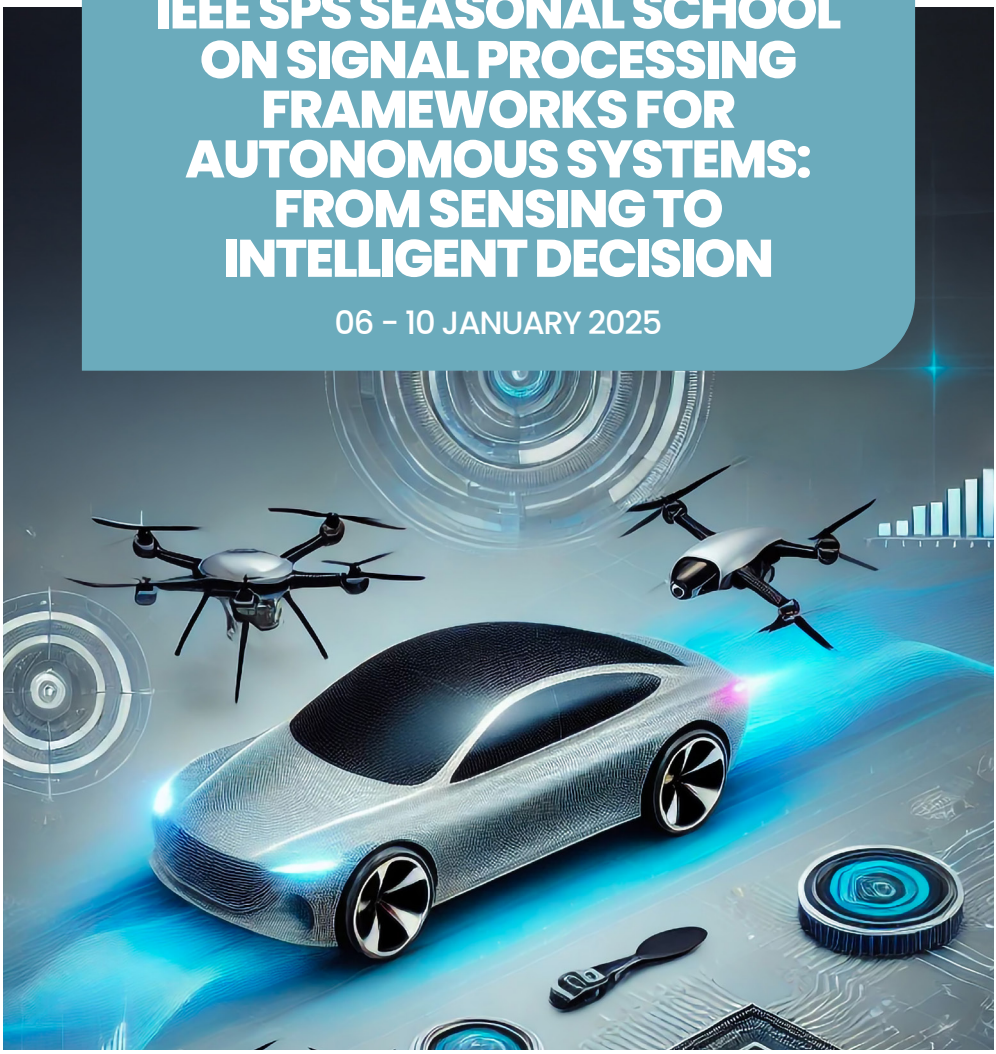
KUMARAGURU COLLEGE OF TECHNOLOGY
character is life

IEEE Signal Processing Society
CELEBRATING 75 YEARS

## DEPARTMENT OF
## ELECTRONICS AND COMMUNICATION ENGINEERING

# IEEE SPS SEASONAL SCHOOL ON SIGNAL PROCESSING FRAMEWORKS FOR AUTONOMOUS SYSTEMS: FROM SENSING TO INTELLIGENT DECISION

06 - 10 JANUARY 2025



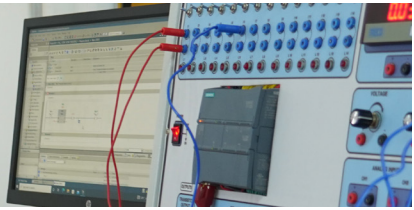
# ABOUT **KCT**

**Kumaraguru College of Technology (KCT)**, Coimbatore, with over four decades of academic excellence in engineering and technology education is an integral part of Kumaraguru Institutions.. Founded by Padma Bhushan Arutchelvar Dr. N. Mahalingam, **Kumaraguru College of Technology (KCT)** was established in 1984, followed by **KCT Business** School in 2005, **Kumaraguru Institute of Agriculture (KIA)** in 2014, **Kumaraguru College of Liberal Arts and Science (KCLAS)** in 2018, and **Kumaraguru School of Business (KSB)** in 2022. Together, these institutions promote a cross-dimensional education model that broadens intellectual horizons and nurtures empowered, socially conscientious students.

Located on a sprawling 156-acre campus within Coimbatore's IT corridor, KCT is an autonomous institution affiliated with Anna University, Chennai, and approved by the All-India Council for Technical Education (AICTE), offering 14 undergraduate, 12 postgraduate and 18 research programmes. With over 800 faculty, research, administrative, and support staff, KCT progressively impact more than 8,000 students annually. National accreditation bodies like NAAC, NBA, and NIRF have consistently recognized their excellence, and KCT's **NAAC A++ grade**, **QS I-Gauge Diamond rating**, and multiple **CII Industrial Innovation Awards** highlight their commitment to innovation and quality. At the core of student engagement in research are Kumaraguru's thriving forums: **Ré, iQube**, and **Garage** fostering interdisciplinary research and creating an ecosystem for innovation.

**Kumaraguru Institutions** continues to shape generations of students by combining a rich educational legacy with forward-thinking research and innovation, fostering community engagement, and maintaining academic rigor, thereby paving way for a transformative education journey.

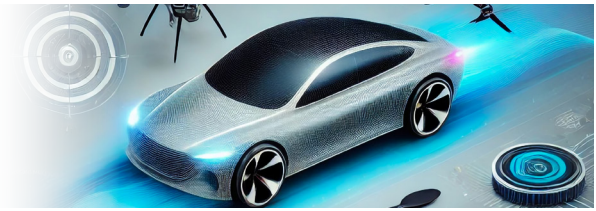
# ABOUT THE **DEPARTMENT**



The Department of Electronics & Communication Engineering started in the year 1987 stands out as a dynamic hub of innovation and academic excellence equipping young minds with the necessary technical knowledge and professional skills needed to address the challenges in the rapidly growing field of Electronics and Communication Engineering.

A team of highly qualified and experienced faculty members ensures that students receive a comprehensive education that goes beyond theoretical knowledge. Equipped with state-of-the-art laboratories, the faculty actively engages in cutting-edge research, contributing to advancements in DSP, VLSI design, optical communication, microwave engineering, and RF communication.

# ABOUT THE **EVENT**



The Department of ECE, Kumaraguru College of Technology, Coimbatore, Tamil Nadu 641049, India is organizing the **IEEE SPS Seasonal School on 'Signal Processing Frameworks for Autonomous Systems: From Sensing to Intelligent Decision' from 06.01.2025 to 10.01.2025.**

The Seasonal School will delve into cutting-edge advancements in signal processing tailored for autonomous systems, traversing the intricate journey from sensor data acquisition to informed decision-making. Participants will explore the latest methodologies, algorithms, and technologies shaping the landscape of autonomous systems. The rise of autonomous systems, from self-driving cars to intelligent drones, hinges on their ability to perceive and understand the world around them as humans do. This is where signal processing takes center stage, acting as the interpreter between raw sensor data and actionable decisions.

The technical event comprises diverse sessions, including keynote speeches, hands-on sessions, and poster presentation. Renowned experts and leading researchers from academia and industry are invited to deliver keynote speeches to share their insights and experiences in the field.

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## Registration Fees

| | |
|---|---|
| IEEE SPS Members | : **Rs. 200/-** |
| IEEE Members | : **Rs. 300/-** |
| Non-IEEE Members | : **Rs. 400/-** |
| Registration Deadline | : **02. 01. 2025** |

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REGISTRATION LINK

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## FOR FURTHER INFORMATION CONTACT


**Dr. A. Amsaveni**
amsaveni.a.ece@kct.ac.in
+91-9894036677

**Ms.R.Dhivya Praba**
dhivyapraba.r.ece@kct.ac.in
+91 9790490204


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