IEEE SPS Seasonal School on Signal Processing Frameworks for Autonomous Systems: From Sensing to Intelligent Decision, Jan 06-10, 2025
Program and Technical Sessions
Kumaraguru College of Technology - Coimbatore-641 049
Venue: TI Centre of Excellence Lab, C-Block, C-104, Department of ECE, KCT

Day 1	9:00–9:30 am	9:30 - 10:00 am	10:00-10:30 am	10:30 am – 12:30 pm	12:30-1:30 pm	1.30 pm - 3:30 pm	
06/01/2025 (Monday)	*Registration*	*Inauguration*	*Break*	*Evolution of AI: The journey from machine learning to Deep Learning* *Dr.Venkataesh Babu, Prof/CDS IISC, Bengaluru*	*Lunch*	*Synchronized trajectory tracking control for unmanned aerial vehicles* *Dr. Karthick S* *Post Doctoral Researcher* *IPTIF, IIT Palakkad.*	
Day 2-Day 5	**9:30 – 11:00 am**		**11:00-11:20 am**	**11:20 am – 12:50 pm**	**12:50 - 1:30 pm**	**1.30-2:30 pm**	**2:30-3:30 pm**
07/01/2025 (Tuesday)	*LIDAR Based Mapping for Indoor Robots* *Dr.S.A.Pasupathy Professor, KC.AIR, KCT*		*Break*	*Sparse Sensing Design for Autonomous Systems* *Dr. Ashok Chandrasekaran AP/School of CDS Sai University, Chennai*	*Lunch*	*Hands-on session* *R.Dhivya Praba AP-II/ECE, KCT*	*Hands-on session* *Dr.R.S.Sandhya Devi AP-III/EEE, KCT*
08/01/2025 (Wednesday)	*Shaping 6G Innovation: Intelligent Reflecting Surface Techniques for Autonomous Systems* *Dr.P.Visalakshi, Prof/ECE PSG College of Tech*		*Break*	*IEEE Membership Drive and Funding Opportunities* *Dr.A.Amsaveni, Prof/ECE, KCT*	*Lunch*	*Ethical and Legal Challenges in Drone Autonomy & Hands-on Simulation and Testing of Autonomous Drones* *Dr.J.Darshan Kumar AP- III, Dept of Aeronautical Engg., KCT*	
Day 4 09/01/2025 (Thursday)	*Field Visit to Enthu Technology Solutions India Pvt Ltd, Coimbatore*						
10/01/2025 Friday	*Smart Connections: Communication Systems Driving Autonomous Vehicles* *Dr.K.Kavitha, Prof/ECE, KCT*		*Break*	*Explainable AI for Safety Critical Applications* *Mr. Selventhiran Rengaraj Assoc Technical Project Manager MulticoreWare Inc*	*Lunch*	*Poster Presentation*	*Valedictory*