

**EESS25 – 10-12 July 2025 – Schedule – Venue: B-308, EE, IISc**

Time	Thursday (10/7)	Time	Friday (11/7)	Time	Saturday (12/7)
<b>7.45 to 8.30</b>	<b>Breakfast</b>	<b>8.00 - 9.00</b>	<b>Breakfast</b>	<b>8.00 - 9.00</b>	<b>Breakfast</b>
<b>8.30 - 9:00</b>	Registration				
<b>9:00 - 9:15</b>	Inauguration	<b>9:00 - 11:00</b>	High Voltage Lab Visit	<b>9:00 - 10:45</b>	EE Lab visits
<b>9:15 - 10:15</b>	About IISc, EECS - Prof P S Sastry About EE Chair: Udaya Kumar				
<b>10:15 - 11:00</b>	Industry Talk: Vishal Gopalakrishnan, Bloom Energy, Emerging Opportunities in Engineering Sectors				
<b>11:00 - 11:15</b>	Tea Break	<b>11:00 - 11:15</b>	Tea Break	<b>10:45 - 11:00</b>	Tea Break
<b>11:15 - 12:15</b>	Faculty Talk 1: Prasanta Kumar Ghosh, A peep into how the voice assistants work	<b>11:15 - 12:15</b>	Faculty Talk 2: Prof Sriram Ganapathy, Demystifying the Black Box: Explainability and Trust in Modern AI	<b>11:00 - 12:00</b>	Life @IISc, Prof Soma and Prof Kiran Kumari
<b>12:15 - 13:15</b>	Student talk 1: Soumya Dutta, Emotion in Speech: Recognition and Synthesis Student talk 2: Harisyam PV, Making the Power Converters Smaller Student talk 3: Chandra Mohan Sharma, Speech Enhancement Student talk 4: Syamala Mutnoory, Characterization and Voltage Balancing of Ultracapacitors	<b>12:15 - 13:15</b>	Student talk 1: Debarpan Bhattacharya, Uncertainty estimation of LLMs Student talk 2: Soumyadeep Chowdhury, Salient Aspects of Aircraft-initiated lightning and the resulting EM fields Student talk 3: Shashank S, A Cyber-Physical Modeling and Vulnerability Assessment Framework for Smart Grids Student talk 4: Abijith Jagannath Kamath, High-Dynamic-Range Imaging in the Neuromorphic Unlimited Sampling Framework	<b>12:00 - 13:15</b>	Research Students Symposium Poster Sessions
<b>13:15 - 14:00</b>	LUNCH BREAK	<b>13:15 - 14:00</b>	LUNCH BREAK	<b>13:15 - 14:00</b>	LUNCH BREAK
<b>14:00 - 15:45</b>	Tutorial 1: Prof Kaushik Basu, Power Electronics: The Enabling Technology for a Clean Energy Future Tutorial 2: Dr.Kiran Kumari, Control-Theoretic Foundations for Robotics: Theory to Implementation	<b>14:00 - 15:45</b>	Tutorial 1: Dr. Samir Hazra, High-Level Design Principles of Inverters for Grid and EV Applications Tutorial 2: Prof Soma Biswas, Computer Vision at a Glance	<b>14:00 - 14:30</b>	About IEEE
				<b>14:30 - 15:00</b>	Closing Ceremony
<b>15:45 - 16:00</b>	Break	<b>15:45 - 16:00</b>	Break		
<b>16:00 - 17:30</b>	EE Lab Visits	<b>16:00 - 16:45</b>	Faculty Panel		
		<b>16:45 - 17:30</b>	Students Panel		
<b>17.30 - 18.30</b>	High Tea	<b>17.30 - 18.30</b>	High Tea		

## Research Students Symposium Poster Sessions - 12th July Saturday 12 - 13.15

Sl.no	Student Name	Title of the Poster
1	Naresh Rana	A Novel Single-Phase Single-Stage Multiport Integrated Onboard Charger for EV utilising Traction Motor drives
2	Himanshu Bhusan Sandhibigraha	Reconfigurable Multi-port Converter for Electric Vehicle Charging
3	Anwesha Banerjee	Generalized Category Discovery
4	Aditya Raj	Experimental Evaluation of Force-Current Characteristics of a Radial Electromagnetic Bearing
5	Debarshi Brahma	Prompt Tuning VLMs for Few-shot learning under Distribution shifts
6	Neha Rajput	High-frequency magnetic materials characterization testbench
7	Tanuka Bhattacharjee	Dysarthric speech processing
8	Dharani Moka	Study of Solid Rotor Induction Machine
9	Chetan Sharma	Articulatory Analysis and Modeling of Speech Production in real-time MRI videos
10	Nithyadas P V	Modulation Techniques for Capacitively Blocked Dual-active Half-bridge Converter
11	Samrat Das	Performance Evaluation of Single-Pulse-Operated High-Speed Switched Reluctance Machine Towards Multi-Objective Optimization
12	Raushan Kumar	Grid Connected inverter control in Grid Following Mode
13	Durvesh Kalke	Emulation of Ternary Pumped Storage Hydro Plant on a Laboratory Micro-alternator
14	Adarsh Jain	Cold-Diffusion Driven Downward Continuation of Gravity Data
15	Sai Samrat Kankanala	Decoding Auditory Attention
16	Ashish Verma	Diffusion Model Based Image Reconstruction in Lensless Imaging
17	Ayush Jha	MIT Coffee Can Radar Demo
18	Aabid Ahmad Da	Reconfigurable Step-Up/Down Series-Pass Partial Power Processing Converter for Electric Vehicle Charging Stations
19	Soumyadeep Chowdhury	Salient Aspects of Aircraft-initiated lightning and the resulting EM fields
20	Shashank S	A Cyber-Physical Modeling and Vulnerability Assessment Framework for Smart Grids
21	Syamala Mutnoory	Characterization and Voltage Balancing of Ultracapacitors