



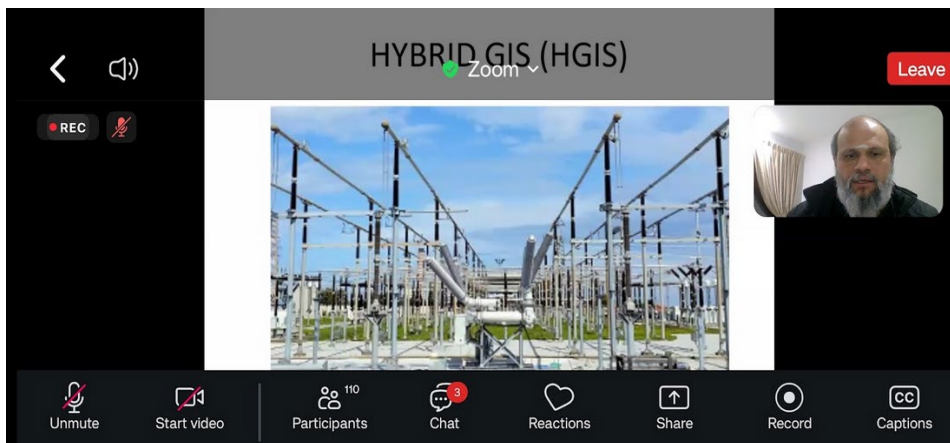
Department of Electrical and Electronics Engineering

Event Title	AICTE Training and Learning (ATAL) Academy Sponsored Six – Day Online Faculty Development Program
Event category	Co-curricular Activities
Date and duration	16 th to 21 st December 2024, Six days
Department	EEE
Co-ordinators	Dr. M. Mohamed Iqbal, Professor Dr. C V Pavithra, Assistant Professor (Selection Grade)
No. of participants	132

Event Report

On 16/12/2024, the session was started with the inauguration and welcome address by the Head of the Department, Dr. C. S. Subash Kumar. Dr. Jayapal R, Automation Consultant, AGM (Retd.) BHEL, Trichy delivered the first session on the topic “Power Industries to Achieve Sustainable Development Goals”. The second session was handled by Dr. Sundaram M, Associate Professor, Department of EEE, PSG College of Technology on the topic “Variable Frequency Drives (VFDs) for Reducing Carbon Footprint”. **On 17/12/2024**, the first session was provoked by Mr. Balasubramanian M S, Engineering Manager, Power Transmission and Distribution, Larsen & Toubro Ltd. His session on commented on the modern electrical grid. The next session by Dr. Sunitha K, Professor, Department of EEE, NIT Calicut, Kerala delivered lecture on “High Performance and Sustainable Nano Composites for Protection of Electrical Systems”. **On 18/12/2024**, the first session by Mr. Venkatesh L R, Managing Director, VESAT Renewables Private Ltd. highlighted the recent trends in solar energy systems, highlighting technological innovations, market developments, research opportunities and policy shifts. The next session by Dr. Kalpana P, Associate Professor, IITDM, Kancheepuram on emphasized on the principles of the Circular Economy in renewable energy. **On 19/12/2024**, Dr. Ravi C N, Professor, Vidya Jyothi Institute of Technology, Hyderabad delivered a talk on “Need of Artificial Intelligence Optimization Techniques in Smart Grid”. Later the hands-on session on ETAP handled by the Internal expert Dr. M. Mohamed Iqbal, Professor, Department of EEE, PSG iTech.

On 20/12/2024, Dr. Gunasekaran Thangavel, Senior Lecturer, Department of ECE, University of Technology and Applied Sciences, Muscat delivered a talk on “Analysis of Soil CO₂ in the Context of Climate Change”. Later Mr. Giridhar J.G., CEO & Managing Director, SIERRA ODC Private Ltd. highlighted on “Combating Climate Change with Green Buildings”. **On 21/12/2024**, first session was handled by the Dr. Ravi Samikannu, Associate Professor, Botswana International University of Science and Technology, Botswana. He detailed on “Assessment and Design of Solar Photovoltaic Energy System for Rural Electrification”. During next session, Mr. Anush Prabhakaran, Specialist Hardware Engineer, Bosch Global Software Technologies shared his experience in electrical vehicle design and the safety aspects needed in recent days in the automobile industries. The last session was handled by the expert Mr. Cedric H M, Founder and IE Consultant, Cedar Solutions and Services, on “Process Optimization through Lean Manufacturing Techniques in Industrial Engineering”. The six-days online FDP completed successfully with the online test conducted through ATAL portal. The session-wise feedback was collected on daily basis along with the video feedback from the participants. The participants found the FDP highly informative and useful with many interactions made with the industrial experts.



Expert delivering session