



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

Phone: 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**EE068****NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**GUEST LECTURE ON " APPLICATION OF ELECTRICAL MACHINES IN MODERN INDUSTRIES"**

Event No	EE068
Organizing Department	Electrical and Electronics Engineering
Associate Dept. NSC	5 S Electrical and Electronics Engineering
Date	17/03/2023
Time	01:30 PM to 04:00 PM
Event Type	Guest Lecture
Event Level	Dept. Level
Venue	THANAM HALL
Total Participants	281
Industry Personnel	10
Faculty - Internal	16
Students - Internal	255

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr M Sundaram	AsP/EEE	PSG College of Technology, Coimabtoe	msm.eee@psgtech.ac.in	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Sathish Kumar Dhamodharan	Coordinator

Outcome

The Guest Lecture had given a detailed view about the recent developments in the electrical machines and their various applications in the industries. The students were able to acquire the detailed essence of the presentation. There was a healthier conversation among the presenter and the students.

Event Summary

The Guest Lecture had given a detailed view about the recent developments in the electrical machines and their various applications in the industries. The students were able to acquire the detailed essence of the presentation. There was a healthier conversation among the presenter and the students. The presenter had explained about the various industrial applications like drone, elevators, escalators, and home appliances where we use the electric motors. He also explained the applications of electric motors in the field of medicines and also how the recent technologies like Artificial Intelligence, Internet of Things, and Machine Learning are used to operate the control the motors effectively. The presenter has cleared the various queries raised by the audience. He also showcased the current process that is happening in the manufacturing of the electrical motors using various robotics. He also explained the how the winding are made in the electrical motors using the recent advancements in the modern industries. Electrical machines are the key technology in the forthcoming revolution of the transportation system, and the electric powertrain remains the final energy user and is responsible for vehicle performance and efficiency. He also gave the brief idea about Electrical machine design and control for EV application, Powertrain integration and high speed operations, Electrical machine cooling aspects, Electric motor with reduced critical materials, New materials for electrical machines, Application of multiphase motors in EV, Electrical machines under regenerative braking operation, Designing for mass production. Hence this guest lecture had been a eye opener for the students about the application of electrical machines.

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Department of Electrical and Electronics Engineering

Organizes a Guest Lecture on
Application of Electrical Machines in Modern Industries



Dr. M. Sundaram
Associate Professor
Department of EEE
PSG College of Technology
Coimbatore

17.03.2023
02.30 PM - 04.00 PM

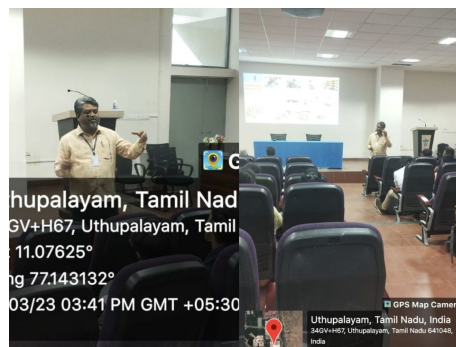
Thanam Hall

SUSTAINABLE DEVELOPMENT GOALS

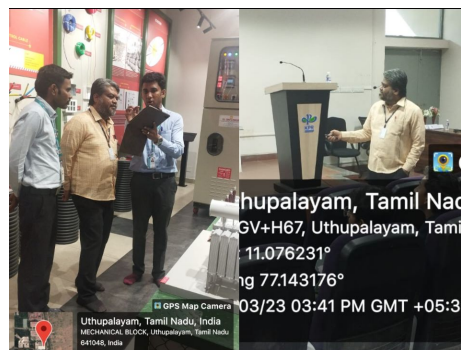
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