



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**IEEE AT001****NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**EXPERT LECTURE ON COMPONENTS AND SYSTEMS FOR ELECTRIC VEHICLES**

Event No	IEEE AT001
Organizing Department	IEEE Advisory Team
Associate Dept. NSC	Electrical and Electronics Engineering
Date	24/04/2024
Time	10:00 AM to 12:00 PM
Event Type	Expert Talk
Event Level	Dept. Level
Venue	Thanam Hall
Total Participants	142
Faculty - Internal	2
Students - Internal	140

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	C Pratheep	Design Lead	Steam-A Pvt Ltd	cpazhanimuthu@kpriet.ac.in	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Pazhanimuthu C	Coordinator
2	Dinesh C	Coordinator

Outcome

Participants gained a solid foundation in the core principles of electric vehicle technology, including: Electric motors and propulsion systems
Battery technology and energy storage
Power electronics and control systems
Charging infrastructure

Event Summary

The IEEE Power and Energy Society organized a expert lecture on "Components and Systems for Electric Vehicles" on 24/04/2024 for students' community. A heart-warming welcome was delivered by Mr.C.Dinesh, AP (Sl.G)/EEE, IEEE SB Counselor. Ms.Mariya Ashile, II-EEE has introduced the resource person Mr.C.Pratheep, Design Lead, Steam-A Private Limited, Coimbatore. Dr.C.Pazhanimuthu, AP (Sl.G)/EEE has proposed the vote of thanks. The resource person has delivered a valuable presentation on Electric motors and propulsion systems
Battery technology and energy storage
Power electronics and control systems
Charging infrastructure
The lecture provided a comprehensive overview of the various components that make up an electric vehicle, including: Traction motor and inverter
Battery pack and management system
DC-DC converter
Thermal management system
Onboard charger
Vehicle control unit
The resource person also shared their wide experience in real-time troubleshooting of electric vehicle batteries. The lecture sparked discussions and questions about the future of electric vehicles and their potential impact on society and the environment. Participants may have gained insights into potential career paths in the electric vehicle industry. The event could inspire attendees to explore electric vehicles further, consider purchasing an EV, or advocate for policies that support the transition to electric transportation.



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PES



SSEM

IEEE Power and Energy Society
Organises an Expert Lecture on
**Components and Systems for
Electric Vehicles**

Student PES Day Ambassador
Mr.P.S.Harish/ EEE
Ms.R.D.Kavyasri/EEE

IEEE SB Counsellor
Mr.C.Dinesh, AP (Sr.G) / EEE

Faculty Coordinator
Dr.C.Pazhanimuthu, AP (SLG) / EEE

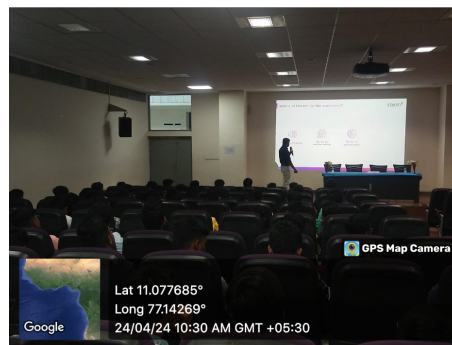
24.04.2024 | 10.00 AM to 12.00 PM
VENUE : THANAM HALL

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Resource Person
Mr.C.Pratheep
Design Lead
Steam-A Pvt Ltd
Coimbatore



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