

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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NBA Accredited (CSE, ECE, EEE, MECH, CIVIL)

HANDS-ON TRAINING ON ELECTRIC AND HYBRID VEHICLE TECHNOLOGY

Event No	IEEE AT001
Organizing Department	IEEE Advisory Team
Associate Dept. NSC	Electrical and Electronics Engineering
Date	24/04/2024
Time	02:00 PM to 04:00 PM
Event Type	VAC / Training Program
Event Level	Dept. Level
Venue	Electric and Hybrid Vehicles Laboratory
Total Participants	30
Students - Internal	30

Related SDG



Resource Persons

SI	Туре	Name	Designation	Company	Email	Phone
1	Resource Person	C J Vignesh	Assistant Professor (Sr.G)	KPR Institute of Engineering and Technology	vignesh.cj@kpriet.ac.in	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Pazhanimuthu C	Coordinator
2	Dinesh C	Coordinator

Outcome

Participants gained practical experience working on electric and hybrid vehicles

Event Summary

Participants gained practical experience working on electric and hybrid vehicles, including: Safely handling high-voltage systemsDiagnosing common EV/HEV problemsPerforming basic maintenance and repairsUnderstanding the operation of electric motors, batteries, and power electronicsThe training boosted participants' confidence in working with electric and hybrid vehicles, preparing them for potential careersElectric vehicle service and repairBattery maintenance and diagnosticsHybrid vehicle repairElectric vehicle research and developmentParticipants gained a deeper understanding of the safety protocols and procedures specific to working with high-voltage systems in electric and hybrid vehicles. The hands-on nature of the training likely fostered collaboration and teamwork as participants tackled challenges and troubleshooting exercisesThe training likely involved working on real electric or hybrid vehicles, giving participants hands-on experience with: Troubleshooting actual malfunctions and component failuresApplying theoretical knowledge to diagnose and solve practical problemsWorking within a time frame to complete specific repair tasksThis expanded response provides a more detailed picture of the potential outcomes of a hands-on training program. It highlights the specific skills gained, career paths opened, safety emphasis, real-world application, and long-term impact on participants' professional development.





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