



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

MI001

NBA Accredited

(CSE, ECE, EEE, MECH, CIVIL)

INTRODUCTION TO MOBILITY TECHNOLOGIES: ICE, EV AND HEV

Event No	MI001
Organizing Department	Mechatronics Engineering
Date	25/05/2024
Time	09:00 AM to 04:15 AM
Event Type	Workshop
Event Level	NSC
Venue	Hybrid and Electric Vehicle Laboratory (Centre of Excellence)
Total Participants	52
Students - Internal	52

Related SDG



Involved Staffs

Sl	Name	Role
1	Arpit Anil Panwar	Convenor

Outcome

The workshop achieved its primary objective of providing a comprehensive introduction to mobility technologies, specifically focusing on Internal Combustion Engines (ICE), Electric Vehicles (EV), and Hybrid Electric Vehicles (HEV). Key outcomes of the event included: **Enhanced Knowledge:** Participants gained a thorough understanding of automobile engineering concepts, including the differences between conventional, hybrid, and electric vehicles. **Practical Experience:** The hands-on sessions with real vehicle components such as the AUDI Q5 cut-sections, MPFI engine, CRDI engine, and hybrid and electric vehicle drivetrains significantly enriched the students' practical knowledge. **Increased Engagement:** The interactive nature of the workshop, especially the Q&A session, facilitated active student participation and engagement, fostering a conducive learning environment. **Future Workshops:** The event highlighted the importance of attendance and active participation in such workshops, as emphasized in the pre-event communication. This will likely improve attendance and engagement in future workshops conducted by the Centre. **Networking Opportunities:** Students had the opportunity to network with peers, fostering a collaborative learning atmosphere.

Event Summary

On 25th May 2024, a workshop titled 'Introduction to Mobility Technologies: ICE, EV, and HEV' was organized at the Hybrid and Electric Vehicle Laboratory (Centre of Excellence). The event, held from 09:00 AM to 04:15 PM, was attended by 52 students. The workshop commenced with an introductory session on the field of Automobile Engineering, covering various types of vehicles and their components. The agenda included an in-depth discussion on the components in conventional vehicles, followed by a detailed exploration of hybrid and electric vehicle components. The session also traced the evolution of automobile engineering, providing insights into its past, present, and future. Participants gained hands-on experience with cut-sections of an AUDI Q5, MPFI engine, CRDI engine, and drivetrain systems for hybrid and electric vehicles. The practical sessions were designed to enhance understanding of the intricate workings of these advanced technologies. The workshop concluded with a Q&A session, where students interacted with the peers, clarifying their doubts and expanding their knowledge on the subjects discussed. The event was a resounding success, reflecting the students' keen interest and the meticulous planning by the organizers.



[Click to View](#)



[Click to View](#)



[Click to View](#)

*** END ***