



Learn Beyond

**KPR Institute of Engineering and Technology**

(Autonomous, NAAC "A")

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**MI001**

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

## INTRODUCTION TO AUTOMOBILE ENGINEERING

<b>Event No</b>	MI001
<b>Organizing Department</b>	Mechatronics Engineering
<b>Date</b>	17/10/2023
<b>Time</b>	04:30 PM to 06:00 PM
<b>Event Type</b>	Workshop
<b>Event Level</b>	Dept. Level
<b>Venue</b>	Hybrid and Electrical Vehicle Laboratory (Centre of Excellen

### Related SDG



### Involved Staffs

Sl	Name	Role
1	Arpit Anil Panwar	Convenor
2	Boopathi M	Convenor

### Outcome

Comprehensive understanding of the historical evolution of automobiles from their early forms to contemporary vehicles. In-depth analysis of the fundamental principles of vehicle dynamics, highlighting the intricate interactions between various components for optimal performance and safety. Emphasis on the critical role of ergonomics in modern automobile design, underscoring its significance in enhancing user comfort and convenience. Detailed exploration of the complex mechanisms underlying engines and transmission systems, providing insights into the heart of a vehicle's functionality. Enhanced practical knowledge through hands-on demonstrations and interactive discussions, facilitating a deeper grasp of theoretical concepts. Participants left the workshop equipped with a solid foundation in automobile engineering, prepared to navigate the complexities of the dynamic automotive industry with a holistic perspective.

### Event Summary

**Introduction:** The Workshop on Introduction to Automobile Engineering, held on the 17th of October, 2023, from 16:30 to 18:00, provided attendees with an insightful journey into the historical evolution of automobiles, emphasizing their significance in contemporary society. **Workshop Content:** Participants engaged in a comprehensive analysis of the foundational principles of vehicle dynamics, discovering the intricate interplay of various components contributing to optimal performance and safety. The session also encompassed a detailed exploration of the pivotal role of ergonomics in modern automobile design, followed by an in-depth examination of the complex mechanisms underpinning engines and transmission systems. **Key Learning Outcome:** Attendees gained valuable insights into the critical aspects of automobile engineering, fostering a profound understanding of the historical development and present-day dynamics of vehicles. Hands-on demonstrations and interactive discussions enriched the learning experience, equipping participants with practical knowledge alongside theoretical concepts. **Conclusion:** The workshop culminated in equipping attendees with a solid foundation in the fundamentals of automobile engineering, nurturing a deep appreciation for the intricate fusion of technology and design driving the automotive industry. Participants left the session well-prepared for their future endeavors, armed with a holistic understanding of the complexities within the realm of automotive engineering.



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