



Topic	Technical Talk on “Mobility”
Date	24-05-2024
Time & Venue	02:00 PM to 04:00 PM
Resource Person	Mr. S. Chandrashekar Prasad
Session Coordinator	Dr. Durga Prasad. C

SESSION SUMMARY

On May 25, 2024, the Mechanical Department hosted an insightful technical talk on mobility, presented by Mr. S. Chandrashekar Prasad. The session, which took place from 2:00 PM to 4:00 PM in the seminar hall, covered a broad spectrum of topics related to modern mobility technologies.

Key Points Covered:

Introduction to Mobility:

Definition and importance of mobility in today’s world.
Various forms of mobility including personal, urban, and autonomous systems.

Advancements in Autonomous Vehicles:

Latest developments in autonomous driving technology.
Key components such as sensors, AI, and machine learning algorithms.
Real-world applications and case studies of autonomous vehicles.

Urban Mobility Solutions:

Integration of smart city concepts with urban transportation systems.
Innovations like bike-sharing programs, e-scooters, and their impact on urban mobility.
Role of IoT and big data in optimizing urban traffic management.

Challenges in Mobility:

Technical hurdles like battery efficiency and real-time data processing.
Regulatory and safety issues concerning autonomous vehicles.
Environmental and ethical considerations in deploying new mobility technologies.

Future Trends:

Emerging trends such as Mobility-as-a-Service (MaaS).
Impact of advanced connectivity on future mobility solutions.
Predictions on the evolution of mobility over the next decade.

Audience Engagement:

The talk was highly interactive, with numerous questions from the audience regarding the safety protocols of autonomous vehicles, the environmental impact of electric vehicles, and the integration of AI in mobility solutions. The use of visual aids, including slides and videos, enhanced the audience's understanding and kept them engaged throughout the session.

Conclusions:

The session concluded with positive feedback from the attendees, who appreciated the comprehensive coverage and engaging delivery of the topic. Overall, the talk provided valuable insights into the current state and future direction of mobility technologies.



Group Photo of Guest Lecture on Mobility