

M. Tech Programme in Department of Mechatronics Engineering

Department of Mechatronics Engineering offers Master of Technology (M.Tech) specialization in **Automotive Technology**. This programme provides students with a depth understanding of advanced technologies in **Automotive System** and thus beneficial for the students in career opportunities in private and public sectors as well as in academia.

Core Course
Vehicle Dynamics
Automotive Power Transmission system
Automotive Electronics and Vehicular Communication
Automotive Design and Development
Vehicle Maintenance and safety
Artificial Intelligence in Vehicle
Electric Vehicle

Programme Highlights
Understand of Automotive Sensors and Actuators
Construction and working principle of various Motors used in Electric Vehicles
Explain about the Power Transmission Systems
Understand the Electronic Components and its Controls
Understand of On Board Diagnostics (OBD) of Vehicle system
Understand of Active and Passive Safety of Vehicle
Explain ADAS (Advanced Driver Assistance System)
Understand the Engine Calibration and Electronic Control Unit (ECU) processes
Understand of Vehicle Communication System such as CAN protocol
Explain about Autonomous Vehicle System

CAREER OPPURTUNITIES	
College and University	Software Development Company
TATA Motors	Tesla India
ARAI	Mahindra and Mahindra
ICAT	Ashokleyland
TCS	Maruti Suzuki

Eligibility: B.Tech/B.E in Mechanical, Mechatronics, Electronics and Computer Science Engineering.