Department of Mechanical Engineering

College of Engineering Pune

M.Tech. (Automotive Technology):

Program Educational Objectives

1. **Pursue a successful career in automotive and Ancillary industries that meet the needs of Indian and multinational companies.**
2. **Synthesize the data and apply the technical concepts in the automotive applications.**
3. **Innovative and provide solutions by carrying out research.**
4. **Formulate, solve and analyze engineering problems using mathematical, scientific and engineering principles.**
5. **Will show professional and ethical attitude and maintain a lifelong learning attitude.**

Department of Mechanical Engineering
College of Engineering Pune

Vision and Mission of the Department

Vision	**To educate the students in the recent developments of emerging fields in Mechanical Engineering, encourage research and development and equip them to excel globally.**
Mission	**1. To offer state-of-the-art undergraduate, postgraduate and doctoral programmes.** **2. To develop employable and skilled graduates to accept the global and social challenges, while imparting quality education at post graduate and research level.**

Department of Mechanical Engineering

College of Engineering Pune

PG Program –M.Tech. (Automotive Technology)

Program outcomes:

1. **An ability to independently carry out research /investigation and development work to solve practical problems.**
2. **An ability to write and present a substantial Technical report/document.**
3. **Students should be able to demonstrate a degree of mastery over the area as per the Specialization of the program.**
4. **Students will be able to apply their knowledge of mathematics, science and automotive technology to the solution of complex problems in Automotive engineering.**
5. **Students will be able to design the complex automotive system, components, processes that meet the specified needs, with appropriate consideration for public health and safety along with social, cultural and environment considerations.**
6. **Students will be able to create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex automotive engineering activities with understanding of the limitations..**