



DEPARTMENT OF AUTOMOBILE ENGINEERING

VISION

“To develop technically skilled engineers with value-based education in the automotive industry to face upcoming chances“.

MISSION

- *Understanding the need for regional automotive industries.*
- *Provide hands on skills for lifelong professional development.*
- *To create responsible students with a sense of ethics & discipline.*

Subject Name: Fundamentals of Automobile Engines (313312)

Assignment No :- 1

Course Outcome: 302.1

Topic Name :- Basics of Automobile Engines

- 1. Classification of I.C. Engines*
- 2. Define Bore, Stroke, T.D.C. & B.D.C. with diagram*
- 3. Explain Scavenging with its types*
- 4. Draw actual valve timing diagram of 4 stroke petrol and diesel engine*
- 5. Draw P.V. diagram of Otto cycle, Diesel cycle & Dual cycle*

Assign By :- Mr. Vishal Sagvekar



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- 1. Draw a neat sketch of the crankshaft for the 4 cylinder engine and label it.*
 - 2. Name the materials for cylinder block, camshaft, piston and crankshaft*
 - 3. Explain the functions of piston rings.*
 - 4. What is Dry liner and Wet liner*
 - 5. Draw labeled diagram of piston.*
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Assign By :- Mr. Vishal Sagvekar