

MECHANICAL ENGINEERING DEPARTMENT

Course Content (Semester Pattern):

The structure of the course is as per the schedule of examination designed by the Maharashtra State Board of Technical Education

I Semester (I Scheme)

1. English (22101)
2. Basic Science (22102)
3. Basic Mathematics (22103)
4. Fundamentals of ICT (22001)
5. Engineering Graphics(22002)
6. Workshop Practice (22004)

II Semester (I Scheme)

1. Applied Science (22202)
2. Applied Mechanics (22203)
3. Applied Mathematics (22206)
4. Engineering Drawing (22207)
5. Business Communication Using Computers (22209)
6. Mechanical Engineering Workshop (22010)

III Semester (I Scheme)

1. Strength of Material (22306)
2. Basic Electrical & Electronics Engineering (22310)
3. Thermal Engineering (22337)
4. Mechanical Working Drawing (22341)
5. Engineering Metrology (22342)
6. Mechanical Engineering Materials (22343)

IV Semester (I Scheme)

1. Theory of Machines - (22438)
2. Mechanical Engineering Measurements - (22443)
3. Fluid mechanics and Machinery - (22445)
4. Manufacturing processes - (22446)
5. Environmental studies - (22447)
6. Computer aided drafting - (22042)
7. Fundamentals of Mechatronics - (22048)

V Semester (I Scheme)

1. Management - (22509)
2. Power Engineering and Refrigeration - (22562)
3. Advance Manufacturing process - (22563)
4. Elements of machine Design - (22564)
5. Tool Engineering - (22565)
6. Capstone project planning - (22050)
7. Solid modelling and additive Manufacturing - (22053)

VI Semester (I Scheme)

1. Emerging trends in Mechanical Engineering - (22652)
2. Industrial Hydraulics and Pneumatics - (22655)
3. Automobile Engineering - (22656)
4. Industrial Engineering and Quality control - (22657)
5. Refrigeration and Air Conditioning - (22660)
6. Entrepreneurship Development - (22032)
7. Capstone project Execution and Report writing - (22060)