

## Mechanical Course Details

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Department : Mechanical Engineering

Intake:Regular First Shift: 120 || Direct Second Year: 60 Duration: 4 Years

Subjects included in each year:

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### Second year:

#### Sem-I

1. Engineering Mathematics – III
2. Manufacturing Process-I
3. Computer Aided Machine Drawing
4. Thermodynamics
5. Material Science
6. Fluid Mechanics
7. Workshop Practice
8. Soft Skills

#### Sem-II

1. Theory of Machines-I
  2. Engineering Metallurgy
  3. Applied Thermodynamics
  4. Strength of Materials
  5. Electronics and Electrical Engineering
  6. Machine Shop-I
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### Third year:

#### Sem-I

1. Design of Machine Elements – I
2. Heat Transfer
3. Theory of Machines-II
4. Metrology and Quality Control
5. Hydraulics and Pneumatics
6. Skill Development

#### Sem-II

1. Numerical Methods and Optimization
  2. Design of Machine Elements -II
  3. Turbo Machines
  4. Mechatronics
  5. Manufacturing Process-II
  6. Machine Shop -II
  7. Seminar
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### BE:

#### Sem-I

1. CAD/CAM Automation
2. Dynamics of Machinery
3. Industrial Fluid Power
4. Elective I
5. Elective II
6. Project Work

#### Sem-II

1. Project Work
2. Power Plant Engineering
3. Mechanical System Design
4. Elective III
5. Elective IV