

Semester 1

- Aspects of Indian History for Engineers [Human Social Sciences & Management Courses]
Course Code : HIST138
- Economics for Engineers [Human Social Sciences & Management Courses]
Course Code : ECON132
- Basic Electrical Engineering [Engineering Sciences Courses]
Course Code : ES103
- Engineering Graphics Lab [Engineering Sciences Courses]
Course Code : ES104
- Introduction to Environmental Studies [Engineering Sciences Courses]
Course Code : EVS104
- Applied Mathematics- I [Basic Sciences Courses]
Course Code : MATH114
- Engineering Chemistry [Basic Sciences Courses]
Course Code : CHEM136

Semester 2

- Engineering Mechanics [Engineering Sciences Courses]
Course Code : ES101
- Introduction to Computers and Programming in C [Engineering Sciences Courses]
Course Code : ES202
- Workshop Practices [Engineering Sciences Courses]
Course Code : ES107
- Applied Mathematics - II [Basic Sciences Courses]
Course Code : MATH122
- Engineering Physics [Basic Sciences Courses]
Course Code : PHYS132
- Technical Communication – II [Communication Skills]
Course Code : BC106
- Foreign Business Language
Course Code :
- Open Elective Courses
Course Code :
- Outdoor Activity Based Courses
Course Code :

- Technical Communication – I [Communication Skills]
Course Code : BC105
- Foreign Business Language
Course Code :
- Open Elective Courses
Course Code :
- Outdoor Activity Based Courses
Course Code :

Semester 3

- Term Paper [Supervised Independent Learning/ Non-Teaching Credit Courses]
Course Code : ETP100
- Foreign Business Language
Course Code :
- Open Elective Courses
Course Code :
- Outdoor Activity Based Courses
Course Code :

Semester 4

- Machine Learning: Theory and Applications [Industry Specific Courses]
Course Code : AIML202
- Smart Manufacturing Engineering [Industry Specific Courses]
Course Code : POC204
- Software for Mechanical Engineering [Industry Specific Courses]
Course Code : MAE219
- Self-Reliance and Socialization [Human Social Sciences & Management Courses]
Course Code : BS207
- Modeling and Simulation of System [Engineering Sciences Courses]
Course Code : ES206
- Engineering Fluid Mechanics [Core Courses]
Course Code : MAE217
- Fundamentals of Industrial Engineering [Core Courses]
Course Code : POC206

- Manufacturing Technology-I
[Core Courses]

Course Code : POE205

- Theory of Machine -I [Core
Courses]

Course Code : MAE218

- Applied Mathematics-IV [Basic
Sciences Courses]

Course Code : MATH242

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 5

- In-House Practical Training [Supervised Independent Learning/ Non-Teaching Credit Courses]
Course Code : ETP1100
- Advance Materials for defence Applications [Specialisation Elective Courses]
Course Code : POE311
- Aptitude and Reasoning Ability [Specialisation Elective Courses]
Course Code : SKE301
- Experimental methods for Engineers [Specialisation Elective Courses]
Course Code : MAE316
- Products Design [Specialisation Elective Courses]
Course Code : POE306
- Renewable Energy Source [Specialisation Elective Courses]
Course Code : MAE324
- Piping Design [Industry Specific Courses]

Semester 6

- Fundamentals of Mechanical Vibrations [Specialisation Elective Courses]
Course Code : MAE317
- Introduction to Electrical Vehicle [Specialisation Elective Courses]
Course Code : MAE347
- Introduction to Robotics [Specialisation Elective Courses]
Course Code : MAE323
- Introduction to Unmanned Aerial Vehicle [Specialisation Elective Courses]
Course Code : MAE346
- Refrigeration and Air Conditioning [Specialisation Elective Courses]
Course Code : MAE305
- Unconventional Manufacturing Techniques [Specialisation Elective Courses]
Course Code : POE303
- Digital Manufacturing and Design [Industry Specific Courses]

- Fundamentals of Heat and Mass Transfer [Core Courses]

Course Code : MAE314

- Machine Design- I [Core Courses]

Course Code : MAE301

- Manufacturing Technology-II [Core Courses]

Course Code : POE310

- Theory of Machine -II [Core Courses]

Course Code : MAE326

- Cognitive Skills, Leadership and Decision Making [Behavioural Science]

Course Code : BS309

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

- Industrial Welding and Surface Engineering [Industry Specific Courses]

Course Code : POE309

- Machine Learning: Theory and Applications [Industry Specific Courses]

Course Code : AIML202

- Employability Skill for Mechanical Engineers [Employability & Skill Enhancement Courses]

Course Code : SKE311

- Internal Combustion Engines [Core Courses]

Course Code : MAE313

- Machine Design- II [Core Courses]

Course Code : MAE302

- Operations Research [Core Courses]

Course Code : POE301

- Thermal and Fluid Machinery [Core Courses]

Course Code : MAE318

- Professional Ethics and Social Responsibility [Professional

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 7

- Industry Internship [Supervised Independent Learning/ Non-Teaching Credit Courses]

Course Code : ETII100

- Minor Project [Mandatory Courses]

Course Code : ETMN100

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 8

- Major Project [Supervised Independent Learning/ Non-Teaching Credit Courses]

Course Code : ETMJ100

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :