

| Sr. No. | Subject Name | Credit |
|----------------|---|---------------|
| SEM 1 | Basic Mathematics | 5 |
| | English | 4 |
| | Basic/ Engineering Physics | 4 |
| | Subject from IE-1 | 3 |
| | Engineering Workshop | 3 |
| | Fundamentals of Mechanical Engineering | 4 |
| SEM 2 | Environment Conservation & Hazard Management | 3 |
| | Advance Mathematics | 5 |
| | Subject from IE-2 | 3 |
| | Basic Engineering Drawing | 4 |
| | Material Science & Metallurgy | 4 |
| | Computer Application & Graphics | 3 |
| SEM 3 | Manufacturing Engineering - I | 5 |
| | Thermodynamics | 3 |
| | Fluid Mechanics & Hydraulic Machines | 5 |
| | Strength of Material | 4 |
| | Applied Electrical & Electronic Engg. | 4 |
| | Subject from School of IE | 3 |
| SEM 4 | Manufacturing Engineering - II | 5 |
| | Thermal Engineering - I | 4 |
| | Computer Aided Machine Drawing | 2 |
| | Theory of Machine | 4 |
| | Design of Machine Elements | 4 |
| | Subject from School of IE | 3 |
| SEM 5 | Manufacturing Engineering - III | 5 |
| | Thermal Engineering - II | 4 |
| | Computer Aided Design | 3 |
| | Metrology & Instruments | 5 |
| | Plant Maintenance & Safety | 4 |
| | Subject from School of IE | 3 |
| SEM 6 | Computer Aided Manufacturing | 4 |
| | Tool Engineering | 4 |
| | Elective - I (FIRST SUBJECT FROM ANY ONE GROUP) | 4 |

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| | <p>Group - I Manufacturing Engineering Elec. - I Manufacturing Systems Elec. - II Fabrication Technology Group - II Thermal Engineering Elec. - I Power Plant Engineering Elec. - II Thermal Systems & Energy Efficiency Group - III Fluid Engineering Elec. - I Hydraulic System Elec. - II Pnuematic System</p> | |
| SEM 6 | <p>Elective - II (SECOND SUBJECT FROM SAME GROUP) Group - I Manufacturing Engineering Elec. - I Manufacturing Systems Elec. - II Fabrication Technology Group - II Thermal Engineering Elec. - I Power Plant Engineering Elec. - II Thermal Systems & Energy Efficiency Group - III Fluid Engineering Elec. - I Hydraulic System Elec. - II Pnuematic System</p> | 4 |
| SEM 6 | Technical Seminar | 3 |
| SEM 6 | Subject from School of IE | 3 |