**B.Tech in MECHANICAL ENGINEERING**

**II YEAR I SEMESTER**

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| **S. No.** | **Course**  **Code** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1. | A223009 | Probability &Statistics | 3 | 1 | 0 | 4 |
| 2. | A223306 | Mechanics of Solids | 3 | 0 | 0 | 3 |
| 3. | A223307 | Metallurgy & Material Science | 3 | 0 | 0 | 3 |
| 4. | A223308 | Production Technology | 3 | 0 | 0 | 3 |
| 5. | A223309 | Thermodynamics | 3 | 1 | 0 | 4 |
| 6. | A223383 | Production Technology Laboratory | 0 | 0 | 2 | 1 |
| 7. | A223384 | Material Science & Mechanics of Solids Laboratory | 0 | 0 | 2 | 1 |
| 8. | A223385 | Computer Aided Machine Drawing | 0 | 0 | 2 | 1 |
| 9. | A223012 | Professional Communications | 2 | 0 | 0 | 0 |
| **Total Credits** | | | **17** | **2** | **6** | **20** |

**II YEAR II SEMESTER**

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| **S. No.** | **Course**  **Code** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1. | A224310 | Basic Electrical and Engineering | 3 | 0 | 0 | 3 |
| 2. | A224311 | Kinematics of Machinery | 3 | 0 | 0 | 3 |
| 3. | A224312 | Fluid Mechanics & Hydraulic Machines | 3 | 0 | 0 | 3 |
| 4. | A224313 | IC Engines & Gas Turbines | 3 | 0 | 0 | 3 |
| 5. | A224314 | Instrumentation and Control Systems | 3 | 0 | 0 | 3 |
| 6. | A224287 | Basic Electrical EngineeringLaboratory | 0 | 0 | 2 | 1 |
| 7. | A224386 | Fluid Mechanics & Hydraulic Machines Laboratory | 0 | 0 | 2 | 1 |
| 8. | A224387 | Instrumentation Laboratory | 0 | 0 | 2 | 1 |
| 9. | A224315 | Real-time Research Project/ Field-Based Project | 0 | 0 | 4 | 2 |
| 10. | A224013 | Quantitative Methods & Logical Reasoning | 2 | 0 | 0 | 0 |
| **Total Credits** | | | **17** | **0** | **10** | **20** |