

**Birla Institute of Technology & Science Pilani, Rajasthan**

**M.E. Design Engineering**

Semester wise pattern for students admitted to Higher Degree program –  
M.E. Design Engineering

| Year | First Semester  | Second Semester  |
|------|---|--|
| I    | <b>Materials Testing and Technology</b><br><b>Mechanism and Robotics</b><br><b>Finite Element Methods</b><br>Elective | Research Practice<br><b>Computer Aided Analysis and Design</b><br>Elective<br>Elective |
| II   | Product Design<br>Dynamics and Vibration<br>Elective<br>Elective  | Dissertation<br>Or<br>Practice School  |

**Elective Courses Offered :**

Tribology, Fracture Mechanics, Design Projects, Introduction to MEMS, Advanced Engineering Mathematics, Computational Fluid Dynamics, Mechanical System Design, Machine Tool Engineering, Theory of elasticity and plasticity, Mechatronics, Concurrent Engineering, Nondestructive Testing Techniques, Advanced Composites, Experimental Stress Analysis Techniques.