

## **M.Tech - Structures and Design**

### **Program Educational Objectives (PEO)**

1. To provide fundamental theoretical knowledge in the specialised areas related to Structural Engineering.
2. To develop skills in understanding and applying advanced Computational Structures technology applicable to static and dynamic analyses of structures.
3. To impart skills in the Design, Analysis and Testing practices of Mechanical / Aerospace Structures.
4. To promote academic learning and research activities in the modern structural engineering and materials.

### **Program Outcomes (PO)**

1. An ability to independently carry out research /investigation and development work to solve practical problems.
2. An ability to write and present a substantial technical report/document.
3. Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program.
4. Capability to Innovate, design and analyze components related to structural engineering, and aerospace engineering.
5. Ability to perform multidisciplinary analysis involving Structural engineering for aerospace applications.
6. Ability to perform experimental, numerical simulations and theoretical study for modeling of aerospace structural systems.
7. Guidance to upkeep professional ethics in all scientific and engineering practices.