

## **M .Tech – Machine Design**

### **Semester I**

|   |                                    |
|---|------------------------------------|
| 1 | Advanced Solid Mechanics           |
| 2 | Advanced Vibrations                |
| 3 | Numerical Methods                  |
| 4 | Computer Aided Graphics and Design |
| 5 | CAD Lab                            |

### **Semester II**

|   |                                      |
|---|--------------------------------------|
| 1 | Finite Element Analysis              |
| 2 | Rotor Dynamics                       |
| 3 | Experimental Modal Analysis          |
| 4 | Advanced Mechanisms and Manipulators |
| 5 | FEA lab                              |

### **Semester III**

|   |                |
|---|----------------|
| 1 | Elective I     |
| 2 | Elective II    |
| 3 | Seminar        |
| 4 | Dissertation-I |

### **Semester IV**

|   |                   |
|---|-------------------|
| 1 | Dissertation – II |
|---|-------------------|