

**Name of the laboratory: Strength of materials**

**Objectives of the lab:** Structural Analysis experiments help to understand, to know the practical behavior of the physical structures like beams, different arches, roof truss etc. A proper structural analysis of these structures helps the students to solve the practical problems. Different structural apparatus like Two-Hinge Arch, Three- Hinge Arch, Simply Supported Beam, Curved Member of Different shape, Pin Joint Truss are available in the laboratory

**List of the equipment:**

1. Universal testing machine
2. Torsion testing machine
3. Impact testing machine
4. Brinell hardness testing machine
5. Rockwell hardness testing machine

**List of experiments:**

1. SPRING TEST
2. SIMPLY SUPPORTED BEAM
3. IMPACT TEST – CHARPY
4. IMPACT TEST
5. TORSION TEST
6. BRINNEL HARDNESS
7. ROCKWELL HARDNESS TEST
8. TO STUDY THE UNIVERSAL TESTING MACHINE(U.T.M)

