

# Department of Mechanical Engineering

## Strength of material Laboratory

### ❖ Objective :-

- Students have to gain knowledge of different types of stresses, strain & deformation induced in the mechanical components due to external loads with all the demonstration done in the laboratory.



### ❖ List of experiments:

- Tension test on steel bar
- Torsion test on Mild steel / cast iron bar
- Brinell hardness test
- Rockwell hardness test
- Izod / Charpy Impact test
- Flexural test on beam

❖ **List of Equipment:**

- Universal testing machine
- Tile flexure test attachment
- Small shear test assembly 5-20
- Impact testing machine
- Torsion testing machine
- Hardness tester machine