

STRENGTH OF MATERIALS LABORATORY



Laboratory : Strength of Materials laboratory
Laboratory In-charge : Dr.M.Loganathan
Technical supporting staff : Mr.K.Selvaraju
Area of the laboratory : 9.1 * 12.5 Sq.M

Major Equipments:

- Rockwell cum Brinell Hardness testing Machine
- Spring testing Machine
- Fatigue testing Machine
- Impact testing Machine
- Universal Wood Testing Machine
- Torsion testing Machine
- FIE Electronic Universal Testing Machine
- Strain Measurement system using Rosette Strain
- Compression moulding Machine
- Vickers Hardness Testing Machine

Major Experiments:

- Tension test on a mild steel rod, Aluminum & Cast Iron
- Double shear test on Mild steel and Aluminum rods
- Torsion test on mild steel rod
- Impact tests on metal specimen
- Hardness test on metals - Brinnell and Rockwell Hardness Number
- Deflection test on beams (Aluminium, Steel, Wood)
- Compression test on helical springs