## MECHANICS OF SOLIDS LABORATORY

Mechanics of solids or strength of materials is the study of deformation and behavior of a body due to mechanical, thermal, or other loads. The basis of all mechanical design lies in how the material reacts to outside forces. Hence, an in-depth understanding of material properties as well as how materials react to outside stimulus is important to a mechanical engineer. In this laboratory, students the student will perform tests on materials in tension, torsion, bending, and buckling.

The facilities available in the laboratory

- Compression testing machine
- Rockwell hardness tester
- Universal Testing machine (UTM)
- Spring testing machine
- Impact test machine
- Simply supported beam
- Cantilever beam.

S.No	Name of major equipments	Photo/Image
1.	Compression testing machine	

S.No	Name of major equipments	Photo/Image
2.	Universal Testing Machine (UTM)	

S.No	Name of major equipments	Photo/Image
3.	Torsion test machine	

S.No	Name of major equipments	Photo/Image
4.	Rockwell hardness tester	

S.No	Name of major equipments	Photo/Image
5.	Spring testing machine	

S.No	Name of major equipments	Photo/Image
6.	Impact test machine	

S.No	Name of major equipments	Photo/Image
7.	equipments	

S.No	Name of major equipments	Photo/Image
8.	Vickers hardness tester	

S.No	Name of major equipments	Photo/Image
9.	Cantilever Beam	

S.No	Name of major equipments	Photo/Image
10.	Simple supported beam	