INSTITUTE OF MANAGEMENT & TECHNOLOGY

INNOVATION • MOTIVATION • TRANSFORMATION

MATERIAL TESTING LAB (BCEP-506)

Course Outcomes:

1. Reproduce the basic knowledge of mathematics and engineering in finding the strength in tension, compression, shear and torsion
2. Dentify, formulate and solve engineering problems of structural elements subjected to flexure
3. Evaluate the impact of engineering solutions on the society and also will be aware of contemporary issues regarding failure of structures due to unsuitable materials.

List of Experiments:

1. To determine the normal consistency of cement.
2. To determine the initial and final setting time of cement
3. To determine compressive strength of cement
4. To determine the soundness of cement.
5. To determine the fineness modulus of fine aggregate & course aggregate.
6. Mix design of concrete by IS code Method.
7. Slump test for determining workability of concrete.
8. Compressing strength of concrete cube.
9. To determine the flexure strength of concrete.

Department of Civil Engineering