

## MATERIAL TESTING LABORATORY

(Elective - 2)

	<b>II Semester</b>		
Course Code: 19CE2166	L	P	C
	0	3	1.5

### Course Outcomes:

At the end of the course, the student will be able to:

- CO1 Estimate compressive strength of soil.
- CO2 Inspect the properties of rocks
- CO3 Assess the optimum binder content of bitumen specimen.
- CO4 Assess shape properties of aggregate.
- CO5 Estimate the hardness of coarse aggregate.

### LIST OF EXPERIMENTS:

1. CBR Test
2. Triaxial Compression Test (UU Test)
3. Triaxial Compression Test (CU Test)
4. Brazilian Test on Rock Samples
5. Point Load Test on Rock Samples
6. Marshall Stability Test- Sample Preparation
7. Marshall Stability Test- Load Application
8. Elongation Test/ Flakiness Test
9. Los Angeles Abrasion test
10. Angularity Test

### References:

1. Khanna, Justo, Veeraghavan,A, " Highway Materials and Pavement Testing", 3rd Edition, Nem Chand & Brothers, 2012.