

**II Year I Semester**  
**Code: 17CE312**

**L T P C**  
**0 0 3 2**

## **SURVEYING FIELD WORK- II**

**Course Outcomes: After completion of the course, the student can able to**

1. Use the Theodolite for measuring horizontal & vertical angles
2. Use the Theodolite for finding the inaccessible distance between two points, heights of buildings
3. Do curve setting
4. Gain knowledge regarding plotting of contours
5. Use the total station instrument for measuring area

### **List of Experiments:**

1. Theodolite Survey: Determining the Horizontal and Vertical Angles by the method of repetition method.
2. Theodolite Survey: Finding the distance between two inaccessible points.
3. Theodolite Survey: Finding the height of far object.
4. Tacheometric survey: Heights and distance problems using tacheometric principles.
5. One Exercise on Curve setting.
6. One Exercise on contours.
7. Total Station: Introduction to total station and practicing setting up, leveling up and elimination of parallax error.
8. Total Station: Determination of area using total station.
9. Total Station : Determination of Remote height
10. Total Station : distance between two inaccessible points
11. Total Station : Traversing
12. Total Station : Contouring

Note: Any 10 field work assignments must be completed.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
<b>CO1</b>	2	-	-	2	1	1	-	-	-	-	-	1	1	3	2
<b>CO2</b>	2	-	-	2	1	1	-	-	-	-	-	1	1	3	2
<b>CO3</b>	2	-	-	2	1	1	-	-	-	-	-	1	1	3	2
<b>CO4</b>	2	-	-	2	3	2	-	-	-	-	-	1	1	3	2
<b>CO5</b>	2	-	-	2	3	2	-	-	-	-	-	1	1	3	2
<b>CO6</b>	2	-	-	2	1	1	-	-	-	-	-	1	1	3	2