**Course No.** | **Course Name** | **L-T-P - Credits** | **Year of Introduction**
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CE233 | SURVEYING LAB | 0-0-3-1 | 2016

**Prerequisite:** Nil

**Course Objectives:**
1. To equip the students to undertake survey using tacheometer
2. To equip the students to undertake survey using total station
3. To impart awareness on distomat and handheld GPS

**List of Exercises/Experiments:** (10 to 12 exercises are mandatory)
1. Introduction to conventional surveying
2. Levelling (dumpy level)
3. Theodolite surveying (Theodolite)
4. Total Station survey (Total Station)
   a. Heights and Distance
   b. Area computation
   c. Downloading
5. Study of instruments –Automatic level, digital level, Handheld GPS
6. Test

**Expected outcome:**
Ability to undertake survey using level and theodolite and total station

**Internal Continuous Evaluation** - 100 marks
- Record/output (Average) - 60 marks
- Viva-voce (Average) - 10 marks
- Final practical examination – 30 marks