

Course Number and Name													
BCE3L1 - SURVEYING PRACTICAL – I													
Credits and Contact Hours													
2 & 45													
Course Coordinator's Name													
Ms.A.Ambica													
Course Description													
<ul style="list-style-type: none"> To understand and possess the knowledge about field techniques in Surveying 													
Prerequisites						Co-requisites							
NIL						Survey I							
required, elective, or selected elective (as per Table 5-1)													
Course Outcomes (COs)													
CO1	To know how to do chain surveying, ranging and its importance												
CO2	Study about types of compass, local attractions and its errors												
CO3	To study plane table surveying and its various methods of finding inaccessible points												
CO4	To study about leveling and its types, LS and CS sections of alignment												
Student Outcomes (SOs) from Criterion 3 covered by this Course													
	COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
	CO1	M	H	M									
	CO2	M	H	M									
	CO3	M	H	M									
	CO4	M	H	M									
List of Topics Covered													
LIST OF EXPERIMENTS													
1. a) Simple chain survey - problems involving instruments such as optical and prism Square - cross staff. b) Overcoming obstacles in chaining and ranging. 2. a) Measurement of bearing of survey lines by prismatic compass. b) Running closed and open compass traverse. c) Plotting and Adjustments of traverse. 3. a) Plane table survey of building or a park or a road by different methods. b) Field solution of two and three point problems. 4. Problems in leveling.													