

Course Number and Name												
BCE5L1 - CONSTRUCTION ENGINEERING LABORATORY												
Credits and Contact Hours												
2 & 45												
Course Coordinator's Name												
Ms.M.Hemapriya												
Course Objective												
<ul style="list-style-type: none"> To learn the principles and procedures of testing Concrete and Highway materials and to get hands on experience by conducting the tests and evolving inferences. To know about the fresh mixed concrete and experience by mixing a freshly mixed concrete. 												
Prerequisites						Co-requisites						
Basic Civil and Mechanical Engineering Practices Laboratory						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	Have a fundamental knowledge of the basic test to be performed on the material used in the construction site											
CO2	Testing the aggregate material which is used in the laying pavement											
CO3	Designing the mix of the concrete for various structures in construction.											
CO4	To know about the freshly mixed concrete and check their workability by slump, consistency and compaction.											
CO5	To know the ability of the bitumen and their properties for laying pavements.											
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	H				M	M						
CO2					M							
CO3		M	M									
CO4	H			L	M							
CO5						M						