

Course Number and Name												
BCE083 - SOIL DYNAMICS & MACHINE FOUNDATION												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.P.Dayakar												
Course Objective												
<ul style="list-style-type: none"> To understand the soil properties and suitable remedial measures to improve their behavior. To familiarize students with the dynamic properties of soil. To create an understanding about the importance of designing machine foundation for reciprocating and impact machines. 												
Prerequisites						Co-requisites						
Soil Mechanics						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To understand the Vibration of elementary systems											
CO2	To improve the engineering properties and application in soil dynamics.											
CO3	The engineering dynamic properties of soil Field & Laboratory methods.											
CO4	To develop specific design Impact type machine and Rotary type machines											
CO5	To study the principles of vibration neutralizer											
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	H	M		H					
CO2	M	L	H	M	M		M					
CO3	M	M	L	H	M		M					
CO4	M	H	M	H	M		M					
CO5	M	M	M	H	M		M					