

Course Number and Name												
<b>BCE3L2 - STRENGTH OF MATERIALS LAB</b>												
Credits and Contact Hours												
<b>2 &amp; 45</b>												
Course Coordinator's Name												
Ms.A.Arunya												
Course Objective												
<ul style="list-style-type: none"> <li>To expose the students to the testing of different materials under the action of various forces and determination of their characteristics experimentally.</li> </ul>												
Prerequisites						Co-requisites						
Engineering Mechanics						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To study the failure due to tensile force subjected to a material											
CO2	To study the failure due to shear force subjected to a material											
CO3	To study hardness properties of materials and its types											
CO4	To study impact intensity of materials and its properties											
CO5	To study ductility properties of materials											
CO6	To study fatigue properties of materials											
CO7	To study the deflections in springs											
CO8	To study the behavior of different types of columns											
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							
CO5	M	H			M							
CO6	M	H			M							
CO7	M	H			M							
CO8	M	H			M							