

Course Number and Name												
BCE404 - BASIC STRUCTURAL DESIGN												
Credits and Contact Hours												
4 & 60												
Course Coordinator's Name												
Ms.T.Aarthiharini												
Course Objective												
<ul style="list-style-type: none"> To introduce the students to limit state design of structural steel members subjected to compressive, tensile and bending loads, including connections. Design of structural systems such as roof trusses, purlins as per provisions of current code (IS 800 - 2007) of practice 												
Prerequisites						Co-requisites						
Basic Mechanical Engineering						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To study about different materials used in masonry											
CO2	To analyse the steel structures.											
CO3	To design of trusses and their members.											
CO4	To carry out the analysis of simple beams											
CO5	To study about different loading conditions on trusses											
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	L		H	M								
CO2	L		H	M								
CO3	L		H	M								
CO4	L		H	M								
CO5	L		H	M								