

Course Number and Name												
BCE702 - COMPUTER AIDED DESIGN OF STRUCTURES												
Credits and Contact Hours												
4 & 60												
Course Coordinator's Name												
Mr.K.Sathishkumar												
Course Objective												
<ul style="list-style-type: none"> To introduce the students about computer graphics, structural analysis, design and optimization and expert systems, applications in analysis. 												
Prerequisites						Co-requisites						
Computer Aided Building Drawing						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	Prepare wire frame modeling and solid modeling using drafting packages											
CO2	Perform structural analysis using computer packages											
CO3	Prepare algorithms for the analysis and design of steel and RC structures											
CO4	Analysis simple structures using expert systems											
CO5	Analysis and design of structures by using STADD.PRO, STRAP											
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		H	H	H							
CO2			H	H	H							
CO3			H	H						M		
CO4			H	H	H		L					
CO5			H	H	H							