Course Number and Name											
BCE069 - MATRIX METHODS AND STRUCTURAL ANALYSIS											
Credits and Contact Hours											
3 & 45											
Course Coordinator's Name											
Mr.K.Sathishkumar											
Course Objective											
• To introduce the students to advanced methods of analysis like matrix methods, structural analysis stiffness method, Flexibility method and also analysis of space structures											
Prerequisites					Co-requisites						
Structural analysis-II					NIL						
required, elective, or selected elective (as per Table 5-1)											
Course Outcomes (COs)											
CO1	Apply the basic concepts of matrix methods in structural Analysis										
CO2	Find out the deflections in beams and trusses using various methods										
CO3	Analyze the structures using flexibility and stiffness method										
CO4	Determine member forces using element and system matrices for determinate and indeterminate structures										
CO5	Determine the forces in various members due to lack of fit and thermal expansion.										
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		M	H	H						
CO2	M		M	H							
CO3	M		M	H							
CO4	M		M	H							
CO5	M		M	H							