Course Number and Name
BCE077 - FINITE ELEMENT ANALYSIS
Credits and Contact Hours
3 & 45
Course Coordinator's Name
Dr.S.J.Mohan
Course Objective
• To study the energy principles, finite element concept, stress analysis, meshing, linear problems and applications

Prerequisites	Co-requisites
Structural Analysis – II	NIL

required, elective, or selected elective (as per Table 5-1)

Course Outcomes (COs)	
CO1	To learn concepts of piecewise Approximation and Finite Elements
CO2	To know about two dimensional problems in stress analysis.
CO3	Tounderstand the meshing and solution problems
CO4	To know about thenonlinear and vibration problems
CO5	To understand the Application to Thermal Analysis Problems.

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						
CO2	H			H	H						
CO3	H			H	H	M					
CO4	H			H	H						
CO5	H			H	H						