

Course Number and Name													
BME602 – FINITE ELEMENT ANALYSIS													
Course Objective													
To introduce the concepts of Mathematical Modeling of Engineering Problems.													
To appreciate the use of FEM to a range of Engineering Problems													
Prerequisites							Co-requisites						
Numerical Methods							Nil						
Course Outcomes (COs)													
CO1		Upon completion of this course, the students can able to understand different mathematical Techniques used in FEM analysis and											
CO2		Understand the concepts of Nodes and elements											
CO3		Understand use of FEA in Structural and thermal problem											
CO4		Understand the application of FEA in heat transfer problem											
CO5		Learn how to do analysis learn the various concepts and types of analysis											
CO6		Learn finite element modeling techniques.											
Student Outcomes (SOs) from Criterion 3 covered by this Course													
	COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
	CO1	H	M					M			M		
	CO2	H							L		M		
	CO3	H							L		M		L
	CO4											L	
	CO5							M					
	CO6					M							L