

<b>Course Number and Name</b>												
BEE304 & Electromagnetic Theory												
<b>Credits and Contact Hours</b>												
3 & 45												
<b>Course Coordinator's Name</b>												
Mr.K.S.S.Prasad												
<b>Course Description</b>												
The purpose of this course is to enable the students to have a sound knowledge about the theory and problems in Electromagnetic Fields.												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Basic Electrical & Electronics Engineering						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1: Apply vector calculus to understand the behavior of static electric fields in standard configurations.												
CO2: To lay the foundations of electromagnetism and to understand the concepts of Electrostatics and their applications.												
CO3: To understand the concepts of Magneto statics and their applications.												
CO4: Apply the concepts of induction to evaluate inductance and applications.												
CO5: To understand the concept of Electromagnetic Fields, waves and wave propagation.												
<b>Student Outcomes (SOs) from Criterion 3 covered by this Course</b>												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	M							M			M
CO2	H	H							M			M
CO3	H	H							M			M
CO4	H	H							M			M
CO5	H	H							M			M