

<b>Course Number and Name</b>												
BEE052 & Electrical Machine Modeling and Analysis												
<b>Credits and Contact Hours</b>												
3 & 45												
<b>Course Coordinator's Name</b>												
Mrs.Anithasampath Kumar												
<b>Course Description</b>												
To master the various fundamentals, machine design, machine modeling of various types of electrical machines. This will help you to gain knowledge and to do research in the area of electrical machine modeling.												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Electrical Machines Design						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1: To learn about the basic concepts of AC/ DC machine modeling.												
CO2: To study about the dynamic modeling and phase transformation												
CO3: To analyze various methodologies in small signal machine modeling.												
CO4: To understand the modeling of synchronous machine modeling.												
CO5: To learn the performance and dynamic modeling of synchronous machines												
<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	M	M	L	M	M	L	M
CO2		H		M	H	M	M	L	M	M	L	M
CO3	H	H							M	M		
CO4	H		M			H	M			M		H
CO5	H	H	M	H	H	H	M	M	M	M	L	M
CO6		H	M	M	M	M	M	L	M	M	L	M