

<b>Course Number and Name</b>												
BEE504 & Electrical Machine Design												
<b>Credits and Contact Hours</b>												
4 & 60												
<b>Course Coordinator's Name</b>												
Mrs.Anitha Sampathkumar												
<b>Course Objectives</b>												
To provide sound knowledge about constructional details and design of various electrical machines.												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Electrical Machines-I & II						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1: To study MMF calculation and thermal rating of various types of electrical machines. CO2: To design armature and field systems for D.C. machines CO3: To design core, yoke, windings and cooling systems of transformers CO4: To design stator and rotor of induction machines CO5: To design stator and rotor of synchronous machines and study their thermal behavior												
<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	H	L	L	H	M	M	L	L	L	L	L
CO2	H	H	L	L	M	M	M	L	L	L	L	L
CO3	H	H	L	L	H	M	M	L	L	L	L	L
CO4	H	H	L	L	H	M	M	L	L	L	L	L
CO5	H	H	L	L	H	M	M	L	L	L	L	L