

Course Number and Name												
BEE305 - Electrical machines												
Course Objectives												
To impart basic knowledge on electrical machines, principles and its operation												
Prerequisites						Co-requisites						
BEE101-Basic Electrical and Electronics Engineering						Nil						
Course Outcomes (COs)												
CO1- Outline the basics of electrical machines and analyze the characteristics of DC machines												
CO2- Understand and implement speed control techniques for practical applications.												
CO3- Describe the working of transformer and assess its regulation and efficiency on load and no-load .												
CO4- Know the working concept of different types of induction motor and analyze the operating behavior of induction motor using its performance indices.												
CO5- Explain the basics of synchronous machines and interpret performance characteristics.												
CO6- To understand the power generation and Transmission systems												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1						M				H		
CO2	M		H									
CO3				H					M			
CO4	M						M					H
CO5		L										
CO6						H						