

Course Number and Name												
BEE033 & Electric and Hybrid Vehicles												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.P.Kathiravan												
Course Description												
This course introduces the fundamental concepts, principles, analysis and design of hybrid, electric and fuel cell vehicles.												
Prerequisites						Co-requisites						
Renewable Energy Resources						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: Understand working of different configurations of electric vehicles, CO2: Understand hybrid vehicle configuration and its components, performance analysis. CO3: Understand the properties of batteries and its types CO4: Understand of electric vehicle drive systems. CO5: Understand of hybrid electric vehicles.												
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		M	M	H	M	L	M	L	H	M	L	M
CO2	H	H	H	H	H	L	M	L	H	M	L	M
CO3	H	H	H	H	H	L	M	M	H	M	L	M
CO4	M	M	H	H	H	L	M	M	H	M	L	M
CO5	H	H	H	H	H	L	M	M	H	M	L	M