

Course Number and Name												
BEE505 & Power Generation Systems												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.K.S.S.Prasad												
Course Description												
To understand the working of different types of power generation systems and to realize the necessity for interconnected operation of different power stations												
Prerequisites						Co-requisites						
Basic Mechanical Engineering						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To learn the economics connected with power generation												
CO2: To learn generation of electrical power from different types of power plants like Thermal, nuclear and hydro power stations												
CO3: To understand the measurement of various parameter in power plant and power plant instrumentation.												
CO4: To understand the monitoring and control concepts of the of the boiler and turbine.												
CO5: To understand the concepts of generation of electrical power using non-conventional energy resources												
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	H	H		H	M	L	M	L	H	H	H
CO2	H	H	M		H	M	M	M	M	H	M	H
CO3	H	H	H		H	M	M	H	M	H	M	H
CO4	H	H	M		H	H	M	M	L	H	H	H
CO5	H	H	H		H	M	M	M	H	H	H	H