

Course Number and Name												
BEE019 & Smart Grid												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Dr. V. Jayalakshmi												
Course Description												
To enable the students acquire knowledge on smart grid, different options of architectural design and communication technology for various aspects of smart grid , System analysis and stability analysis in smart grid, renewable energy sources and storage integration with smart grid.												
Prerequisites						Co-requisites						
Power Generation System						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To understand The concepts and design of Smart grid.												
CO2: To understand the various communication and measurement technologies in smart grid.												
CO3: To understand the analysis and stability of smart grid.												
CO4: To learn the renewable energy resources and storages integrated with smart grid.												
CO5: To familiarize the high performance computing for Smart Grid applications												
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	L	M	H	L	L	H	M	L	M	M	L	M
CO2	M	H	M	H	L	M	M	L	M	M	L	L
CO3	M	L	H	M	M	M	L	L	M	M	M	M
CO4	H	H	H	L	H	M	H	L	H	M	H	H
CO5	H	H	M	M	M	M	H	L	H	M	H	H