

<b>Course Number and Name</b>												
BEE051 & Distributed Generation and Micro Grid												
<b>Credits and Contact Hours</b>												
3 & 45												
<b>Course Coordinator's Name</b>												
Mrs.Anithasampath Kumar												
<b>Course Description</b>												
<ul style="list-style-type: none"> <li>• To illustrate the concept of distributed generation</li> <li>• To analyze the impact of grid integration.</li> <li>• To study concept of Microgrid and its configuration</li> </ul>												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Basic Mechanical Engineering						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1: Review the conventional power generation												
CO2: Analyze the concept of distributed generation and installation												
CO3: Design the grid integration system with conventional and non-conventional energy sources												
CO4: Design the dc and ac micro grid												
CO5: Analyze power quality issues and control operation of micro grid												
<b>Student Outcomes (SOs) from Criterion 3 covered by this Course</b>												
COs/POs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	M	M	M		M		M			M	L	M
CO2	H		H		H						M	M
CO3	M			H	M		M					
CO4	H	M		H	M					M		
CO5		M	M		M					L	M	M