

<b>Course Number and Name</b>												
BEE012 & Solid State Relays												
<b>Credits and Contact Hours</b>												
3 & 45												
<b>Course Coordinator's Name</b>												
Mrs.V.Sumathi												
<b>Course Description</b>												
<ul style="list-style-type: none"> <li>To educate the basic concepts and new developments in solid state relays and power system protection</li> <li>To educate the theory and applications of the main components used in power system protection for electric machines, transformers, bus bars, overhead and underground feeders.</li> </ul>												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Basic Electrical & Electronics Engg						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1 :Gain Knowledge On Different Protective Equipment's Or Power Relays, Know About Various Protective Systems- How It Works And Where It Works?												
CO2 : Different Applications Of The Relays, Circuit Breakers, Grounding For Different Elements Of Power System Is Also Discussed In The Subject.												
CO3: Ability To Understand Various Power, Frequency And Impedance Relays												
CO4: Ability To Understand Protective Schemes ,Transient Behavior ,Testing And Tripping Schemes												
CO5: Ability To Understand Relays Using Microprocessor												
<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	H	H	H	H	H	L	M	L	M	M		H
CO2	M	M	H	M	H	M	L	H	H	H	H	H
CO3	M	H	H	L	H	M	M	M	M	L	L	H
CO4	L	L	H	H	M	L	L	M	M	M	M	M
CO5	H	H	L	L	M	M	M	M	M	M	M	M