

Course Number and Name												
BEE5L2 & POWER ELECTRONICS LABARATORY												
Credits and Contact Hours												
2&45												
Course Coordinator's Name												
Mrs.S.Sherine												
Text Books and References												
Text Books: Lab manual												
Course Description												
To study the characteristics of various power electronic devices & how it is interfaced with motors.												
Prerequisites						Co-requisites						
Nil						Power Electronics						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To learn the output characteristics of SCR, DIAC & TRIAC CO2: To observe and learn the output waveform of Choppers CO3: To learn the output waveform of Series and Parallel Circuits CO4: To learn the interface with universal motor CO5: To learn the output waveform of single phase cycloconverter												
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		H	H				M			
CO2		L		H	H				M			
CO3		L		H	H				M			
CO4		L		H	H				M			
CO5		L		H	H				M			
LIST OF EXPERIMENTS												
<ol style="list-style-type: none"> DIAC Characteristics SCR Characteristics TRIAC Characteristics Commutation Circuits Of SCR Trainer Phase Controlled Characteristics Of SCR Trainer MOSFET Based step up Chopper MOSFET Based step down Chopper Single phase Series Inverter Single phase Parallel Inverter Single Phase Cycloconverter Speed control of Universal Motor . 												