Department of Electrical & Electronics Engineering

Cycle of Experiments			
Course Name	**Power Electronics Laboratory**	Lab In-charge	Dr Sathish K R
Course Code	**BEEL504**	Coordinators	

Cycle 1
1. Static Characteristics of SCR.
2. Static Characteristics of MOSFET and IGBT.
3. Characteristic of TRIAC.
4. SCR turn on the circuit using a synchronized UJT relaxation oscillator

Cycle 2
5. AC voltage controller using TRIAC and DIAC combination connected to R and RL loads.
6. Speed control of the dc motor using a single semi-converter
7. SCR digital triggering circuit for a single-phase controlled rectifier and AC voltage
8. Single-phase controlled full wave rectifier with R and R L loads,R-L-E load with and without

Cycle 3
9. Speed control of the stepper motor
10. Speed control of universal motor using AC voltage regulator
11. Speed control of a separately excited D.C. Motor using an IGBT or MOSFET chopper
12. Single Phase MOSFET/IGBT-based PWM Inverter

SL No.	Names	Signatures
1.	Dr Sathish K R- Lab In-charge	
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