

Name of the Lab : Power Electronics And Drives Laboratory

EE8661(Even Semester)

Regulation 2017

LIST OF EQUIPMENTS

S.NO.	NAME OF THE EQUIPMENT	Qty
1	Device characteristics(for SCR, MOSFET, TRIAC,GTO,IGCT and IGBT kit built-in / discrete power supply and meters)	02 Nos
2	Single phase SCR based half controlled converter and fully controlled converter along with built-in/separate/firing circuit/module and meter	02 Nos
3	MOSFET based step up and step down choppers (Built in/ Discrete)	02 Nos
4	IGBT based single phase PWM inverter module/Discrete Component	02 Nos
5	IGBT based three phase PWM inverter module/Discrete Component	02 Nos
6	Switched mode power converter module/Discrete Component	02 Nos
7	SCR & TRIAC based 1 phase AC controller along with lamp or rheostat load	02 Nos
8	IGBT based chopper module	01 Nos
9	Series resonance trainer kit	01 Nos
10	Dual regulated DC power supply with common ground	02 Nos
11	Cathode ray Oscilloscope	10 Nos
12	Function generator	05 Nos
13	Isolation Transformer	05 Nos
14	Single phase Auto transformer	03 Nos
15	Components (Inductance, Capacitance)	10 Sets
16	Multimeter	10 Nos
17	LCR meter	03 Nos
18	Rheostats of various ranges	04 Sets
19	DC and AC meters of required ranges	20 Nos

EQUIPMENT BEYOND THE ANNA UNIVERSITY SYLLABUS

20	Resonant DC - DC converter – 2	01 No
21	DC Jones chopper -1	01 No