


BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally, Ibrahimpatnam

EEE DEPARTMENT LABORATORY DETAILS - M.TECH-POWER CONVERTERS AND DRIVES LAB



SL. NO	ROOM NUMBER	NAME OF THE EQUIPMENT	MAKE	MODEL	TOTAL UNITS AVAILABLE	EQUIPMENT PHOTO(JPG/PNG)
1	NA-113	Computers above P-IV Configuration	DELL, INTEL	hp pro 3090 MT	9	
2	NA-113	Licensed Electrical softwares	MATHWOR K	MATLAB 2018	9	
3	NA-113	MATLAB	MATHWOR K	MATLAB 2018	9	
4	NA-113	PSPICE	CADENCE	16.6 Lite S-022	9	
5	NA-113	PSCAD	MY CENTRE	New version	9	
6	O-102A	Closed loop control of PMDC motor trainer	Powertronics Bengaluru	PMDC Motor	1	
7	O-102A	Speed measurement setup	Powertronics Bengaluru	PMDC Motor	1	

8	O-102A	Closed loop control of PMDC motor trainer kit	Powertronics Bengaluru	PMDC Motor	1	
9	O-102A	Variac	SABTRON	0-270V RANGE	1	
10	O-102A	Speed measurement setup	Powertronics Bengaluru	drive	1	
11	O-102A	Thyristorised Intelligent power module	Powertronics Bengaluru	drive	1	
12	O-102A	PMDC motor with closed loop control setup	Powertronics Bengaluru	drive	1	
13	NA-113	Computer with relevant software	MATHWORKS	MATLAB 2018	9	
14	O-102A	IGBT 4-quadrant chopper intelligent power module	Powertronics Bengaluru	drive	1	
15	O-102A	Speed measurement setup	Powertronics Bengaluru	drive	1	
16	O-102A	PMDC motor with closed loop control setup	Powertronics Bengaluru	drive	1	



17	NA-113	Computer with relevant software	MATHWORK	MATLAB 2018	9	
18	O-102A	1HP DC motor with closed loop control setup	Powertronics Bengaluru	drive	1	
19	O-102A	Speed measurement setup	Powertronics Bengaluru	drive	1	
20	O-102A	Thyristorised power module	Powertronics Bengaluru	drive	1	
21	NA-113	Computer with relevant software	MATHWORK	MATLAB 2018	9	
22	O-102A	3-phase input thyristorised power module	Powertronics Bengaluru	drive	1	
23	O-102A	3Hp DC motor with closed loop setup	Powertronics Bengaluru	drive	1	
24	O-102A	Speed measurement setup	Powertronics Bengaluru	drive	1	
25	NA-113	Computer with relevant software	MATHWORK	MATLAB 2018	9	

26	O-102A	3-phase input, IGBT, 4 quadrant chopper drive power module	Powertronics Bengaluru	drive	1	
27	O-102A	DC motor with closed loop setup	Powertronics Bengaluru	DC motor	1	
28	O-102A	Speed measurement setup	Powertronics Bengaluru	DC motor	1	
29	NA-113	Computer and relevant software	MATHWORKS	MATLAB 2018	9	
30	O-102A	3-phase induction motor	Powertronics Bengaluru	Induction motor	1	
31	O-102A	3-phase cycloconverter based power module	Powertronics Bengaluru	SCYP	1	
32	O-102A	Speed measurement setup	Powertronics Bengaluru	Measurement	1	
33	NA-113	Computer and relevant software	MATHWORKS	MATLAB 2018	9	
34	O-102A	3-phase wound rotor induction motor	Powertronics Bengaluru	Wound rotor	1	



35	O-102A	Power module suitable for wound rotor induction motor	Powertronics Bengaluru	KIT	1	
36	O-102A	Speed measurement setup	Powertronics Bengaluru	KIT	1	
37	NA-113	Computer and relevant software	MATHWORK	MATLAB 2018	9	
38	O-102A	Single phase fully controlled converter	Powertronics Bengaluru	KIT	1	
39	O-102A	Inductive load	Powertronics Bengaluru	5A	2	
40	O-102A	Pulse generator	Powertronics Bengaluru	gate drive	2	
41	O-102A	Single phase half controlled converter	Powertronics Bengaluru	KIT	1	
42	O-102A	Inductive load	Powertronics Bengaluru	5A	2	
43	O-102A	Pulse generator	Powertronics Bengaluru	gate drive	2	

44	O-102A	MOSFET/IGBT trainer kit	UNISYSTEM S	KIT-PANEL	1	
45	O-102A	Isolated gate drive circuits	UNISYSTEM S	KIT-PANEL	1	
46	O-102A	Solar PV Cell	UNISYSTEM S	KIT-PANEL	1	
47	O-102A	MPPT Controller	UNISYSTEM S	KIT-PANEL	1	
48	O-102A	Solar PV Cell setup	UNISYSTEM S	KIT-PANEL	1	
49	O-102A	multimeter	MECO	603	6	
50	O-102A	Solar PV cell setup	UNISYSTEM S	KIT-PANEL	1	
51	O-102A	Inverter and its control setup	UNISYSTEM S	KIT-PANEL	1	
52	O-102A	CROs	Sciencetech	401 Digital storage	3	

53	O-102A	Multimeters	MECO	603	6	
54	O-102A	Three-phase variacs	ELECTRONIC AUTOSTAT	3-Phase	4	
55	O-102A	Single phase variac	SABTRON	0-270V RANGE	1	