

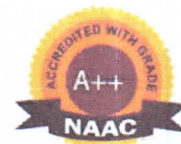


# D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

(Accredited with A<sup>++</sup> Grade by NAAC)

Balusumudi, BHIMAVARAM – 534 202, W.G. Dist., (A.P.)



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## POWER ELECTRONICS AB

### List of Equipments


As on 1<sup>st</sup> July 2022

S. No	Name	Make	Date	Unit Cost	Quantity	Total Cost in Rs.
1	SCR, MOSFET, IGBT Characteristics	Pragna micro design	29-9-2012	5800-00	1	5800-00
2	Gate Firing Circuits for SCR	Pragna micro design	29-9-2012	5080-00	1	5080-00
3	Forced commutation Study unit	Pragna micro design	29-9-2012	8500-00	1	8500-00
4	Rheostat (50 ohms / 2A)	Pragna micro design	29-9-2012	1300-00	1	1300-00
5	Single phase cyclo converter power circuit	Pragna micro design	29-9-2012	6500-00	1	6500-00
6	Single phase cyclo converter firing circuit	Pragna micro design	29-9-2012	6500-00	1	6500-00
7	Rheostat(150ohms/5 A)	Pragna micro design	29-9-2012	4500-00	1	4500-00
8	Inductor with tapping's	Pragna micro design	29-9-2012	4500-00	1	4500-00
9	Isolation Transformer	Pragna micro design	29-9-2012	4700-00	1	4700-00
10	1-ph AC Voltage controller	SRR	29-9-2012	6500-00	1	6500-00
11	Rheostat(150ohms/2 A)	SRR	29-9-2012	1300-00	1	1300-00
12	Inductor(150Mh/2A)	SRR	29-9-2012	1450-00	1	1450-00
13	1-Ph fully controlled Bridge converter power circuit	CREATIVE	29-9-2012	6500-00	1	6500-00
14	1-ph Bridge converter trigger circuit	CREATIVE	29-9-2012	3500-00	1	3500-00
15	Rheostat(150ohms/5 A)	CREATIVE	29-9-2012	4500-00	1	4500-00

16	Inductor(150mH/5A) , with tapping's	CREATIVE	29-9-2012	4500-00	1	4500-00
17	Isolation Transformer(1KVA/ 50Hz/230V) with tapping's	CREATIVE	29-9-2012	4700-00	1	4700-00
18	Johnson Chopper Power circuit	SRR	29-9-2012	5700-00	1	5700-00
19	Johnson Chopper firing circuit	SRR	29-9-2012	3500-00	1	3500-00
20	Rheostat(150ohms/5 A)	SRR	29-9-2012	1300-00	1	1300-00
21	Inductor(150mH/5A) , with tapping's	SRR	29-9-2012	1450-00	1	1450-00
22	Regulated power supply(0-30V)	SRR	29-9-2012	3500-00	1	3500-00
23	Parallel Inverter unit	SRR	29-9-2012	7800-00	1	7800-00
24	Rheostat(50ohms/2A )	SRR	29-9-2012	1300-00	1	1300-00
25	Regulated power supply(0-30V)	SRR	29-9-2012	3500-00	1	3500-00
26	Series Inverter unit	SRR	29-9-2012	7200-00	1	7200-00
27	Rheostat(150ohms/5 A)	SRR	29-9-2012	1300-00	1	1300-00
28	Inductor(150mH/5A) , with tapping's	SRR	29-9-2012	1450-00	1	1450-00
29	Regulated power supply(0-30V)	SRR	29-9-2012	3500-00	1	3500-00
30	Single phase half- controlled converter power circuit	CREATIVE	29-9-2012	6483-75	1	6483-75
31	Single phase Bridge controlled converter trigger circuit	CREATIVE	29-9-2012	3491-25	1	3491-25
32	Inductor(150mH/5A) , with tapping's	CREATIVE	29-9-2012	4488-75	1	4488-75
33	Isolation Transformer(1KVA/ 50Hz/230V) with tapping's	CREATIVE	29-9-2012	4688-25	1	4688-25
34	Rheostat(150ohms/5 A)	CREATIVE	29-9-2012	4488-75	1	4488-75
35	Controller unit and 24V PMDC motor control consists MOSFET, CHOPPER	MTS MultiTech Systems	29-9-2012	11610-00	1	11610-00
36	DC-DC Buck	VI Micro Systems	13-2-2017	22857-00	1	22857-00

	converter					
37	DC-DC Boost converter		30-3-2017	22857-00	1	22857-00
38	1-ph PWM Inverter	VI Micro Systems	13-2-2017	24262-3	1	24262-3
39	Design and Development of Gate drive circuit	Multi Tech Ltd	3-11-2018	18723-00	1	18723-00
40	Single phase square wave Bridge Inverter	VI Micro Systems	8-11-2018	21335-00	1	21335-00
41	Execution of different Lader Diagrams	Multi Tech Systems	8-11-2018	29390-00	1	29390-00
42	Execution of Lader diagrams with model applications DOL Starter	Multi Tech Systems	8-11-2018	3918-00	1	3918-00
43	Execution of Lader diagrams with model applications Star-Delta Starter	Multi Tech Systems	8-11-2018	3918-00	1	3918-00
44	Execution of Lader diagrams with model applications Stair case Lighting	Multi Tech Systems	8-11-2018	3265-00	1	3265-00
45	Execution of Lader diagrams with model applications Traffic Lighting control	Multi Tech Systems	8-11-2018	3265-00	1	3265-00
46	Three Phase full converter with R and RL Load set up	HEM	31-10-2022	39754-00	1	39754-00
47	Three Phase Bridge Inverter with 120 & 180 degrees.	HEM	31-10-2022	36568-00	1	36568-00
48	Digital Multimeter	Meco	31-10-2022	2572-00	5	12862-00
49	W.W. Rheostats, 5.0A/50Ω,1-TUBE	Sharma	31-10-2022	23423-00	2	46846-00
50	Digital storage oscilloscope	Finrsi	31-10-2022	34043-00	4	136172-00

51	Study of characteristics of Thyristor, MOSFET and AMP, IGBT	Pragna	31-10-2022	15139-00	1	15139-00
52	CRO Probes 1:1(BNC to crocodile)		31-10-2022	318-00	12	3823-00
53	1-Ø Dual converter with 24V, DC Motor	HEM	31-10-2022	41418-00	1	41418-00
<b>Total Cost</b>						639950-00

  
**Head**  
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