

Power Electronics Lab



Lab Description

- Lab In charge : Prof. S. S. Dhamse
- Lab Assistant : Shri. V. M Pansare
- Lab Attendant : Mr. Shaikh Nazir
- Major Facilities : 1. Static Kramer Drive
2. DC Jone's chopper
- Experimentation
For Courses : 1. EE3017 Lab Power Electronics
2. EE3007 Lab Digital Electronics
3. EE2006 Lab Analog Electronics
4. EE447/ EE52008 Lab Electrical Drives
- List of Major Equipments

Sr. No.	Name of Equipment	Date of Purchase	Total Cost
1	DSP based static Kramer Drive with open loop speed control DC series motor using Jone's Chopper Circuit	17/05/2013	Rs. 3,35,765
2	Digital Storage Oscilloscope-60 MHz Tektronics (04 Qty)	30/03/2005	Rs. 3,17,990
3	Multiphase Induction Motor	20/03/2018	Rs. 2,90,400
4	Electronically controlled variable speed DC drive trainer set	11/10/2006	Rs. 2,70,570

5	Electronically controlled variable speed AC drive trainer set(Vector control)	16/07/2007	Rs. 1,90,000
6	Electronically controlled variable AC drive , Trainer inclusive of suitable motor(PWM control)	16/07/2007	Rs. 1,10,900
7	Single phase fully controlled converter	09/03/2006	Rs. 60,359
8	Single phase fully controlled converter (02 Qty)	12/08/2015	Rs. 26,000
9	Single phase semi controlled converter (02 Qty)	12/08/2015	Rs. 24,000
10	Forced Commutation (02 Qty)	12/08/2015	Rs. 22,400
11	CRO high voltage probe X100, 250 MHz	03/04/2006	Rs. 19,990
12	Storage memory communication module	03/04/2006	Rs. 19,950
13	Single Phase SCR series inverter	12/11/2008	Rs. 18,861
14	Forced Commutation Circuit Module	12/11/2008	Rs.15,574
15	SCR, MOSFET, IGBT & TRIC static Characteristics Module	12/11/2008	Rs. 14,316
16	R, RC & UJT firing module	12/11/2008	Rs.10379
17	Two stage RC coupled Transistor Amplifier with Power supply	21/06/2007	Rs. 4,893

➤ Total cost of equipments : Rs. 37,54,208