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**Department of Electrical Engineering**  
**Drives & Control Lab**

**List of Equipments**

Sr.No.	Description	Specification	Qty.
1	Control panel for Dynamic breaking & other test on DC shunt motor	–	1
2	Rheostat	300 Ohms/1.4 A	1
3	1 Phase Half controlled rectifier kit	For 0.5 HP	1
4	1 Phase full controlled rectifier kit	For 0.5 HP	1
5	1 Quadrant chopper control of DC motor	For 0.5 HP	1
6	Rheostat	600 Ohms / 1 A	1
7	Minispec Thyristor Drive	0.5 HP	1
8	VFD drive with RPM meter	–	1
9	Panel for CT & PT Demonstration	–	1
10	Stepper motor Kit	–	1
11	Panel for Plugging of SQIM	–	1
12	Variac	3 Phase / 6A	1
13	TPDT Knife switch	–	1
14	DC shunt Motor with BDA	0.5HP/180V/1500RPM	1
15	DC shunt Motor with Flywheel	3HP/220V/1500RPM	1
16	3Phase Squirrel cage induction motor	1HP/415V/1400RPM	1
17	3Phase Squirrel cage induction motor with BDA	3HP/415V/1400RPM	1

**List of Experiments**

Sr.No	Title of Experiments
1	Measurement of inertia by retardation test
2	Dynamic breaking ,plugging of DC motor
3	Starting of DC Motor
4	Study of different speed sensing ( Current & Voltage)
5	Chopper controlled DC drives
6	Plugging of 3 Induction Motor
7	1 full wave half controlled rectifier fed DC drive
8	Study of special motor drive



