

DEPARTMENT OF ELECTRICAL ENGINEERING

INDUSTRIAL POWER LABORATORY-2

EMBEDDED SYSTEMS APPLICATIONS LAB

List of Major Equipment:

Sl No.	Equipment	Cost (Lakhs)	Year of Procurement
1.	Digital Signal Processor (TMS320F 2407) controlled motor	01.50	2002
2.	VFD (Altivar UK) ,Soft starter, Auto transformer starter, DOL starter for 1Hp Induction motor pump set	02.50	2006
3.	Micro Controller Trainer kit (Micro 8051 & Micro 80196)	00.50	2007
4.	Clamp on Power Meter CW 240 (Yokogawa)	01.20	2007
5.	Digital Signal Processor (TMS320F 2407/ TMS320C 6713) kit	00.66	2008
6.	Eddy Current Control Drive Setup (Eddy Current Controls Pvt. Ltd)	03.00	2009
7.	Linear Induction Motor Controller (Model no PEC16LM01)	01.25	2010
8.	Digital Storage Oscilloscope, 200 MHz (20C2T NVIS Technologies)	00.50	2014
9.	Six DOF ABB IRB 1200 Robot	22.00	2015
10.	Vector Control Drive for 3 phase Squirrel Cage Induction motor along with motor and loading arrangement (Entuple Technologies)	05.60	2015
11.	1 HP Switched Reluctance Motor with eddy current loading arrangement and IGBT based SRM power module (Entuple Technologies)	09.12	2015
12.	4 Quadrant Bilateral Switch-10 numbers (Entuple Technologies)	00.68	2015
13.	PMSM Motor Control Module along with Intelligent Power Control Module (Entuple Technologies)	01.50	2016
14.	Motor Workbench [MAC PC, MDO 3024 Oscilloscope, PA1000 Power Analyser, AFG1022 Signal Generator, Fluke-115- DMM, DC-Electronic Load]	11.96	2016
15.	Wavect (FPGA based controller) & software	08.44	2017

Faculty I/C: Dr. Ashok S

Technical staff: Mr. Harikrishnan MU (ad hoc)

Status Updated: January 2019