


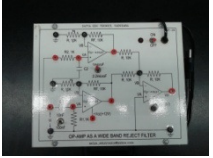


Index for Labs under Electrical Engineering

Sr. No.	Laboratory Name
1	Analog and Digital Electronics Laboratory
2	Communication Engineering Laboratory
3	Digital Signal Processing Laboratory
4	Electronics Devices And Circuits Laboratory
5	Microprocessor Laboratory
6	High Voltage Engineering Laboratory
7	Electrical Measurement And Measuring Instrument Laboratory
8	Network Theory Laboratory
9	Power Electronics Laboratory
10	Electromechanical Energy Conversion Laboratory
11	Process Dynamics and Control Laboratory
12	Power System Protection Laboratory
13	Electrical & Electronics Engineering Materials Laboratory
14	Modeling & Simulation Laboratory

1) ANALOG AND DIGITAL ELECTRONICS LABORATORY

Detailed list of instruments:


Sr. No	Item	Qty	Asset No.	Image
1	Study of Characteristics of Operational Amplifier	1	PDPU/SOT/EE/A&DE/INT/11-12/3	
2	Study of Operational Amplifier as Square to Triangular & Triangular to square wave convertor	1	PDPU/SOT/EE/A&DE/INT/11-12/7	
3	Op Amp. As Voltage Comparator	1	PDPU/SOT/EE/A&DE/INT/11-12/12	
4	Astable Multivibrator using IC 555	1	PDPU/SOT/EE/A&DE/INT/11-12/15	
5	Study of Adders and Subtraction using OR EX-ORAND & NOT gates.	1	PDPU/SOT/EE/A&DE/INT/11-12/22	
6	Digital Trainer to study & verify truth tables of Flip Flops using TTL IC's and NAND Gates	1	PDPU/SOT/EE/A&DE/INT/11-12/25	
7	Study of Encoder & Decoder Circuits.	1	PDPU/SOT/EE/A&DE/INT/11-12/28	
8	Decade Counter & Binary Counter	1	PDPU/SOT/EE/A&DE/INT/11-12/30	
9	Analog Circuits system	1	PDPU/SOT/EE/A&DE/INT/11-12/41	

10	Digital Electronics Development System	1	PDPU/SOT/EE/A&DE/INT/11-12/44	
11	Active band – reject filter (wide band)	1	PDPU/SOT/EE/A&DE/INT/11-12/50	
12	10MHz Function Generator	3	PDPU/SOT/EE/A&DE/INT/11-12/54 &55	
13	Multi Output Variable DC Regulated Power Supply	2	PDPU/SOT/EE/A&DE/INT/11-12/57&58	



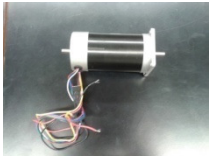


2) COMMUNICATION ENGINEERING LABORATORY

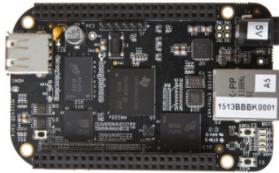
1	Pulse Code Modulation & Demodulation	2	PDPU/SOT/EE/COMN/INT/11-12/19/3.1 To 3.2	
2	Pulse Code Modulation & Demodulation	2	PDPU/SOT/EE/COMN/INT/11-12/19/3.1 To 3.2	
3	A.M. Transmitter & receiver Trainer	2	PDPU/SOT/EE/COMN/INT/11-12/19/8&9	
4	Amplitude Shift Keying (ASK) Modulation and Demodulation	2	PDPU/SOT/EE/COMN/INT/11-12/19/10&11	

5	QAM modulation and Demodulation Kit	1	PDP/EE/COMN/INT/11-12/19/13	
6	Digital Storage Oscilloscope-100MHz	1	PDP/EE/COMN/INT/11-12/19/15	
7	Analog Signal Sampling and Reconstruction Kit	1	PDP/EE/COMN/INT/11-12/19/19	
8	Delta/Adaptive Delta/Sigma Modulation/Demodulation Trainer	1	PDP/EE/COMN/INT/11-12/19/21	
9	Frequency division Multiplexer and Demultiplexer	2	PDP/EE/COMN/INT/11-12/19/24.1 & 24.2	
10	Frequency Modulation Transmitter Kit + Frequency Modulation Receiver Kit	1	PDP/EE/COMN/INT/11-12/19/25&26	
11	Phase Shift Keying (PSK) Modulation & Demodulation	2	PDP/EE/COMN/INT/11-12/19/27.3	
12	2MHz Function Generator	2	PDP/EE/COMN/INT/11-12/19/30.1	

13	20-30MHz Two Channel Four Trace Microcontroller Based Oscilloscope	1	PDP/PU/SOT/EE/COMN/INT/11-12/19/26	
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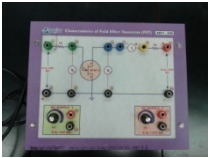



3) DIGITAL SIGNAL PROCESSING LABORATORY

1	High Voltage Motor Control and PFC Developer's Kit	3	PDP/PU/SOT/EE/DSP/2013-14/182/1 TO 3	
2	AC Induction Motor(for Sr. No.- 1)	3	PDP/PU/SOT/EE/DSP/2013-14/182/4 TO 6	
3	Brushless DC Motor for TMDSHVMTRPFCKIT	3	PDP/PU/SOT/EE/DSP/2013-14/182/7 TO 9	
4	Permanent Magnet Synchronous Motor for TMDSHVMTRPFCKIT	3	PDP/PU/SOT/EE/DSP/2013-14/182/10 TO 12	
5	DSP Development Kit like TMS320C6748 DSP Development Kit(LCDK) and JTAG emulator like TMDSEMU100VU-14T	4	PDP/PU/SOT/EE/DSP/2013-14/183/13 TO 16	




6	MSP430 Launch Pad	2	PDPJ/SOT/EE/DSP/2013-14/183/17 TO 18	
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4) ELECTRONICS DEVICES AND CIRCUITS LABORATORY







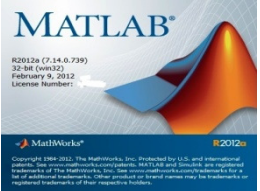
1	30MHz Two Channel Four Trace Microcontroller Based Oscilloscope	4	PDPJ/SOT/EE/EDC/INT/11-12/08/2.1 TO 2.4	
2	Diode Characteristic Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/3.1 TO 3.3	
3	Transistor Characteristics Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/4.1 TO 4.3	
4	Rectifier Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/5.1 TO 5.3	
5	Hartley and Colpitts Oscillator Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/6.1 TO 6.3	
6	Clipper and Clamper Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/8.1 TO 8.3	

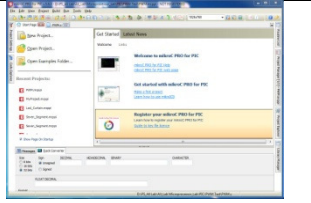
7	FET Characteristics Trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/9.1 TO 9.3	
8	BJT Amplifiers and Emitter Follower trainer	3	PDPJ/SOT/EE/EDC/INT/11-12/08/10.1 TO 10.3	
9	Analog Electronics Development system	4	PDPJ/SOT/EE/EDC/INT/11-12/21/14.1 TO 14.4	
10	Multi Output Variable DC Regulated Power Supply	3	PDPJ/SOT/EE/EDC/INT/11-12/21/15.1 TO 15.3	

5) MICROPROCESSOR LABORATORY

1	3 MHz Function Generator	2	PDPJ/SOT/EE/EDC/INT/11-12/08/17.1 TO 17.2	
2	Power Supply	3	PDPJ/SOT/EE/MP/11-12/GET-1/1.1 TO 1.3	
3	85L (With LCD,HEX Key Pad,DC Motor Control Board,Stepper Motor control board,ADC-16Bit&18Bit,etc)	5	PDPJ/SOT/EE/MP/11-12/GET-6R/2.1.1 & 2.1.5	

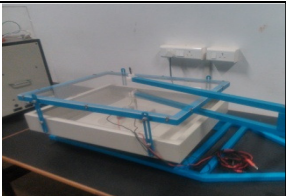




<p>4</p>	<p>86L (With LCD,HEX Key Pad,DC Motor Control Board,Stepper Motor control board,ADC-16Bit&18Bit,etc)</p>	<p>5</p>	<p>PDPU/SOT/EE/MP/11-12/GET-6R/3.1.1 TO 3.1.5</p>	
<p>5</p>	<p>Development System for PIC Microcontroller (with Compiler) (with LCD, GLCD,Relay Board,GSM Module,Steper Motor Control Bord,ADC,etc)</p>	<p>5</p>	<p>PDPU/SOT/EE/MP/11-12/GET-6R/7</p>	
<p>6</p>	<p>8031/51 based Microcontroller Trainer/Development board (with LCD, GLCD,Relay Board,GSM Module,Steper Motor Control Bord,ADC,etc)</p>	<p>10</p>	<p>PDPU/SOT/EE/MP/11-12/GET-6R/4.1 TO 4.10</p>	
<p>7</p>	<p>8051/251 Single Board Computer/ Evaluation Board, Allong with ADP PPI adapter</p>	<p>5</p>	<p>PDPU/SOT/EE/MP/11-12/GET-14R/8.1 TO 8.5</p>	
<p>8</p>	<p>COMPUTER SYSTEMS</p>	<p>11</p>	<p>PDPU/SOT/EE/MP/COMP/11-12/19/1 TO 11</p>	
<p>9</p>	<p>Embeded Artists EA-OEM-410</p>	<p>5</p>	<p>PDPU/SOT/EE/MP/11-12/GET-13/28.1 TO 28.5</p>	
<p>10</p>	<p>Keil MCB2929-ED (With LCD,HEX Key Pad,DC Motor Control Board,Stepper Motor control board,ADC-16Bit&18Bit,etc)</p>	<p>2</p>	<p>PDPU/SOT/EE/MP/11-12/GET-13/30.1 TO 30.2</p>	




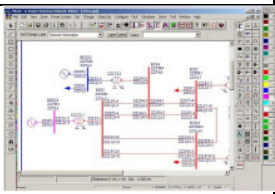
11	Mixed Signal Oscilloscope	2	PDP/PU/SOT/EE/MP/11-12/GET-2/32.1 TO 32.2	
12	EMBEDDED (ARM9) DEVELOPMENT BOARD	2	PDP/PU/SOT/EE/MP/11-12/GET-2/34.1 TO 34.2	
13	DIGITAL STORAGE OSCILLOSCOPE, 70MHz, 2 Ch WITH 20MHz FG	5	PDP/PU/SOT/EE/MP/11-12/GET-2/35.1 TO 35.5	
14	SIGNAL ANALYZER/SPECTRUM ANALYZER	1	PDP/PU/SOT/EE/MP/11-12/GET-2/39	
15	Keil MDK-ARM-ED10 uVision4(Keil) Software with licenses of 10 nos.	1 (Licenses 10)	PDP/PU/SOT/EE/MP/11-12/GET-13/29	
16	Keil PK51-ED10 uVision4(Keil) Software with licenses of 10 nos.	1 (Licenses 10)	PDP/PU/SOT/EE/MP/11-12/GET-13/27	
17	Matlab 2012a Package	1 (Network licenses 10)	PDP/PU/SOT/EE/MP/11-12/GET-4R/26	

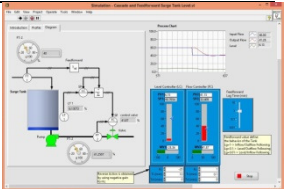
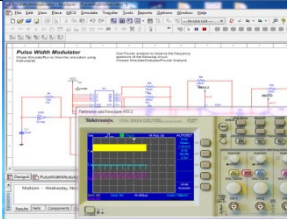
18	mikroC for PIC V7	1(Li cen ses 5)	PDP/PU/SOT/EE/MP/11-12/GET-6R/7.6.1 TO 7.6.5	
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6) HIGH VOLTAGE ENGINEERING LABORATORY

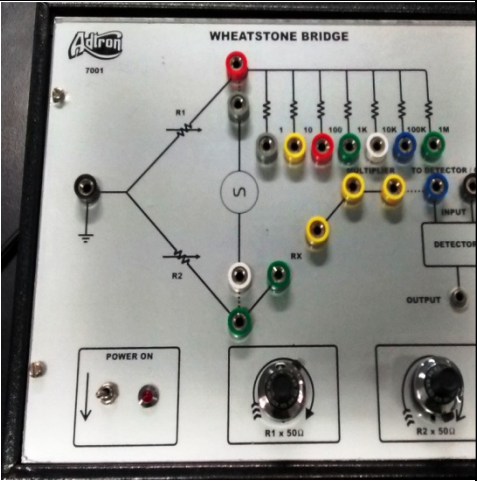
Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	AC/DC/IMPULSE TEST SET. (100 KV AC, 140 KV DC)	1	PDP/PU/SOT/EED/HVE/01	
2	DIGITAL STORAGE OSCILLOSCOPE.	1	PDP/PU/SOT/EED/HVE/02	
3	PARTIAL DISCHARGE METER WITH HOUSING.	1	PDP/PU/SOT/EED/HVE/03	
4	CAPACITOR (COUPLING) OIL INSULATED AND HERMETICALLY.	1	PDP/PU/SOT/EED/HVE/04	
5	HV FLEXIBLE METAL CONNECTOR FOR CORONA FREE CONNECTION OF TEST OBJECT TO HV TEST TRANSFORMER.	1	PDP/PU/SOT/EED/HVE/05	
6	SUPPLY ISOLATION TRANSFORMER FOR HV LAB EQUIPMENTS.	1	PDP/PU/SOT/EED/HVE/06	
7	ROD GAPE APPARATUS.	1	PDP/PU/SOT/EED/HVE/07	



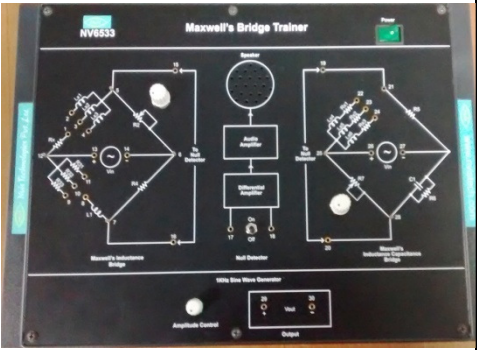
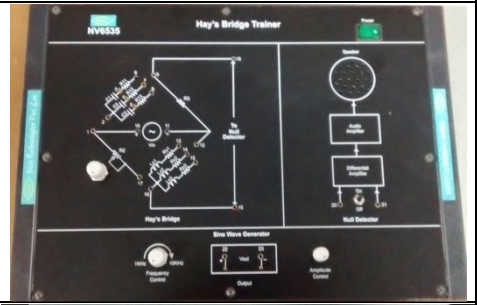

8	ELECTROLYTIC TANK.	1	PDPU/SOT/EED/HVE/08	
9	0 TO 100 KV OIL TEST KIT. SEMI AUTOMATIC.	1	PDPU/SOT/EED/HVE/09	
10	0 TO 30 KV HV INSULATION TESTER.	1	PDPU/SOT/EED/HVE/10	
11	HORN GAP APPARATUS.	1	PDPU/SOT/EED/HVE/11	
12	2.5 KV HAND HELD INSULATION TESTER. (HAND CRANKED OPERATED)	1	PDPU/SOT/EED/HVE/12	


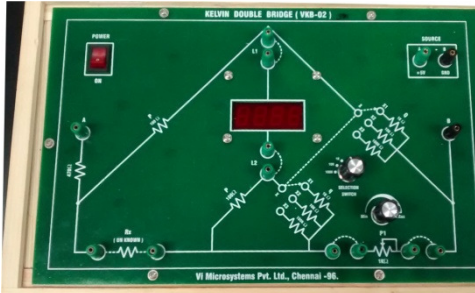



13	NI Compact DAQ – Hardware Platform	2	PDPU/SOT/MSL/Hardware /2012/4	
				
14	NI PXI – Hardware Platform	1	PDPU/SOT/MSL/Hardware /2012/5	
15	Mi-Power	1 (Licenses 10)	PDPU/SOT/MSL/Software/ 2012/1	

16	NI LabView One Academic Site License(50) User Licenses	1 (User 50)	PDPU/SOT/MSL/Software/ 2012/2	
17	NI Multisim(25 User License	1 (User 25)	PDPU/SOT/MSL/Software/ 2012/3	

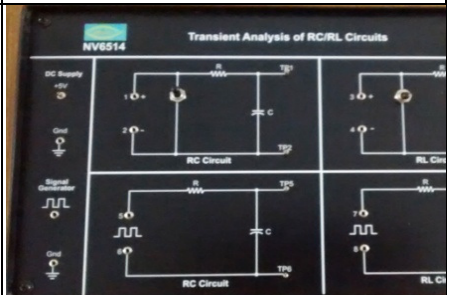
7) ELECTRICAL MEASUREMENT AND MEASURING INSTRUMENT LABORATOR

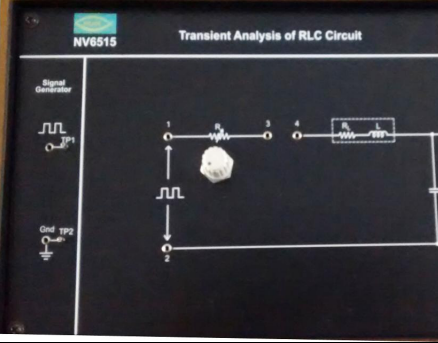
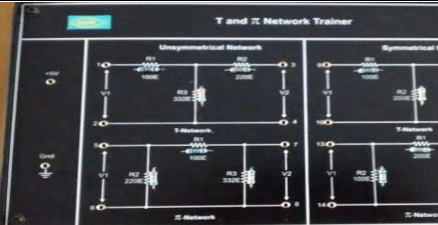
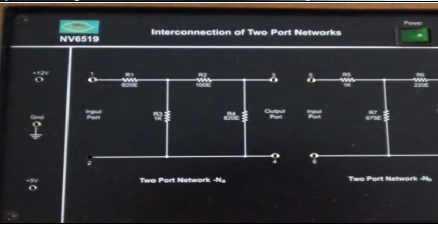


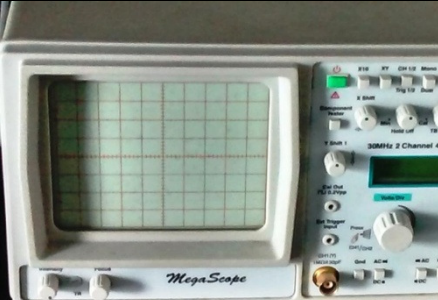
Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Wheat stone's Bridge	1	SOT/Electrical/EMMI/SC /11-12/1/001	
2	Digital multimeter	2	SOT/Electrical/EMMI/SC /11-12/1/004 To 005	

				
4	30 MHZ Two channel Four trace microcontroller based Oscilloscope	2	SOT/Electrical/EMMI/SC /11-12/1/006 To 007	
5	Maxwell Bridge Demonstration	1	SOT/Electrical/EMMI/SC /11-12/1/010	
6	Hay's Bridge Demonstration	1	SOT/Electrical/EMMI/SC /11-12/1/011	
7	1MH2 function generator with 40 MHZ frequency counter	2	SOT/Electrical/EMMI/SC /11-12/1/013 To 014	

8	Wein Bridge Trainer Kit	1	SOT/Electrical/EMMI/SC /11-12/1/019	
9	Kelvin's double Bridge Demonstrater	1	SOT/Electrical/EMMI/SC /11-12/1/020	
10	Decade Resistance Boxes	4	SOT/Electrical/EMMI/SC /2013-2014/1/24.1-24.4	
11	D.C Power Supply	2	SOT/Electrical/EMMI/SC /2013-2014/1/26 To 27	
11	Three phase Rheostat Load bank	2	SOT/Electrical/EMMI/SC /2013-2014/1/33.1-33.2	

8) NETWORK THEORY LABORATORY

Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Trainer for Transient Analysis for R-C and R-L Circuit	1	SOT/ELECTRICAL/NT/SC/11-12/1/01	

2	Trainer for Transient Analysis for R-C -L Circuit	1	SOT/ELECTRICAL/NT/SC/11-12/1/02	
3	T & Pi Network Trainer	1	SOT/ELECTRICAL/NT/SC/11-12/1/05	
4	Interconnection of Two Port Network Trainer	1	SOT/ELECTRICAL/NT/SC/11-12/1/06	
5	Digital Multimeters	2	SOT/ELECTRICAL/NT/SC/11-12/2/07 TO 08	
6	1 Mhz Fuction Generator with 40 Mhz Frequency Counter	2	SOT/ELECTRICAL/NT/SC/11-12/2/09 TO 10	
7	30 MHz two channel four trace Microcontroller based oscilloscope	2	SOT/ELECTRICAL/NT/SC/11-12/2/11 TO 12	

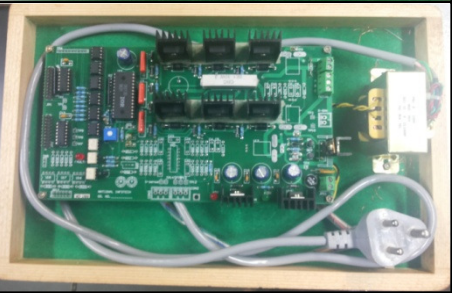


10	Theorem's and Laws Trainer	1	SOT/ELECTRICAL/NT/SC/11-12/1/13
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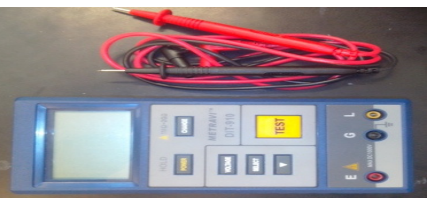




9) POWER ELECTRONICS LABORATORY

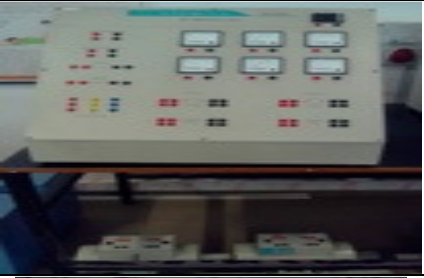
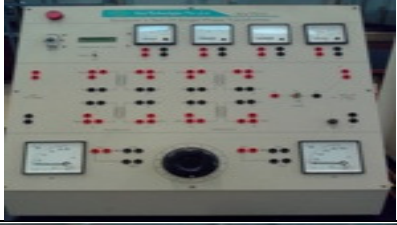




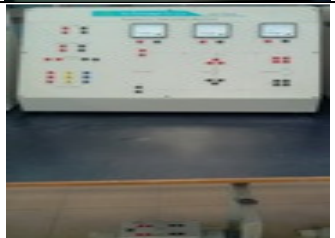
Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Gate Base Triggering Circuits Trainer	02	PDPU/SOT/ELE/PED/11-12/8/A&B	
2	Three Phase Rectifiers Trainer	02	PDPU/SOT/ELE/PED/11-12/10/A&B	
3	Brush Less DC Motor Drives	02	PDPU/SOT/ELE/PED/11-12/16/A&B	
4	Programmable Power supply 300V , 5A 1500W	02	PDPU/SOT/ELE/PED/11-12/18/A&B	







5	AC Electronic loads 300V ,12A -1200VA	01	PDPU/SOT/ELE/PED/11-12/19	
6	AC Power Source / Power Analyzer	01	PDPU/SOT/ELE/PED/11-12/20	
7	DC Electronic Load 240V-10A	01	PDPU/SOT/ELE/PED/11-12/21	
8	Ckt Design and Simulation software for Power Electronics	01	PDPU/SOT/ELE/PED/11-12/22	
9	70MHz scope with Inbuilt FG	04	PDPU/SOT/ELE/PED/11-12/23/1/A to D	
10	DC power supply 30V - 3 A	04	PDPU/SOT/ELE/PED/11-12/23/2/A to D	







11	Electronic Instrumentation training Kit	04	PDPU/SOT/ELE/PED/11-12/23/4/A to D	
12	3 Phase Opto isolated inverter card with IGBT and Appropriate Driver Circuit	05	PDPU/SOT/ELE/PED/11-12/24/A to E	
13	2 Isolated Channel 100 MHz Battery operated Hand held DSO	01	PDPU/SOT/ELE/PED/11-12/29/1	
14	Universal IC Tester	01	PDPU/SOT/ELE/PED/11-12/41	







10) ELECTROMECHANICAL ENERGY CONVERSION LABORATORY

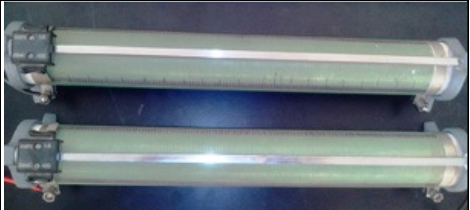

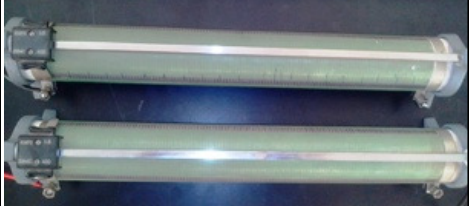
1.	AC/DC CLIP ON METER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/001	
2.	MEGGR (ANALOG)	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/002	
3.	MEGGER(DIGITAL)	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/003	
4.	D.C. POWER SUPPLY	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/004	
5.	AC/DC LOAD	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/005 & 006	
6.	THREE PHASE INDUCTION MOTOR TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/007	
7.	SINGLE PHASE INDUCTION MOTOR TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/008	

8.	D.C.MACHINES LAB-1	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/009	
9.	SUMPNER TEST TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/010	
10.	D.C.MACHINE LAB-2	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/011	
11.	SCOTT CONNECTION TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/012	
12.	THREE PHASE SYNCHRONOUS GEN LAB	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/013	
13.	PARALLEL OPERATION OF TWO SINGLE PHASE TRANSFORMER TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/014	
14.	SWINBUNE TEST ON DC MACHINE TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/015	

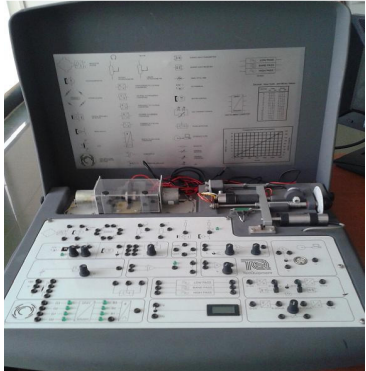

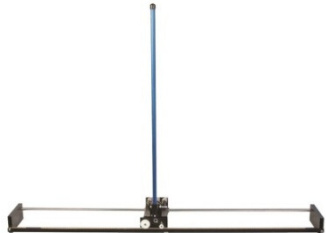
15.	HOPKINSONS TEST ON DC MACHINES TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/016	
16.	D.C.SERIES MOTOR LAB TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/017	
17.	THREE PHASE SYNCHRONOUS MOTOR LAB	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/018	
18.	WARD-LEONARD METHOD OF SPEED CONTROL TRAINER FOR DC MOTOR	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/019	
19.	D.C.COMPOUND MOTOR LAB TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/020	
20.	SHUNT MOTOR SERIES GENERATOR LAB	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/021	



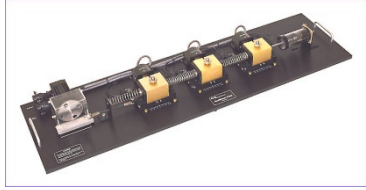



21.	DIGITAL MULTIMETER	6	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/022 to 027	
22.	SCREW DRIVER SET	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/028 & 029	
23.	SUPPLY TESTER	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/030 & 031	
24.	INDUCTION MOTOR COMPOUND GENRETOR LAB TRAINER	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/032	
25.	D.C. POWER SUPPLY	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/033	
26.	SINGLE PHASE TRANSFORMER LAB	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/034/A & B	
27.	Techometer (Contact Surfae type)	5	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/035/A/1 to 5	

28.	Techometer (Laser type)	4	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/035/B/1 to 4	
29.	Electrical Core System Panel	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/036	
30.	THREE PHASE AUTO TRANSFORMER	3	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/037/1 to 3	
31.	DIGITAL MULTIMETER (MECO-801 Auto)	6	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/038 to 043	
32.	Digital Clip-on meter (MOTWANE- DCM39A)	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/044	
33.	Digital Megger (RISH - Insu-10)	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/045	


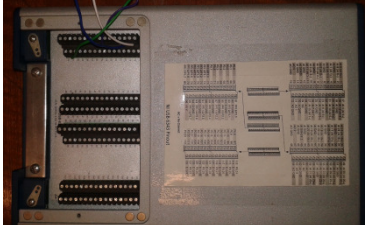
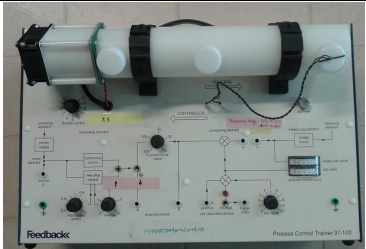



34.	Rheostate (400 Ω , 1.7 Amp.)	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/046/A & B	
35.	Lamp Load Panel	1	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/047	
36.	Rheostat (400 Ω , 1.5 Amp.)	2	PDPU/SOT/ELE/EMEC-1/SC/11-12/1/048/A & B	

11) PROCESS DYNAMICS AND CONTROL LABORATORY

1	Sensor and Instrumentation System	03	PDPU/EE/I&C/08-09/74-01/74	
2	Coupled Tanks apparatus	01	PDPU/EE/I&C/08-09/75-01/75	
3	Linear Inverted Pendulum	01	PDPU/EE/I&C/08-09/77-01/77	







4	Function Generator (3 MHz)	5	PDPU/EE/I&C/09-10/04-05/81 TO PDPU/EE/I&C/09-10/08-05/85	
5	Digital CRO	08	PDPU/EE/I&C/09-10/15-08/92 To 99	
6	Rectilinear Plant Spring-Mass-Damper	1	PDPU/EE/I&C/09-10/23-01/100	
7	Industrial Plant Emulator	1	PDPU/EE/I&C/09-10/24-01/101	
8	Control Moment Gyroscope	1	PDPU/EE/I&C/09-10/25-01/102	
9	Coupled Tank System (Lab View Version)	1	PDPU/EE/I&C/09-10/26-01/103	





10	Control Valve characteristics (Linear +Equal %+Quick)	1	PDP/EE/I&C/09- 10/27-01/104	
11	Low cost Virtual Instrumentation Hardware and Software (Single Board Heater System)	15	PDP/EE/I&C/10- 11/01-15/115 To PDP/EE/I&C/10- 11/15-15/129	
12	PLC Modules(Dual Conveyor Work Cell)	1	PDP/EE/I&C/10- 11/16-01/130	
13	D.C. Power Supply	05	PDP/EE/I&C/10- 11/17-05/131 TO PDP/EE/I&C/10- 11/21-05/135	
14	Bode Analyzer Suit (NI ELVIS-II)	07	PDP/EE/I&C/11- 12/02-01/137 PDP/EE/I&C/11- 12/04-06/139 TO PDP/EE/I&C/11- 12/09-06/144	
15	Miniature Process Control Plant	01	PDP/EE/I&C/11- 12/03-01/138	

16	DAQ CARD - 6009	USB NI	01	PDPU/EE/I&C/11- 12/10-01/145	
17	DAQ CARD - 6343	USB NI	01	PDPU/EE/I&C/11- 12/10-01/146	
18	Process Control Trainer		01	PDPU/EE/I&C/11- 12/12-01/147	
19	QET-DCMCT		01	PDPU/EE/I&C/11- 12/15-01/150	
20	Process Instrumentation Trainer		01	PDPU/EE/I&C/11- 12/18-01/153	
21	Controller		01	PDPU/EE/I&C/11- 12/18-01/154	

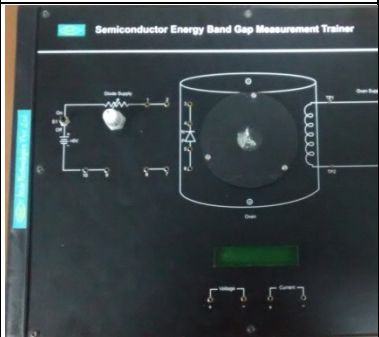



12) POWER SYSTEM PROTECTION LABORATORY





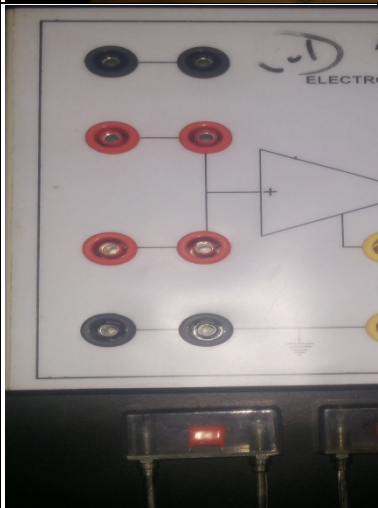
Detailed list of instruments:

1	Set up for checking Characteristic and Operation of FUSE, MCB and ELCB.	1	PDPU/SOT/EED/PSP/01	
2	Set up for checking Characteristic and Operation of INVERSE TIME OVER CURRENT RELAYS having Following Characteristic ELECTROMECHANICAL RELAYS.	1	PDPU/SOT/EED/PSP/02	
3	Set up for checking Characteristic and Operation of PARALLEL FEEDER PROTECTION. (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/03	
4	Set up for checking Characteristic and Operation of PROTECTION OF INDUCTION MOTOR. (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/04	
5	Set up for checking Characteristic and Operation of OVER VOLTAGE AND UNDER VOLTAGE PROTECTION. (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/05	
6	Set up for checking Characteristic and Operation of COMPREHENSIVE PROTECTION OF TRANSFORMER. (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/06	

7	Set up for checking Characteristic and Operation of GENERATOR UNIT PROTECTION (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/07	
8	Set up for checking Characteristic and Operation of DISTANCE PROTECTION FUNCTION. (NUMERICAL RELAY TYPE)	1	PDPU/SOT/EED/PSP/08	
9	Set up For SCADA SYSTEM FOR THE ABOVE PROTECTION SYSTEMS Setups HAVING IEC 61850 OPEN PROTOCOL.	1	PDPU/SOT/EED/PSP/09	
10	FULLY AUTOMATIC 3-PHASE RELAY TESTING KIT.	1	PDPU/SOT/EED/PSP/10	
11	110 VDC MAINTENANCE FREE BATTERY BANK WITH SUITABLE CHARGER SYSTEM.	1	PDPU/SOT/EED/PSP/11	




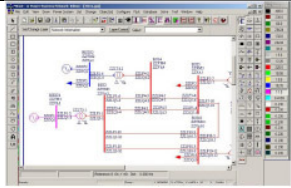
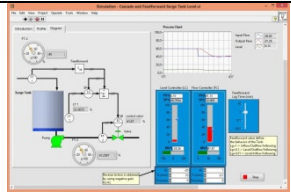
13. ELECTRICAL & ELECTRONICS ENGINEERING MATERIALS LABORATORY

Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Measurement of energy band of semiconductor diode	1	PDPU/SOT/EE/EEEM-6	 <p>The image shows a black panel with a circuit diagram and a central cylindrical component. The text 'Semiconductor Energy Band Gap Measurement Trainer' is visible at the top.</p>
2	study of diode characteristics with rectification and filter circuit	1	PDPU/SOT/EE/EEEM-8	 <p>The image shows a black panel with a circuit diagram of a diode rectifier and filter circuit. The text 'Diode Characteristics Trainer' and 'NV6501' are visible at the top.</p>
3	Laser diffraction through grating	1	PDPU/SOT/EE/EEEM-14	 <p>The image shows a black rectangular device with a label that reads 'LASER Light Source NV654'. A bright laser beam is visible emerging from a vertical tube on the right side.</p>
4	Four Point probe method for resistivity measurement	1	PDPU/SOT/EE/EEEM-2	 <p>The image shows a blue and white control panel for a four-point probe set. It features a 'CONSTANT CURRENT SOURCE 0-20mA' knob, a digital display, and various input/output terminals. The brand name 'OMEGA' and model 'TYPE ES-246' are visible.</p>

5	Susceptibility of Paramagnetic materials by quick Method	1	PDPU/SOT/EE/EEEM-4	
6	e/m measurement by Thomson method	1	PDPU/SOT/EE/EEEM-5	
7	Study of thermocouple	1	PDPU/SOT/EE/EEEM-13	
8	Transition temperature of YBCO superconductor	1	PDPU/SOT/EE/EEEM-10	
9	Measurement of Dielectric constant of various materials	1	PDPU/SOT/EE/EEEM-12	

14. MODELING & SIMULATION LABORATORY:

Detailed list of instruments:

Sr. No	Name of Item	Qty	Dead Stock Number /Asset Number	Image
1	NI Compact DAQ – Hardware Platform	2	PDPU/SOT/MSL/Hardware/2012/4	
				
2	NI PXI – Hardware Platform	1	PDPU/SOT/MSL/Hardware/2012/5	
3	Mi-Power	1(Licenses 10)	PDPU/SOT/MSL/Software/2012/1	
4	NI LabView One Academic Site License(50) User Licenses	1(User 50)	PDPU/SOT/MSL/Software/2012/2	
5	NI Multisim(25) User License	1(User 25)	PDPU/SOT/MSL/Software/2012/3	