

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

JSS ACADEMY OF TECHNICAL EDUCATION

JSS Campus, Uttarahalli-Kengeri Main Road, Bangalore - 560060.

EQUIPMENT LIST OF POWER ELECTRONICS LABORATORY

SL NO	EQUIPMENT NAME	QTY	MAKE / NAME OF SUPPLIER	SR BOOK PAGE NO	BILL NO & DATE	AMOUNT	REMARKS
01	DUAL TRACE OSCILLOSCOPE	14	SCIENTECH: 20MHZ, 10/10 (FRAX) SCIENTIFIC: 30MHZ, 8/10 (FRAX)	38,51	94/ 5-11-98 321/ 3-12-2001	18570 20000	2 NOS TO BE TRACED
02	POWERSCOPE 522	05	SYSTRONICS	38	437/ 21-5-99	19820	-
03	SOLATION TRANSFORMER	08 8/10	FRAX ELECTRONICS	22	85/ 8-7-98	4700	2 TRANSFERRED TO NOIDE ENG COLLEGE, UP ON 7/3/99
04	DC REGULATED POWER SUPPLY (0-32V/2A) (SINGLE)L3201	04 04/10	APLAB	09 (4/10)	911517/10-2-99	40000	3 IN AC LAB(4+3+4)=10
05	DC REGULATED POWER SUPPLY (0-32V/2A) (SINGLE)L3202	06 6/10	APLAB	78,9	52511249/17-2-2006	5999	1 CIVIL DEPT ,3 AC LAB 6+3+1=10
06	MULTIOUTPUT DC REGULATED POWER SUPPLY	09 9/10	UNOTRON	09	0073898/3-8-98	8450	VERIFY FOR WORKING 1 NOS TRANSFERED TO ITC TALAVADI
07	9 IN 1 TEST LAB MODEL 4049	01	APLAB	14	21511212/24-12-2001	36987	USED
08	DIGITAL MULTIMETER DM-375	07/13	MOTWANE	02	219/17-06-2000	2350	AC-02 PE-07 LD-2=11/13 2 NOS TO BE TRACED
09	DIGITAL MULTIMETER M-830BZ	01	MASTAK	01			NOT IN SR(DONATED) BY STUDENTS
10	0-300VDC POWER SUPPLY	02	UNOTRON	09	007/3-2-98	10470	1 NO NOT WORKING
11	0-300V DC POWER SUPPLY	02	APLAB	12	21511266/4-2-2002	26261	2 NOT WORKING

12	0-300V DC POWER SUPPLY	01 01/02	LIFE ELECTRON	09	194/29-2-2000	9500	1 NOT WORKING 1 NO TRANSFERRED TO JSSITC CH.NAGAR
13	RHEOSTATS 1000 ohm 0.6A 3900 ohm 0.3A 400 ohm 1.7A 1000 ohm 1.2A	05 04 08 01/08	KAMAL ELECTRONIC	76 11 11 11	0042/9-1-2006 0042/9-1-2006 0042/9-1-2006 KE/IE980173/2-9-98	1250 1248 2221 2058	IN 1000Ω 1.2A 2 NOS TO IT DEPT. 2 NOS TO JSSITC CH.NAGAR 2 NOS TO PHY DEPT.
14	DIMMERST AE-01+ARGO-1+FRAX-06	08 08/11	FRAX-230V,4A(06) AE-01,5A ARGO-01,2A	05	321/3-12-2001 980175/ 6-9-98 106/16-3-99	1750 4836 900	02 IT 01 JSSITC TALAVADI
15	SCR TRIAC AND DIAC CHARACTERISTIC MODULE	04	FRAX ELECTRONIC	48	321/3-12-2001	3700	
16	IGBT CHARACTERISTIC STUDYUNIT	04	FRAX ELECTRONIC	48,	321/3-12-01	6700	
17	UJT FIRING CIRCUIT	04	FRAX ELECTRONIC	48	321/3-12-01	1600	
18	GATE-TURN OFF THYRISTOR CHARACTERISTIC	01	FRAX ELECTRONIC	8	354/29-1-2002	11270	
19	SCR AND TRIAC TESTER	01	FRAX ELECTRONIC	18	4240/16-7-98	550	
20	OSCILLATORYCHOPPER FIRING CIRCUIT FOR CHOPPER POWER CIRCUIT	02	LIFE ELECTRONICS	48	194/29-2-2000	4800	
21	RESISTANCE TRIGGERNG FOR THYRISTOR	02	LIFE ELECTRONICS	47	171/26-7-99	1500	
22	DIODE MODULE	15	LIFE ELECTRONICS	46	161/21-6-99	300	
23	DIAC MODULE	03	LIFE ELECTRONICS	46	161/21-6-99	300	
24	MOSFET MODULE	04(3+1,N OT IN SR)	LIFE ELECTRONICS	46	161/21-6-99	350	3NOS IN SR WE HAVE 4NOS

25	SCR MODULE	15	LIFE ELECTRONICS	46	161/21-6-99	300	
26	TRAIC MODULE	03	LIFE ELECTRONICS	46	161/21-6-99	300	
27	SPEED CONTROL OF DC MOTOR USING SCR	02	LIFE ELECTRONICS	47	173/3-9-99	16600	ONLY MOTOR IS IN LAB CONVERTER SET TREANSFER TO JSSITC CH.NAGAR
28	FULLY CONTROLLED CONVERTER POWER CITCUIT WITH FIRING MODULE	03	FRAX ELECTRONICS	48	321/3-12-01	6550 2645	OLD MODULE
29	HALF CONTROLLED CONVERTER POWER CIRCUIT WITH FIRING MODULE	03	FRAX ELECTRONICS	48	321/3-12-01	5000 2645	OLD MODULE
30	DC-CHOPPER POWER CIRCUIT WITH FIRING CIRCUIT UNIT	04 (2+2 (FC))	FRAX ELECTRONICS	48	321/3-12-01	6025 2800	
31	FORCED COMMUTATION STUDY UNIT	01	FRAX ELECTRO SUSTEM	68	659/30-12-2004	7700	OLD MODULE
32	PARALLEL INVERTER	04	FRAX ELECTRO SUSTEM	48	321/3-12-01	6750	
33	SERIES INVERTER	04	FRAX ELECTRO SUSTEM	48	321/3-12-01	6250	
34	UNIVERSAL MOTOR	01	FRAX ELECTRO SUSTEM	68	659/30-12-2004	4700	
35	TACHOMETER	01	SYSTEMS(6179 SL NO) KUSAM ELECTRICAL	27	1016/19-10-98	1400	
36	ELECTRONIC COMPONENT TESTER (LINEAR 20PIN IC TESTER)MMECT20	01	MINMAX	18	481/3-6-2003	12885	TO BE SERVICED
37	0-500ma AE MAKE	01/02	AE	4	08/19990122/3-8-99	1234	PE
38	FORCE COMMUTATION CIRCUIT	03	PRAGNA MICRODESIGN	127	220/21-11-2013	7214	NEW MODULE

39	DC CHOPPER MODULE WITH FIRING UNIT	02	PRAGNA MICRODESIGN	126/127	220/21-11-2013	4408+2805	NEW MODULE
40	SINGLE PHASE FULLY CONTROL MODULE WITH FIRING UNIT	02	PRAGNA MICRODESIGN	127	220/21-11-2013	6408+2805	NEW MODULE
41	0-100mA DESKTOP	05/05	MECO KAMAL	79(5)	02/ 20050474 /7-2-2006	465	PE
42	0-250ma EIC MAKE	05/05	EIC	4	985251/2-11-98	1245	PE
43	0-500mA EIC	08	EIC		NOT IN SR		May be we have got this along with SCR/MOS/IGBT gate study module
44	0-15V EIC 0-50V (DESKTOP)	04 07	EIC EIC		NOT IN SR		May be we have got this along with SCR/MOS/IGBT gate study module
45	POWEROSCILLOSCOPES 20 MHZ DUAL CHANNEL	05	APLAB	117	11510263/29-2-12	102375 (5NOS)	NEW
46	0-25mA DESKTOP	05/05	MECO KAMAL	79(5)	02/ 20050474/7-2-2006 KE/IE/09/ 20040195/30-9-2004	465	
	0-25mA DESKTOP	5/5	MECO KAMAL	20(5)		460	
47	0-50mA DESKTOP	5/05	MECO KAMAL	79(5)	02/ 20050474 /7-2-2006 KE/IE/09/ 20040195/30-9-2004	465	
	0-50mA DESKTOP	5/5	MECO KAMAL	20(5)		460	
48	0-500µA MECO, DESKTOP	03/03	MECO KAMAL	3,4	985251/2-11-98	1200	PE
49	0-100 µA, MECO, DESKTOP	02/02	MECO KAMAL	3	982382/19-11-98	463	
50	0-150/300V AC, EIC	03/05	EIC	31	321/3-12-2001	1290	2 NOS TO JSSITC CH.NAGAR
51	0-25ma (VERTICAL METER)	05/05	EIC	3	321/3-12-2001	1245	
52	0-100V DC(VERTICAL METER)	02/05	EIC	31	321/3-12-2001	1035	3 NOS TO JSSITC CH.NAGAR
53	0-250mA (VERTICAL METER)	05/05	MECO KAMAL	79(5)	02/20050474/7-2-2006	465	

54	0-100mA (VERTICAL METER)	05/05	EIC	4	321/3-12-2001	1245	
55	0-50V , DC(VERTICAL METER)	05/05	EIC	31	321/3-12-2001	1035	
56	0-10V , DC(VERTICAL METER)	04/05	EIC	31	321/3-12-2001	1035	1(BREAKAGE)
57	0-5A,DC(VERTICAL METER)	02/05	EIC ,FRAX	4	321/3-12-2001	1040	1(BREAKAGE) 3 NOS TO JSSITC CH.NAGAR
58	0-25/50ma (VERTICAL)	04/4	AE,KAMAL	3	985251/2-11-98	1200	PE (DOUBLE RENGE)
59	0-250/500ma(VERTICAL)	02/04	AE,KAMAL	3	985251/2-11-98	1200	PE(EC-2),2 NOS TO JSSITC CH.NAGAR
60	0-500 μ A (VERTICAL)	01/01	AE ,KAMAL WITH KIT	4	08/19990122/3-8-99	1234	1 NO TO JSSITC CH.NAGAR
61	0-50/100ma AE	03/04	AE,KAMAL	3	985251/2-11-98	1200	1 NO TO JSSITC CH.NAGAR
62	0-50 μ A AE	01/04	AE	3	985251/2-11-98	1200	1 NO TO JSSITC CH.NAGAR 1 NO TO JSS POLYTECHNIC,MYSORE
63	0-100 μ A AE	00/04	AE	3	985251/2-11-98	1200	4 NOS TO JSS POLYTECHNIC,MYSORE
64	0-100ma DC AE	02/02	AE	4	985251/2-11-98	1234	
65	0-200ma AE	01/02	AE	4	985251/2-11-98	1234	1 NO TO JSS ITC CH.NAGAR
66	CLAMP METER CLIPON METER	01/01	MECO,FRAX	2	125/5-6-99	2700	
67	ANALOGMULT METER 0-2500,0-10AMP/DC-AC	01/02	MOTWANE (KAMAL)	01	18/980/50/13-8-98	7500	1 TRANSFER TO JSSITC TALAVADI BY MR.PATIL
68	RAMP&PAEDESTAL FIRING UNIT	04	FRAX	48	321/3-12-01	2700	
69	0-300V,DC	02/05	EIC	31	321/3-12-2001	1080/-	3 NOS TO JSS ITC CH.NAGAR
70	0-1A EIC, DESKTOP	01	EIC	3			NOT IN SR

71	0-5A/10A DC DESKTOP	00/06	EIC	3	985251/2-11-98	1200/-	4-IT, 1 NO TO JSSITC CH.NAHAR 1 NO TO JSS POLYTECHNIC MYSORE
72	0-5A/10A MI AC	00/06	AE,MI	3	985251/2-11-98	1200/-	4-IT,2 NOS TO JSS POLYTECHNIC MYSORE
73	½ Amp MI	00/02	AE,MI	3	985251/2-11-98	1017/-	2-IT
74	0-100 µA AE	01/02	AE	4,8	985251/2-11-98	1234/-	1 NOS TO JSSITC CH.NAGAR
75	0-25 A DC AE MAKE	00/01	AE	4	985251/2-11-98	1234/-	
76	0-½A, EIC AC	00/05	EIC	4	985251/2-11-98	1310/-	3 NOS TO JSSITC CH.NAGAR
77	0-5A, EIC AC	02/05	EIC	4	08/19990321/3-12- 2001	2600/-	3 NOS TO JSSITC CH.NAGAR
78	0-25mA EIC	4	EIC				MAY BE WE HAVE GOT THIS ALONG WITH SCR/MOS/IGBT GATE STUDY MODULE
79	UJT TRIGGERING FOR THYRISTOR	02	LIFE ELECTRONICS	48	194/29-02-2000	3000	TO JSS ITI CH-NAGAR
80	ILLUMINATION CONTROL USING DIAC	02	LIFE ELECTRONICS	48	194/29-02-2000	1750	TO JSS ITI CH-NAGAR
81	ILLUMINATION CONTROL USING TRIAC	02	LIFE ELECTRONICS	48	194/29-02-2000	1800	TO JSS ITI CH-NAGAR
82	ISOLATION TRANSFORMER	02	LIFE ELECTRONICS	46	161/21-0699	2800	TO BE TRACED
83	DIAC CHARACTERISTICS STUDY MODULE	2	LIFE ELECTRONICS	46	165/28/6/99	1400	TO JSS ITI CH-NAGAR
84	SCR CHARACTERISTICS STUDY MODULE	2	LIFE ELECTRONICS	46	165/28/6/99	1400	TO JSS ITI CH-NAGAR
85	TRIAC CHARACTERISTICS STUDY MODULE	2	LIFE ELECTRONICS	46	165/28/6/99	1400	TO JSS ITI CH-NAGAR
86	MOSFET CHARACTERISTICS	2	LIFE ELECTRONICS	46	165/28/6/99	1400	TO JSS ITI CH-NAGAR

	STUDY MODULE						
87	LAMP LOAD MODULE	3	LIFE ELECTRONICS	46	165/21-6/99	150	AVAILABLE
88	SCR CONTROL BY UJT RELAXATION CIRCUIT	2	LIFE ELECTRONICS	47	171/26/7/99	2100	TO JSS ITI CH-NAGAR
89	SPEED CONTROL OF DC MOTOR	2	FRAX	68	659/ 30-12-2004	8800	
90	AC REGULATOR	04	FRAX	12	321/ 3-12-01	2600	
91	a)INTEGRATED THYRISTOR CONTROL ITC-08 b)DIGITAL FIRING CIRCUIT	01	FRAX	68	659/ 30-12-04	16750	
92	RC TRIGGER FOR THYRISTOR	02	LIFE	47	171/ 26-7-99	1500	
93	SINGLE PHASE AC POWER REGULATORFOR AC FAN SPEED CONTROLLER WITH TRIGGERING CIRCUIT	02	LIFE	46	165/ 28-6-99	4000	
94	HALF CONTROL BRIDGE RECTIFIER WITH FWD POWER MODULE	02	LIFE	47	173/ 3-9-99	4500	JSSITI CH NAGAR
95	TRIGGERING CIRCUIT FOR HWR	00/02	LIFE	47	171/ 26-7-99	1600	JSSITI CH NAGAR
96	FULL CONTROLLER BRIDGE RECTIFIER WITH FWD POWER MODULE	00/02	LIFE	47	171/ 26-7-99	4500	JSSITI CH NAGAR
97	TRIGGERING CIRCUIT FOR FULL BRIDGE RECTIFIER	00/02	LIFE	47	171/ 26-7-99	4500	JSSITI CH NAGAR
98	WATT METER 125/250W (LPF)	00/04	LIFE	33	98027 / 12-11-98	3904	05-JSSITC TALAVADI(2-UPF,3-LPF)
99	AC/DC WATTMETER UPF	00/06	LIFE	33	1678	1742	02-JSSITC,CH.(1-UPF,1-LPF) 03-TRANSFER TO JSS

							POLYTECHNIC MYSORE(3-UPF)
100	THREE PHASE 5KVA DIMMERSTAT AE MAKE	00/01	AE	5	4129/20-7-98		TRANSFER TO JSS POLYTECHNIC MYSORE
101	0-2.5 A DC	00/01	AE	4	08/19990122/3-8-99	1234	TRANSFER TO JSSITC TALAVADI
102	0-100V DC	00/03	AE	31	08/19990122/3	1234	TRANSFER TO JSSITC TALAVADI
103	0-250V DC	00/06	AE	31	08/19990122/3	1234	TRANSFER TO JSSITC TALAVADI
104	0-500V DC	00/04	AE	31	08/19990122/3	1234	TRANSFER TO JSSITC TALAVADI
105	0-300/600V DC	00/04	AE	31	08/19990122/3	1234	1 NO TRANSFER TO JSSITC TALAVADI 3 NOS TRANSFER TO JSS POLYTECHNIC MYSORE
106	SPST 30A KNIFE SWITCH	00/06	ELECTONICS AGENCIES	45		1080	TRANSFER TO JSSITC TALAVADI
107	LAMP LOAD MODULE	00/01					TRANSFER TO JSSITC TALAVADI

VLSI & Micro controller Lab

SI No	Equipments List	Name of the supplier	Quantity	Page No in Main Stock Book
1	ALS-SDA-89C 61*2 Flash Program Evaluation Board	Advanced Elec.Sys.	20	90
2	Power supply(5V,1.5A)	Advanced Elec.Sys.	20	90
3	ALS-NIFC 49 RTC,LCD & Keypad I/F	Advanced Elec.Sys.	2	90
4	ALS-NIFC 09 Keyboard I/F	Advanced Elec.Sys.	2	90
5	ALS-NIFC 47 Temp.controller Interface Module	Advanced Elec.Sys.	2	90
6	ALS-NIFC 06A DUAL DAC I/F	Advanced Elec.Sys.	2	90
7	ALS-NIFC 17 Elevator interface Module	Advanced Elec.Sys.	2	90
8	ALS-NIFC 07A 8 Bit ADC Interface Module	Advanced Elec.Sys.	2	90
9	ALS-NIFC 53 DC Motor control interface	Advanced Elec.Sys.	2	90

10	Keil PKST Software C51 Professional Developer Kit V.8	Embedded Systems Solutions Pvt. Ltd.	04 users	88
11	Lab Volts _PIC Micro starter pack Model-48001	Rising Edge Systems Pvt. Ltd	1	96
12	Lab Volts Mobile Communication Trainer with GPS Module Model-48003	Rising Edge Systems Pvt. Ltd	1	96
13	Arcoms -Embedded Development system Intel Arm PXA 255X Scale Based	Rising Edge Systems Pvt. Ltd	1	96
14	Embest University	Rising Edge Systems Pvt. Ltd	1	96
15	Cadence EDA Tools	VTU	05 users	90,91
16	Microwind Package,Hard ware Donglebased Network PC based licence for multiple user	Ni Logics Pvt. Ltd.Pune	unlimited	81
17	Cadence EDA Tools- Renewal-1	FDP Infocomm	20 users	108
18	Computer 2.4 Ghz 1GB RAM 80 GB HDD	HCL	01	92
19	With Monitor and speaker in monitor			
20	Intelligent Universal Programmer-ESAIUP-XP(LT-48XP)	ESA	01	65
21	ALS-NIFC-O1A Stepper Motor INTERFACE module with motors	Advanced Elec.Sys.	4	102
22	ALS-NIFC-41 TEMP. MEASUREMENT INTERFACE	Advanced Elec.Sys.	2	102
23	ALS-NIFC-O9 Keyboard DISPLAY INTERFACE	Advanced Elec.Sys.	4	102
24	ALS-NIFC-45 Keypad and LCD I/F	Advanced Elec Sys	4	102
25	ALS-NIFC-O6A DUAL DAC I/F	Advanced Elec.Sys.	4	102
26	ALS-NIFC-55 DC MOTOR INTERFACE	Advanced Elec.Sys.	4	102
27	ALS-NIFC-07 8 Bit ADC INTERFACE	Advanced Elec.Sys.	4	102
28	ALS-NIFC-17 ELEVATOR INTERFACE	Advanced Elec.Sys.	2	102
29	Optional Programmer-Buildmet PIC Start Plus Development Programmer.	Advanced Elec.Sys.	2	50
30	PIC Microcontroller Board	Advanced Elec.Sys	4	50
31	Optional ICD for 16F877	Advanced Elec Sys	01	50
32	8251A/8253 Study Card	Advanced Elec Sys	01	64

33	8085 CPU Card			
		Advanced Elec Sys	10	64,67
34	8086 CPU Card	Advanced Elec Sys	02	67
35	8051 CPU Card	Advanced Elec Sys	06	67
36	Keil PK 51 C51 Professional Developers Kit	ESA-10 USERS	10	110
37	MSP 430FG4618 Experimenter Board.Debugging interface workbench kit starter version and interfacing.Interfaces are 5 sets and one set is provided free of cost. A) Stepper Motor B) D.C Motor interface C)LCD Display D) Keypad E) 7 Segment Display F) ADC/DAC is on chip	Cranes software	10	120/121
38	10 KVA UPS	Power one Microsystems	02	115,118/119
39	Cadence Software Renewal-2	25 user and 1 server	26	126
40	Red Hat Enterprise Linux Desktop Academic Edition 1 Year Subscription	Pragathi Infotech	26	126
41	MSPFET 430UIF –Donated by TI India Program	TI	06	Donated by TI
42	NIFC-07 ADC INTERFACE Module	Advanced Elec Sys	02	64
43	NIFC-07 ADC INTERFACE Module	Advanced Elec Sys	02	67
42	1.ALS-SDA-ARMCTXM3-01 ARM CORTEX M3 EVALUATION BOARD		10	132
	2. Stepper Motor		10	
	3.DC Motor		10	
	4. Graphics LCD		10	
	5. RS 232 CABLE		10	
	6.B' TYPE CABLE		10	
	7. FLYING LEADS		100	
	8.10 CORE FRC CABLE (10")		40	
	9.PEN DRIVE(4GB)		10	
	10. 3 WAY TO 9 PIN CABLE		10	
	11.MANUAL		20	
	12.SOFTWARE CD		02	
	13.(9 PIN POWER CABLE)	Advanced Elec Sys 10		

Equipments List in Communication Lab

Room No: 204

Sl. No.	Name of the item	Qty	Make	Name of the supplier	Stock Register Page No.	Bill no.	Remarks
1	50 Mhz Color DSO, 050C5 Sl. no. 022, 099, 211, 241, 254, 292, 368	07	Falcon	Falcon Electrotek Pvt. Ltd.	110 (2 Nos.), 120(5 Nos.)	FTTK/10-11/368/23-3-11(02 Nos.) FETK/12-13/0004-11/4/2012(05 Nos.)	
2	25 Mhz Color DSO ,025C2 2221, 2467 & 1965	03	Falcon	Falcon Electrotek Pvt. Ltd.	120		1965 To be Serviced Display Problem
3	Solid State Klystron Power Supply KPS4 & KPS3	02	Scientific Microwaves	Scientific Microwaves	122	004/17-04-2012 13,870/-Per Unit	
4	Slotted Line with tunable probe	02	Scientific Microwaves	Scientific Microwaves		004/17-04-2012 12,826/-Per Unit	
5	Advanced Fibre Optic Communication Trainer Link-B(Cable, connecting wire, jig) set	02	Falcon	Akademica Lab Solutions	128	ALS/13-14/0212/21-11-2013	
6	DPSK Modulation and Demodulation kit ALS-CT-10	02	ALS	Advanced Electronics Systems	112	844/26-03-2011	
7	QPSK Modulation and Demodulation Kit(02) ALS-CT-13	02 Sets	ALS	Advanced Electronics Systems		844/26-03-2011	
8	PCM Communication Using CODEC	2 Sets	ALS	Advanced Electronics Systems		844/26-03-2011	
9	DSO 60MHz,2 Channel Model-TDS-1002	1	Tektronik	Arts Agencies	70	138/7-11-2005	
10	DSO 60MHz,2 Channel Model-TDS-1002B	4	Tektronik	Arts Agencies	84	2933/22-3-2007	
11	CRO 20 MHz LG 5020	4	LG	PAN Electronics	73	122/24-11-2005	3 Nos. Cannot be repaired.

12	PAM/PPM/PWM Modulator & Demodulator	1	Digitronics	Digitronics	76	0042/9-01-2006	Can be used for demo
13	RF Power Meter 210	2	Textronix	Digitronics		0042/9-01-2006	Not Compatible with Present Microstrip Modules-hence Obsolete
14	Function Generator 5030-4	8	Scientific	Universal System	74	4899/6-12-2005	
15	Analog and Digital IC tester Minmax MME-ADIT40	1	Minmax	Minmax	86	2093/28-03-2007 21,971/-	Not Working- Obsolete cannot be repaired try for repairing
16	Fiber Optic Training Lab(Old)	3 Sets	Falcon Electrotek Pvt.Ltd.	Falcon Electrotek Pvt.Ltd.	62(01 Set), 63(02 Sets)	036/13-06-2002(01 Set), 75,600/- 023/8-5-2003(02 Sets), 1,72,002/-	Can be Used & are in use.
17	Radio Receiver Kit	2	Digitronics	Digitronics	19	03729/9-9-2003	Bangalore University Syllabus not in use can be discarded
18	SSB Modulator	2	Digitronics	Digitronics	19	03729/9-9-2003	Not in use
19	Audio GeneratorAG-72, (QPSK & DPSK signal generator)	4	Digitronics	Digitronics	19	03729/9-9-2003	Not in use
20	QPSK Module	2	Digitronics	Digitronics	19	03729/9-9-2003	Not in use
21	DPSK Module	2	Digitronics	Digitronics	19	03729/9-9-2003, 92,000/-	Not in use
22	QPSK Modulator & Demodulator	1	Digitronics	Digitronics	62	03609/6-6-2009, 6,500/-	
23	DPSK Modulator & Demodulator	1	Digitronics	Digitronics	62	03609/6-6-2009,6,500/-	
24	DC Power Supplies LD3202 DUAL	8	Aplab	Aplab	10	21511258/25-1-2002, 11,629/- per unit	
25	60MHz 2 Channel DSO TDS-210 BO97404,BO94226,(B074374,	6	Tektronik	Arts Agencies	51	023/25-07-2000 81,698/- Per Unit	02 Nos. Working, 04 Nos. Not Working

	BO94219,BO94224,BO942005)						
26	20 MHz Dual Trace Oscilloscope Model-OS5020P 5020050002, 0010041, 5020050016 (5020050008, 2010015, CL/CRO3/38)	6	Philips	Frax	38	0217/3-5-2000 21,000/- per Unit	3 Nos. Working, 3 Nos. Cannot be Services
27	20 MHz, 20Vpp, 20db, F.G. Model-2219U	8	Aplab	Aplab	42	32511039/6-6-2003 10,476/- per Unit	05 Nos. Working, 03 Nos. Can be Serviced
28	1 MHz, 20Vpp,F.G.Model 2014D	2	Aplab	Aplab	44	21511293/12-02-2002 7,504/- per Unit	01 no. Working, 01 no. Can be serviced
29	1 MHz, 20Vpp,+/-5V offset F.G. with AM/FM Model-1014	5	Systronics	Frax	07	219/17-06-2000 13,000/- per Unit	Can be used for AC Lab
30	Pulse Generators Model-1130	3	Systronics	Frax	60	319/320/9-11-2001 10,400/- per Unit	Can be used after servicing
31	Single DC Regulated Power Supplies 0-32V/2A Model L-3201(3 Nos.) & L-3202(04 Nos.)	7	Aplab	Aplab	09 78	911517/10-2-99, 4,000/- per unit 525112491/17-2-2006, 5,999/-	1 supply given to smt. Hema of civil Dept(L3202)
32	Digital IC Trainer Kits 4 mm terminals	3	Frax	Frax	35	191/10-1-2000, 7,000/- per unit	Transferred from LD lab
33	Digital Multimeters DM-375(2), HT24(4)	6	Motwane(2) CE/EMCLVD-4/5)	Frax	02 24	2945125/5-6-1999, 003/23-12-2004	
34	Klystron Power Supply Model-LMKP-600	2	Lambda	Lambda	52		1 no. with bench, 1 no. separate totally-02 no.s, Not working, cannot be repaired
35	Gun Power Supply Model-LMG-311	2	Lambda	Lambda	52		1 no. with bench, 1 no. separately, Not in use for present syllabus
36	VSWR meter Model-LMV-20	2	Lambda	Lambda	52,53		1 no. with bench, 1 no. separately

37	Klystron mount & tube Isolator	3	Lambda	Lambda	52		Not in use, can be discarded, cannot be repaired
38	Gun Oscillator	1	Lambda	Lambda	52		Not in present syllabus hence not used
39	PIN modulator	1	Lambda	Lambda	52		Not in present syllabus hence not used
40	Isolator	2	Lambda	Lambda	52		Not in use
41	Circulator	3	Lambda	Lambda	52		Not in use
42	Variable Attenuator	2	Lambda	Lambda	52		It cannot be used
43	Fixed Attenuator	2	Lambda	Lambda	52		It is used presently
44	Frequency Meter	3	Lambda	Lambda	52		2 Nos. Purchased, 01 No. with bech, all three used
45	Movable Short Slotted line section	2	Lambda	Lambda	52		Cannot be repaired hence discard it
46	Matched termination	2	Lambda	Lambda	52		
47	Sliding termination	2	Lambda	Lambda	52		
48	Wave guide detector	2	Lambda	Lambda	52		
49	Detector broadband	2	Lambda	Lambda	52		
49(a)	Direct frequency meter	3	Lambda	Lambda	52		
49(b)	Waveguid stand with Flanges	2	Lambda	Lambda	53		
50	Detector with flanges on both sides	2	Lambda	Lambda	52		
51	Directional Coupler	4	Lambda	Lambda	52		
52	Cross Coupler	2	Lambda	Lambda	53		
53	Magic Tee	4	Lambda	Lambda	53		

54	Tee E-plane	2	Lambda	Lambda	53		
55	Tee H-plane	2	Lambda	Lambda	53		
56	EH tuner	2	Lambda	Lambda	53		Not in use for present syllabus
57	Antenna Horn 22db	4 Sets (8 Nos.)	Lambda	Lambda	53		
58	Antenna Horn 16db	2	Lambda	Lambda	53		
59	Sectorial E Antenna	1Set	Lambda	Lambda	53		
60	Sectorial H Antenna	1	Lambda	Lambda	53		Not Used
61	Parabolic Antenna Dipole	2	Lambda	Lambda	53		Not Used
62	Parabolic antenna Horn Feed	2	Lambda	Lambda	53		Not Used
63	MIC Patch Antenna	2	Lambda	Lambda	53		Not Used
64	MIC Coupler	2	Lambda	Lambda	53		Not Used
65	Wave guide to Co-axial connector	2	Lambda	Lambda	53		Not Used
66	Slide screw tuner	2	Lambda	Lambda	53		Can be used
67	Serial bit Generator Parallel to Serial Converter	1	Digitronics	Digitronics	62	03609/6-6-2002 2,000/-	
68	3MHz Function Generator (Model 2009)	CL 5/06 1 AE Lab	ApLab	Aplab	07		
69	Microstrips (Ring Resonator(2), Power Divider(2), Direction Coupler(2), Branch line Coupler(2), Loads(4), Detector(2), Connector(3))	2Sets	GB Technology	Charan Technology	100	540/4-06-2009 3,50,000/-	

70	Microwave signal source (2),	2	GB Technology	Charan Technology	100		
71	VSWR Meter(2)	2	GB Technology	Charan Technology	100		
72	Antenna stands	2 Sets	GB Technology	Charan Technology	100		
73	Coaxial matchload	2	GB Technology	Charan Technology	100		
74	Power supplies(+/- 12V, 5v,30V)	10	ESA	ESA	49		3 no. not working
75	Power supplies(+/- 12V, 5v,30V)	05	ESA	ESA	86		2 no not working
76	Fans	2			43		

List of Equipments in AEC Labs

SL NO	EQUIPMENT NAME	QUANTITY	MAKE/NAME OF SUPPLIER	SR BOOK PG NO	BILL NO&DATE	AMOUNT	REMARKS
01	DUAL TRACE OSCILLOSCOPE TOATALPHILIPS=14 (AC,06,AEC,8)	14 (Philips-8,LG-6)	PHILIPS PHILIPS LG	37(4/10) 38(4/10) 73(6/10)	4211/24-5-99 2171/3-5-2000 122/24-11-2005 4/14IT,4/14AC, 6/14 AEC	24000 21000 16000	0S-5020(NOT WORKING-LG)
02	SIGNAL GENERATOR MSG 2M,H003MSGO-112094-103(2/10)-DSPLAB	08 (8/10)	APLAB (0-2MHZ)	116	11510263/29-2-2012	6500	
03	FUNCTION GENERATOR(20MHZ) (3/5 AC)0145146, 0145144 (2/5-AEC,5/5-AC)	02 2/5	APLAB-22194	43	21511212/24-12-2001	12180	
04	SINE/SQUARE GENERATOR (2/5-AC,3/5-AEC) 0202001,0202008, 0202012-AEC	03 (3/5)	APLAB-2014D	44	21511293/12-02-2002	7540	
05	FUNCTION GENERATOR(1MHZ)	10	SYSTRONICS-1012	06	990442/12-06-98	5300	02NO (WORKING) 08NO(NOT WORKING)
06	AF OSCILLATOR (SIGNAL GENERATOR-2MHZ, MODEL-PO-8,PECIFIC 1/6)	05 05/06	FRAX	68	659/30-12-2004	3320	5/6=AEC 1/6= (?) TO BE TRACED
07	AUTOCOMPUTE LCR-	02	APLAB 4910	14	21511212/24-	15602	USED

	Q METER 4910 0149198,0149206				12-2001		
08	PULSE GENERATOR 1/4 AC+3/4 AEC=4/4	03 1/4+2/2	SYSTRONICS	60(1/4) ,06(2/2)	319/320/9-11- 2001 990442/12-06- 98	10400 6930	NOT USED
09	DIGITAL DC MILLIAMMETER (PANNEL METER) (0-500ma-CHANGED TO 0-300ma- AFTER SERVICE)	10 10/10	DIGITRONICS	106	00024/28-8- 2009	95630	
10	DECADE RESISTANCE BOX 1Ω t0 1MΩ- 05NOS (28/32)	32 20/20, 5/5, 3/7(4=?)	FRAX ELECTONICS/ LIFE ELECTRONICS (BLACK)	128,60,11 60P=20 128P=05 11P=07(3)	319/320/9-11- 2001 1358/30-11013 161/21-6-99	1350 1750 1700	WORKING WORKING NOT WORKING (LIFE ELECTONICS) 4 TO BE TRACED
11	DECADE CAPCITANCE BOX 29/30	29 (20/20+5/5+5/5) (1=?)	FRAX ELECTONICS/ LIFE ELECTRONICS (BLACK)	128,60,15 60P=20NOS 128P=05 15P=05	319/320/9-11- 01 1358/30-11-13 161/21-6-99	1400 2000 1900	1 TO BE TRACED
12	DECADE INDUCTANCE BOX (30/30)	30 (20/20+5/5+5/5)	FRAX ELECTONICS/ LIF EELECTRONICS (BLACK)	128,60,13 60P=20NOS 128P=05 13P=05	319/320/9-11- 01 1358/30-11-13 161/21-6-99	1400 2000 2400	
13	FUNCTION GENERATOR 3MHZ 9916016(1/6AEC,5/6AC)	01 1/6	APLAB MODEL2009	07	911696 23-6-99	9164	
14	DCREGULATED POWER SUPPLY(0-32/2A) DUAL OUT PUT LD3202 AEC(07) AC(8)=15	12 7/7,5/5	APLAB	10(15) 12(5)	21511247/11- 1-2002 21511258/25- 1-2002 21511266/4-2- 2002	11629 11629 11629	

	5 NOS (AEC)=5 TOTAL =20						
15	DIGITAL MULTI METER DM-3750(BLACK)	7 7/10	MOTWANE	76	13698/28-11- 2005	2222	3NOS TO BE TRACED
16	DIGITAL STORAGE OSCILLOSCOPE 25MHZ 2298,2435,2481 3/10AEC+3/10AC+4/10 DSP=10/10	03 3/10	FALCON DSO (FALCON DSO- 025C2)	120	FETK/12/13- 004 /11-04-2012	13000	
17	MOTWANE ANLOG MULTIMETER 0-2500V(0-10AMP)/DC- AC	01/02 (EC) 01/02 (IT)	MOTWANE KAMAL	01	08/980/50/ 13-8-98	7500	
18	FREQUENCY COUNTER 550MHZ	01	APLAB	43	21511213/ 24/12/01	9298	JSSITC CHAMARAJANAGAR
19	MECO GALVONOMETER	01		07			TRANSFERED TO IT DEPT.
20	KELVIN DOUBLE BRIDGE	01		21			TRANSFERED TO IT DEPT.
21	WHEATSTONE BRIDGE	01		21			TRANSFERED TO IT DEPT.
22	DC POTENTIONMETE	01		21			TRANSFERED TO IT DEPT.
23	STANDARD CELL	01		21			TRANSFERED TO IT DEPT.
24	VRIABLE INDUCTANCE BOX	02		13			TRANSFERED TO IT DEPT.

Equipments List of HDL/DSP Lab

Sl. No.	Particulars	Stock Register Page.No. & Date	Name of the suppliers	Qty	Remarks	Sl. No. of Lab SR
1	MATLAB Version 6.0	54	Cranes S/W	10	Expired (2002)	1-7

	<ul style="list-style-type: none"> - SIMULINK 4.0 - Signal Processing tool box - Communication tool box - DSP Block sets - Symbolic math - Control System tool box 	30.12.2000	Instruments		The software details are available	
2	US-FND-EXP-PC-Xilinx Foundation Express Software	58 14.12.2000	Silicon Micro System	01 user	Available	08
3	US-FND-STD-PC Additional License of Xilinx Foundation Express (software)	61 14.12.2000	Silicon Micro System	09 users	Available	19
4	SIMS-CPLD-DB-CPLD- Demonstration /Evaluation Board	58 July 2001	Silicon Micro System	05 kits	Available	09
5	SIMS-FPGA-DB-FPGA Demonstration/ Evaluation Board	58 July 2001	Silicon Micro System	05 kits	Available	10
6	General purpose ADC with sensor I/F	66 10.11.2004	Silicon Micro System	01	Available	29
7	Digital I/P & O/P with read relay control		Silicon Micro System	01		30
8	DAC with buzzer & speaker O/P		Silicon Micro System	01		31
9	Seven segment with HEX keypad 4x4		Silicon Micro System	01		32
10	LCD 16 Character x1 line with HEX Keypad 4x4		Silicon Micro System	01		33
11	Matrix Display 25x14 dots Controller		Silicon Micro System	01		34
12	Graphic display I/F		Silicon Micro System	01		35
13	RTC with LCD display, 4 keys with memory		Silicon Micro System	01		36
14	Infrared Receiver & Transformer		Silicon Micro System	01		37
15	Stepper & DC motor with key pad		Silicon Micro System	01		38
16	Traffic light controller		Silicon Micro System	01		39
17	Elevator Simulator		Silicon Micro System	01		40
18	PF51 Microcontroller Development Board		Silicon Micro System	01		Available
19	'C' Compiler With Target Board	Silicon Micro System	01	Available	42	
20	UNIVERSAL VLSI BOARD CPLD & FPGA x C2S 200 ADAPTOR MODULE ADP 208-F2s 200 WITH FPGAXC2S 200	69 19.03.2005	Comtec (Mechatronics make)	02 kits	Available	50

	ADAPTOR MODULE ADP 84C108 WITH CPLDxC95108C84 US-ISE-FND-6.3I (SOFTWARE)					
21	TMS 320C 6713DSK with CCS	80 28.11.2005	Cranes S/W International	08 kits	Available	43
22	TMS 320C 5416DSK with CCS	80 28.11.2005	Cranes S/W International	04 kits	Available	44
23	CCS TMS 320 C6000 Full Version (software)	80 28.11.2005	Cranes S/W International	01	Available	45
24	Function generator 3Mhz Model: HM5030-4	74 06.12.2005	Scientific	02	Available	53
25	Universal CPLD/FPGA Trainer Board interface 64 Bits I/P 64 Bits O/P Stepper Motor Interface 6Kg.Cms LCD Display Interface ADC With Temperature sensor DC Motor Interface External Light control with relay Interface	84/85 10.04.2006	Comtec (Mechatronics make)	05 kits	Available	46
26	Universal FPGA Kit with 400k FPGA prom and interface kits (DC motor, Stepper motor, External Light control with relay Interface, Seven segment display)	98 06.03.2008	Sitech Electronics	12 kits	Available 11 interfacing modules are available (Seven segment display & DC motor)	47
27	Chip max Pattern Generator cum Logic Analyzer	98 06.03.2008	Sitech Electronics	02	Available	48
28	XILINX ISE 9.2 i s/w	98 06.03.2008	Sitech Electronics		Stock register entry is 9.2i but available is 9.1i	49
29	DSP kit TMS 320 VC 5402 PGE100 (Supplied at the seminar by Texas instruments)	55 27.03.2001	Cranes S/W International	04 kits	Available 3 Nos. of adaptors are available out of 4 Nos.	56
30	Digital Signal Oscilloscope Model: DSO-025C2 25Mhz 250Ms/s	120 11.04.2012	Falcon	04	Available	51
31	Signal generator 2Mhz Model: MSG2M	116 29.02.2012	Aplab	02	Available	52
32	PCI Parallel port Card (LPT Card)	124 & 125 15.04.2013	Cerebra Integrated Technologies Ltd.,	12	Available (Dell Systems)	55

			Bangalore			
33	DSP starter Kit (DSK) TMS320C6748 with Code Composer Studio	130 17.03.2014	Starcom Information Technology Ltd.	02	Available	54

HDL/DSP Lab Computer Details

Sl. No.	System No.	Monitor	Keyboard	Mouse	CPU	Operating system	DVD Read only/ read write
OLD Systems							
01	01	HCL with speaker (TFT)	HCL	HCL (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
02	02	HCL (TFT) 15”	HCL	HCL (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
03	03	HCL (TFT) 15”	HCL	Logitech (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
04	04	HCL (TFT) 15”	HCL	Logitech (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
05	05	HCL (TFT) 15”	HCL	Logitech (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
06	06	HCL (TFT) 15”	HCL	HCL (optical)	Intel ® core™ 2 Duo CPU, E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
07	07	HCL (TFT) 15”	HCL	HCL (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read
08	08	HCL (TFT) 15”	HCL	HCL (optical)	Intel ® core™ 2 Duo CPU E7300@2.66Ghz , HD – 149GB, 2.67Ghz, RAM – 1.99GB	Windows Xp Service pack - 2	Read

NEW Systems							
09	01	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
10	02	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics	Windows Xp (Paper license) 64 bit OS	No
11	03	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
12	04	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
13	05	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics	Windows Xp (Paper license) 64 bit OS	No
14	06	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
15	07	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	Read write
16	08	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics,	Windows Xp (Paper license) 64 bit OS	No

					Parallel port		
17	09	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
18	10	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
19	11	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, With ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
20	12	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, Without ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
21	13	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, Without ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
22	14	DELL (TFT) 17"	DELL	DELL (Optical)	Intel ® core™ i5-3470 CPU@3.20Ghz x 4, HD – 126GB, 4.88Ghz, RAM – 3.8GB, Without ODD & Graphics, Parallel port	Windows Xp (Paper license) 64 bit OS	No
OLD Systems							
23	09	HCL (CRT) 15"	HCL	HCL (optical)	Intel ® Pentium® 4 CPU 2.93GHz, RAM – 504 MB	Windows Xp Service pack - 2	No
24	10	HCL (CRT) 15"	HCL	HCL (optical)	Intel ® Pentium® 4 CPU 2.93GHz, RAM – 504 MB	Windows Xp Service pack -	No

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Equipment list of Logic Design Lab

Sl. No.	equipment list in Stock Register	Qty	Make	SR. Page no.	Bill No.	Amount	Remarks
1	Digital IC Trainer	27	Frax Electro System	77(10), 35(17)	788/31-01-06 5 Nos.-095/17-01-98 7 Nos.-191/10-1-2000 5 Nos.-219/17-6-200	48,500/- 51,058/- 35,000/-	03 Kits Transfer to AC Lab 22 Kits Have LD Lab 02 Kits Have AEC Lab
2	Digital IC Trainer	04	Pee Cee Enterprises	35	028/23-7-2003	27,948/-	
3	Digital IC Tester : MME –DIT-2040	01	Minimax	18	044/8-9-98	12,400/-	Not Working- Cannot be repaired
4	Digital Multimeter	02	Motwane	02	125/5-6-99	2,945/-	01 No.is Not Working
5	MPS-85	20	Electro System Associates	49,86/87	10 Kits Transferred from CSE 26-4-2000 05 Nos.-070/20-4-2000 5 Nos.-001/4-4-2007	29,500/- 17,250/- 15,300/-	These Equipments Presently not in use according to now Syllabus
6	ESA Dual DAC Interface Module	08	Electro System Associates	49(10+5),87(5)			
7	Calculator type keyboard interface IF-KBD	08	Electro System Associates	49(3),87(5)	03 Nos.-070/20-4-2000 05 Nos.-001/4-4-2007	2,400/- 3,720/-	
8	DAC for ADC & Temp interface Module	03	Electro System Associates	49	070/20-4-2000	2,100/-	
9	16 Channel 8 bit ADC I/F with 16 ADC	05	Electro System Associates	86	001/4-4-2007	6,975/-	
10	Logic Controller Module-LF-LC Module	03	Electro System Associates	49	070/20-4-2000	2,100/-	
11	4 digit 7 segment LED Display Interface Module	03	Electro System Associates	49	070/20-4-2000	2,100/-	
12	8259 Study Card	02	Electro System Associates	49	070/20-4-2000	1,900/-	
13	8085 CPU Card	5	Electro System Associates				
14	DC Power Adapter	3	Electro System Associates				

	i/p 110V-270V AC o/p 5V						
15	AC Adapter 230V AC 50 HZ 1Amp 12V DC	1	Zigma Gold				
16	ESA 85 Drivers	5	ESA Software Utilities				

Microprocessor Lab Equipments

Sl.No	Name of the Equipments	Qty	Make	Supplier Name	SR Page no	Bill No & Date	Amount	Remarks
1	STEPPER MOTOR INTERFACE	4	ALS	ALS	102	226/25.07.2009	11900	JSSATEB/EC/MP/STPN/01,02,03,04.IN mc lab 4no of s.m Interface NIFC-01A,From ALS(Recorded in page no.03 of mc ledger)
2	STEPPER MOTOR INTERFACE(OLD)	5	ESA	ESA	87	011/4.4.2007		JSSATEB/EC/MP/STPN/01,02,03,04,05.
3	4 DIGIT SEVEN SEGMENT LED DISPLAY INTERFACE	4	ESA	ESA	86	001/4.4.2007	3255	JSSATEB/EC/MP/SSD/01,02,03,04.
4	KEYBOARD WITH 7 SEG DISPLAY	2	ALS	ALS	67	266/25.07.2009	5300	JSSATEB/EC/MP/KEY/01,02.
5	LOGIC CONTROLLER	3	ALS	ALS				
6	ELIVATOR INTERFACE	2	ALS	ALS	67	266/25.07.2009	1520	JSSATEB/EC/MP/ELI/01,02.
7	5 VOLTS POWER SUPPLY	5	ALS	ALS	67	294/24.09.2004	4625	JSSATE/EC/MP/5PS/01,02,03,04,05.

8	12 VOLTS POWER SUPPLY	13	ALS	ALS	64	98/5.6.2003	17648	JSSATEB/EC/MP/12PS/01.02.03.04.05.06.07.08.09.10.11.12.13.
9	OLD PIC Mp BOARD	5	ALS	ALS	67	294/24.9.2004	22250	JSSATEB/EC/MP/PICO/01.02.03.04.05.
10	MC KIT 8051(LED DISPLAY)	5	ALS	ALS	50	498/31.01.2001		JSSATEB/EC/MP/MCK/01.02.03.04.05
11	BASIC UNIVERSAL Mp/Mc TRAINER KIT	6	ALS	ALS	67	294/24.09.2004	22800	JSSATEB/EC/MC/01.02.03.04.05.06.
12	ALS-SDA-HC11-68-MICRO CONTROLLER KIT	2	ALS	ALS	67	294/24.09.2004	22800	JSSATEB/EC/MC/01.02.
13	UNIVERSAL MICROPROCESSOR TRAINER KIT	4	ALS	ALS	64	098/5.6.2003	17648	JSSATEB/EC/MP/01.02.03.04
14	LIGHT INTENSITY CONTROL AND WAVE FORM GENERATOR BOARD	2	ALS	ALS	50	498/31.01.2002	976	JSSATEB/EC/MP/LED/01.02
15	MATRIX KEY BOARD & LCD AND SPEAKER	2	ALS	ALS	67	294/24.9.2004		JSSATEB/EC/MP/M KEY/01.02
16	ANOLOG INTERFACE	2	ALS	ALS	50	498/31.01.2002	2061	JSSATE/EC/MP/ANALOG/01.02
17	SERIAL PORT INTERFACE	2	ALS	ALS	50	498/31.0.2002	1682	JSSATEB/EC/CMP/SI/01.02.
18	PRINTER INTERFACE	2	ALS	ALS	50	498/31.0.2003	2170	JSSATEB/EC/CMP/PI/01.02.
19	UNIVERSAL PROGRAMMER KIT	2	ALS	ALS	50	498/31.0.2004	15460	JSSATEB/EC/CMP/UP/01.02.
20	E-PROM ERASER	2	ALS	ALS	50	498/31.0.2005	4665	JSSATEB/EC/CMP/EPROM/01.02.
21	8051 Mp DIGITAL I O CARD 24 LINES	10	ALS	ALS	112	844/26.3.2011	44267	JSSATEB/EC/CMP/IOC/01.02.03.04.05.06.07.08.09.10
22	LOGIC CONTROLLER MODULE IF/LC	3	ESA	ESA	49	070/11.5.2000	2100	JSSATEB/EC/CMP/LOG/01.02.03

23	4 DIGIT 7 SEGMENT LED DISPLAY INTERFACE	3	ESA	ESA	49	070/11.5.2001	2100	JSSATEB/EC/CMP/LOG/01.02.03
24	NIFC-01A STEPPER MOTER INTERFACE AND MOTER (3 KG)	2	ALS	ALS	90	23/12.4.2007	7900	JSSATEB/EC/CMP/STP/01.02.

AESD & PG LAB / R&D CENTRE COMPUTER DETIALS

Sl. No.	System No.	Computer Model	Item Description	CPU serial number	Monitor Serial number	Operating system
1	1	HP PRODESK 400 G2 MT PC	"	INA515T7PB	3CQ5022CN9	WINDOWS 8.1
2	2	HP PRODESK 400 G2 MT PC	"	INA515T7P0	3CQ51111Z5	WINDOWS 8.1
3	3	HP PRODESK 400 G2 MT PC	"	INA515T7PZ	3CQ51111YJ	WINDOWS 8.1
4	4	HP PRODESK 400 G2 MT PC	"	INA515T7PY	3CQ51112RJ	WINDOWS 8.1
5	5	HP PRODESK 400 G2 MT PC	"	INA515T7PX	3CQ5022CMJ	WINDOWS 8.1
6	6	HP PRODESK 400 G2 MT PC	"	INA515T7PW	3CQ51112RB	WINDOWS 8.1
7	7	HP PRODESK 400 G2 MT PC	"	INA515T7PV	3CQ51113DQ	WINDOWS 8.1
8	8	HP PRODESK 400 G2 MT PC	"	INA 515T7PT	3CQ51113GQ	WINDOWS 8.1
9	9	HP PRODESK 400 G2 MT PC	"	INA 515T7PS	3CQ51113GR	WINDOWS 8.1
10	10	HP PRODESK 400 G2 MT PC	"	INA 515T7PR	3CQ5022CNV	WINDOWS 8.1
11	11	HP PRODESK 400 G2 MT PC	"	INA515T7PQ	3CQ5030BOB	WINDOWS 8.1
12	12	HP PRODESK 400 G2 MT PC	"	INA515T7PP	3CQ51112P1	WINDOWS 8.1

13	13	HP PRODESK 400 G2 MT PC	"	INA515T7PN	3CQ51113DT	WINDOWS 8.1
14	14	HP PRODESK 400 G2 MT PC	"	INA515T7P1	3CQ5022CMT	WINDOWS 8.1
15	15	HP PRODESK 400 G2 MT PC	"	INA515T7P3	3CQ51112QZ	WINDOWS 8.1
16	16	HP PRODESK 400 G2 MT PC	"	INA515T7P4	3CQ5022D69	WINDOWS 8.1
17	17	HP PRODESK 400 G2 MT PC	"	INA515T7PM	3CQ51112RC	WINDOWS 8.1
18	18	HP PRODESK 400 G2 MT PC	"	INA515T7PL	3CQ51112PM	WINDOWS 8.1
19	19	HP PRODESK 400 G2 MT PC	"	INA515T7PK	3CQ51112QD	WINDOWS 8.1
20	20	HP PRODESK 400 G2 MT PC	"	INA515T7PJ	3CQ5030BOC	WINDOWS 8.1
21	21	HP PRODESK 400 G2 MT PC	"	INA515T7PH	3CQ5030B1H	WINDOWS 8.1
22	22	HP PRODESK 400 G2 MT PC	"	INA515T7PG	3CQ5111ZPD	WINDOWS 8.1
23	23	HP PRODESK 400 G2 MT PC	"	INA515T7PF	3CQ5022D3G	WINDOWS 8.1
24	24	HP PRODESK 400 G2 MT PC	"	INA515T7PD	3CQ5030B11	WINDOWS 8.1
25	25	HP PRODESK 400 G2 MT PC	"	INA515T7PC	3CQ5022DSC	WINDOWS 8.1
26	26	HP PRODESK 400 G2 MT PC	INTEL CORE I5- 4590,4GB RAM 1600 MHZ DDR3 SDRAM, 1 TB HDD,HP 18.5" LED MONITOR,INTEL HD GRAPHICS,SERIAL PORT,PARALLEL PORT,HP OPTICAL MOUSE & KEY BOARD,3 YEARS HP WARRANTY	INA515T7P5	3CQ51111ZX	WINDOWS 8.1

27	27	HP PRODESK 400 G2 MT PC	"	INA515T7P2	3CQ5022D56	WINDOWS 8.1
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