Department of ECE
LIST OF EQUIPMENTS

MICROWAVE LAB

S.No.	Name of Equipment/Device	Quantity
1.	Servo Stabilizer	01
2.	Regulated DC Power Supply	05
3.	Fixed Attenuator	03
4.	Power Paci Bench Grinder	01
5.	Klystron Power Supply	06
6.	Klystron Mount	03
7.	Standing Wave Indicator	06
8.	Gun Power Supply	01
9.	Klystron Tube	08
10.	Multi Hole Directional coupler	03
11.	Variable Attenuator	03
12.	Circulator	03
13.	Frequency Meter	02
14	Slotted Section	03
15.	Prob with tuner	03
16.	Wave Guide Detector	03
17.	Slide Screw Tuner	02
18.	Multi Hole Directional Coupler	04
19.	EH Tuner	02
20.	E Plain Tee	02
21.	H Plain Tee	02
22.	E Plain Bend	02
23.	H Plain Bend	02
24.	EH Tee	02
25.	Match Termination	09
26.	Movable Short	06
27.	Pyramidal Wave Guide	03
28.	Twist	02
29.	Wave Guide Stand	20
30.	Cross Directional Coupler	02
31.	Coaxial to Wave Guide Adapter	02
32.	Circulator to Rectangular Wave Guide	02
33.	D R Frequency Meter	05
34.	Magic Tee	02
35.	ES Tuner with Micro Meter Plunger	03
36.	Slide Termination	02
37.	Slide Screw Tuner	02
38.	Dielectric Cell	02
39.	Trainer Kit Frequency Shift Modulator	01
40.	Trainer Kit Boollean Expression	01
41.	Trainer Kit Adder Subtractor	03
42.	Trainer Kit J.K. Flip Flop	04
43.	Trainer Kit 4 Bit binary updown Counter	01

44.	Trainer Kit Module N Coutner	01
45.	Trainer Kit Logic gates expression	04
46.	Trainer Kit Multiplexer	01
47.	Trainer Kit Demultiplexer	01
48.	Trainer Kit D- Flip-Flop	02
49.	Trainer Kit counter	01
50.	Digital Trainer Kit	03
51.	Kelvin Bridge Kit	03
52.	Maxwell's Bridge Kit	03
53.	Wheatstone Bridge	03
54.	Wein Bridge (Frequency)	02
55.	Wein Bridge(Capacitance)	02
56.	Mini Drilling Machine	01
57.	Automatic Slide Projector	01
58.	Over Head Projector	01

ELCTRONICS DEVICES AND CIRCUITS LAB.

Sr. No.	DESCRIPTION OF EQUIPEMENT/ DEVICES	QTY.
1.	Transistor Charactoristics	01
2.	Unijuction Transister	01
3.	SCR Charactoristics	01
4.	Transistor coupled Amplifier	01
5.	Transistor Amplifier	01
6.	R-C Coupled Two stage Amplifier	01
7.	Class A-Amplifier	01
8.	Wain Bridge oscillator	04
9.	Multivibrator	01
10.	Kelvin Bridge Kit	03
11.	T & π Filter	01
12.	Transistor Biasing ckt. Kit	01
13.	Transistor Emitter Follower ckt.Kit	02
14.	Common Source FET Amp. Kit	02
15.	Constant K- Filter Kit	01
16.	M-Drive Filter Kit	01
17.	Speed Control Using SCR Kit Complete with Motor	01
18.	LCR Meter	05
19.	IC Tester	01
20.	Digital Multi Meters	09
21.	30Mhz CRO (Scientific Model-HM 203 G)	07
22.	Function Generator (Scientific Model-HM 203 G)	06
23.	Digital power Supply(Scientific)	05
24.	Class-A, B , AB Power Amplifier	03
25.	Class-C Amplifier	04
26.	Class-B Push-Pull Amplifier	04
27.	Hybrid Parameter of Transistor	02
28.	R-C Phase Shift Oscillator Kit	03
29.	Hartlay Oscillator Kit	03
30.	FET characteristics	02
31.	FET Amplifier	03
32.	Analog Trainer Kit	02
33.	BJT Characteristics	03
34.	Complementary Symmetry Class- B Push-Pull Amplifier	03
35.	Colpitts Oscillator Kit	03
36.	PCB Prototype Machine	01

MICROPROCESSOR & HARDWARE LAB

S.No.	Name of Equipment/Device	Quantity
1.	ADSP-2100 Evaluation Board (202)	01
2.	Digital Signal Processing Trainer Based on TMS-320C50	02
3.	Computer System for ADSP-2100 Evaluation Board	01
4.	System for Digital Signal Processing Trainer Kit P (iv)	01
5.	System for Digital Signal Processing Trainer Kit	01
6.	Digital Signal Processing starter Kit	01
7.	Function Generator	01
8.	1GHz Processor Note Book for DSP Kit	01
9.	Data Logger	01
10.	8086 Microprocessor Kit	10
11.	Star-86 based microprocessor Kit	02
12.	8085 Microprocessor Kit	29
13.	A to D converter Study card	04
14.	D to A Converter Study card	04
15.	8255 Study Card	02
16.	8253 Study Card	02
17.	8279 Study Card	02
18.	Stepper Motor Controller Study Card	02
19.	Keyboard Simulator Study Card	02
20.	D.C. Motor Control Card	04
21.	Stepper Motor	03
22.	Parallel Port Base Universal Programmer	01
23.	Dot Matrix Printer TVS-Calligra	01
24.	Inkjet Printer HP -810	01
25.	Dual Trace CRO (Aplab)	02
26.	8051 Based Microcontroller Trainer Kit	04
27.	Dual Trace CRO (Tektronics)	01
28.	Dual Trace CRO (Philips)	01
29.	Universal PROM Programmer	01
30.	High Resolution Counter	01
31.	6502 based Microprocessor Kit	02
32.	6802 based Microprocessor Kit	01
33.	Z-80 based Microprocessor kit	02
34.	68000 based Microprocessor Kit	01
35.	IC Tester Simulator	01
36.	Stepper Motor Driver Card	04
37.	Ultra Violet Light Source UVLS-8	01
38.	EPROM Eraser	01
39.	Scanner (HP)	01
40.	HP- Laserjet 6L Printer	01
41.	8515 Microcontroller kits	02
42.	ADSP-2181 DSK Board	02
43.	8051 Microcontroller kits	10
44.	IBM Desktop PIV computer system	15
45.	Vacuum Cleaner	01

46.	Logic Controller Interface	02
47.	4 x 4 matrix Hex Keyboard Interface Card	02
48.	DAC and ADC and Temp. Sensor Interface card	02

COMMUNICATION ENGINEERING LAB

S.No.	Name of Equipment/Device	Quantity
1.	TV Pattern Generator Black & White	01
2.	Function Generator	01
3.	CRO Dual Trace 0-20 MHz	04
4.	CRO Dual Trace 0-15 MHz	04
5.	CRO Dual Trace 0-50 MHz	01
6.	CRO Dual Trace 0-250 MHz	01
7.	CRO Single Trace 0-5 MHz	05
8.	Pulse Generator	02
9.	Servo Stabilizer	01
10.	AF Signal Generator	06
11.	Digital Multimeter	05
12.	VCR	01
13.	Cassette Recorder	01
14.	VHF Sweemer Generator	01
15.	DC Regulated Power Supplies 0-30V variable	07
16.	AF Power Meter 0-50 Watt	02
17.	LCR Meter	01
18.	Distortion Factor Meter	01
19.	Trainer Radio Receiver FM/AM	01
20.	Trainer Kit Amplitude Modulation/Demodulation	01
21.	Trainer Kit Frequency Modulation/Demodulation	01
22.	Trainer Kit Pulse Position Modulation	01
23.	Trainer Kit Pulse Width Modulation	01
24.	Trainer Kit Pulse Amplitude Modulation	01
25.	Trainer Kit Sampling and Reconstruction	01
26.	Trainer Kit TDM Pulse Modulation Transmitter Trainer	01
27.	Trainer Kit TDM Pulse Modulator Receiver Trainer	01
28.	Trainer Kit Delta Adaptive Delta/Sigma Modulator & Demodulator	01
29.	Trainer Kit Data Formatting Carrier Modulator	01
30.	Trainer Kit Delta De-formatting	01
31.	Spectrum Analyzer 500 MHz	01
32.	CRO Dual Trace 0-150 MHz	01
33.	RF Signal Generator 1.5 MHz to 225 MHz	01
34.	Trainer Optical Fiber Kit 'ROMTEK'	01
35.	Optical Fiber Experiment Kit	Set of 4
36.	Advance Training Kit 'Scientech.'	Set of 5
37.	Coil Winding Machine	01
38.	CRO 30MHZ	05
39.	Function Generator 2 MHZ	05
40.	Frequency Counter 1 GHZ	02
41.	Analog Lab Trainer Kit	02
42.	P.I.D Controller Kit	01
43.	Potentiometric Error Detector Trainer Kit	01
44.	Study of Lead Lag Compensator Trainer kit	01

45.	Synchro Transmitter / Receiver Trainer Kit	01
46.	Magnetic Amplifier Trainer Kit	01
47.	Speed Torque Characteristics of AC Servomotor Trainer Kit	01
48.	Speed Torque Characteristics of DC Servomotor Trainer Kit	01
49.	Light Intensity Control System Trainer Kit	01
50.	High Pass Filter Trainer Kit	01
51	Passive Filter trainer Kit	01
52.	Multi Meter	02
53.	Power Supplies	05
54.	PAM , PPM , PWM Modulator & Demodulator kits	02
55.	DSB Modulator(Module)	01
56.	SSB Modulator(Module)	01
57.	FM Modulator(Module)	01
58.	Zigbee and Wireless Sensor Network	01

FIBRE OPTICS LABORATORY

S.No	Name of Equipment/Device	Qnty
1	Constant Voltage Stablizer	01
2	P-III 600 MHz Computer System	02
3	Inkjet Printer Epson Stylus	01
4	Windows 98 Operating System	01
5(i)	ST Variable Attenuator Connector	01
(ii)	Vaiable Air Gap attenuator (Single mode/Multimode ST type)	01
(iii)	ST Mating Sleeve (Stainless Steel, ST to ST adaptor Multi mode/ Single Mode)	01
(iv)	CDs for Fiber Optic Instructions	
(v)	Patch cord (Optical Probe) 50/125 Multi mode glass fiber, 1 meter ST connector at both ends	04
6	Modern Fiber optic lab consisting of	
(a)	Analog Tx Trainer Kit	
(b)	Analog Receiver Trainer Kit	
(c)	Advance Digital Tx/Receiver Trainer kit	2 sets
ii.	Fiber Optic LED Power Source	01
iii.	Fiber Optic Talk Set	02
iv.	Fiber Optic Power Meter	01
v.	Fiber Optic Continuity Tester	01
vi.	Fiber Optic Digital Link for Glass and Plastic Fiber	01
vii.	Mode CK-1000 ST Connector Installation kit of	01
-	Lapping Sheeting for 5,1 and 0.3 micron	20
-	ST Polishing Tools	01
-	Glass Polishing Plate	01
-	100x fiber optic microscope	01
-	Batteries for Microscope	02
-	Epoxy	01
-	Diamond Pen Scribe	01
-	Jacket and Buffer Skipper	01
-	Blade and scissors	01
-	Tissue Papers	01
-	Cotton Swabs	01
-	Disposal Syringe	01
-	Carrying Case	01
-	Instruction Manual	01
viii.	Model SK-1000 Add on UV Mechanical Splice Installation Kit consisting of -	01
-	UV Protective Goggles	01

-	UV Bond	01
-	UV Lamp	01
-	Batteries for UV Lamp	04
-	Opto Splice	05
ix.	ST adapter for microscope	01
x.	50/125 Glass Fiber	100mts
xi.	100 Micron Plastic Fiber	25 Mts.
xii.	LED and Detectors	10
xiii.	ST Connectors	10
xiv.	Bulk head mount adapter	10
xv.	Simplex Plugs with retention Clips	10
xvi.	Base PCBs	10
xvii.	Patch cord for Glass Fiber (1 Meter)	01
7.	Oscilloscope(scientific)	04
8.	Function Generator	04
9.	Server (DELL Power EDGE T420)	01
10.	DELL PC	14

EDA LABORATORY

S.No	Equipment name	Qnty
1.	AMD Athelon-K7-600MHz Computer System	03
2.	Creative Sound Works Desktop Theator 5.1	01
3.	CVT 1 KVA	01
4.	Live Blaster Cards	03
5.	Logitech Quick Cam-Pro Camera	03
6.	P-IV Computer System	24
7.	Printer HP-Laserjet 1000	01
8.	Scanner HP-3500	01
9.	Combo CD-Writer	01
10.	UPS Power Pack 600VA	11
11.	LCD Projector 'Mitsubishi' 1200 ANSI	01
12.	16 Port Hub	01
13.	Spike Busters	12
14.	16 port, 8 port Switch	-
15.	VHDL with 5 user, Synplify Pro One user	01 set
16.	Universal Trainer Kit FPGA/CPLD Module	01 set
17.	AMDL/CADE/04/023 Orcad Cct. Simulator	01 set
18.	UPS 600 VA	10
19.	IBM Think Centre PIV Computer System	02
20.	MATLAB 7.5 Software	05 user
21.	MATLAB 7.0 with Tool Box , Optimization ,and Genetic Algorithm , Direct search , Neural Network, Signal Processing , Comm. And Fuzzy Tool Box.	01 user
22	HP Poliant ML150G3 server	01
23.	UPS 650VA	01
24.	OPTI System Standard edition	01
25.	Comm. System Simulator 6.0	01
26.	Universal System Development Kit	02
27.	HP pavilion TX - 1003	01
28. 29. 30. 31 32 33.	Toshiba Projector TDP - 350 Cadence Orcad 16.0 Model SIM Xilinix Edition-iii,ISE design Suite10.1 Autodesk 3ds Max 2009 Supernec Adobe Photoshop CS3 Extended	01