

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LIST OF MAJOR EQUIPMENTS

Electronic Devices and Instrumentation Lab (18ECL37)

Sl. No	Equipment	Specifications	Make	Quantity
01	DC Regulated Fixed Power supply	<ul style="list-style-type: none">• Fixed Power supply	MICRO LOGICS	5
02	30Mhz Dual Channel Analog oscilloscope	<ul style="list-style-type: none">• 30MHz Dual Channel	FALCON ELECTRO TEK PVT. LTD.	7
03	Digital Storage oscilloscope	<ul style="list-style-type: none">• 50MHz Dual Channel	FALCON ELECTRO TEK PVT. LTD.	18
04	Dual Channel Power	<ul style="list-style-type: none">• Supply 0-30V Variable	FALCON ELECTRO TEK PVT. LTD.	20
05	Signal Generator	<ul style="list-style-type: none">• 3MHz Signal	APLAB LIMITED	15
06	Kelvin's Double Bridge	<ul style="list-style-type: none">• Kelvin's Double Bridge	OXFORD	02


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Digital System Design Lab (18ECL38)

Sl. No.	Equipment's	Specification	Make	Quantity
1	Digital Trainer Kit	• Digital Trainer Kit	MICRO LOGICS	20
2	Digital IC Tester	• Digital IC Tester	MICRO LOGICS	02
3	Analog cum Digital IC Tester	• Analog cum Digital IC Tester	MICRO LOGICS	01
4	Universal IC Tester	• Universal IC Tester	MICRO LOGICS	01


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LIST OF MAJOR EQUIPMENTS

Microcontrollers Lab (18ECL47)

Sl. No	Equipment	Specifications	make	Quantity
01	8051 Microcontrollers kit	<ul style="list-style-type: none">• p89v51rd2FN(NXP)• Reset switch• power switch• 6 I/O ports	Sitech Electronics	35
02	DC adapter	<ul style="list-style-type: none">• 9v• 1A	Sitech Electronics	55
03	LCD interface	<ul style="list-style-type: none">• 16 characters	Sitech Electronics	20
04	LED interface	<ul style="list-style-type: none">• 8 LED'S	Sitech Electronics	20
05	Seven segment display interface	<ul style="list-style-type: none">• Six seven segment display	Sitech Electronics	20
06	ADC interface	<ul style="list-style-type: none">• Variable resistor• Thermistor	Sitech Electronics	20
07	DAC interface	<ul style="list-style-type: none">• Chip max design	Sitech Electronics	20
08	Matrix keyboard interface	<ul style="list-style-type: none">• 4X4 keyboard	Sitech Electronics	20
09	Toggle switch interface	<ul style="list-style-type: none">• 8 toggle switch	Sitech Electronics	20
10	DC motor interface	<ul style="list-style-type: none">• FAN KNOB	Sitech Electronics	20
11	Stepper motor interface	<ul style="list-style-type: none">• 1.8 degree /step	Sitech Electronics	20
12	MSP430 kit	<ul style="list-style-type: none">• MSP430 kit	Sitech Electronics	20
14	monitor	<ul style="list-style-type: none">• LCD	DELL	30
15	CPU keyboard with mouse	<ul style="list-style-type: none">• INTEL CORE 2 DUO	LENOVO	30


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LIST OF MAJOR EQUIPMENTS

LIC +Communication Lab (17ECL48)/Analog Circuits Lab (18ECL48)

Sl. No	Equipment	Specifications	Make	Quantity
01	DSO-2Channel Digital Storage Oscilloscope	<ul style="list-style-type: none">• 50 MHz• 500 ms/s	Tetronics/Falcon	25
02	FG-20DDS Function Generator	<ul style="list-style-type: none">• 20 MHz	Falcon	15
03	PS-303P Multi channel DC Power Supply	<ul style="list-style-type: none">• Multi-channel PS• Fixed 5V/3A PS	Falcon	15
04	MM-M390 Digital Multi meter	<ul style="list-style-type: none">• M390 series	Micro logic	10
05	DRB	<ul style="list-style-type: none">• DRB	Micro logic	10


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LIST OF MAJOR EQUIPMENTS

Digital Signal Processing Lab (17ECL57)

Sl.No	Equipment	Specifications	Make	Quantity
01	DSP320 TMS320C6745	<ul style="list-style-type: none">• Power supply : +5v,+ or - 12v GND• 8 DIP switches for inputs• 8 LED indication for output• 20*2 character LCD display• Phone keypad 0 to 9 digits and *,# characters• 4 *4 LED matrix	FALCON ELECTRO -TEK PVT .LTD	10
02	TMDSEXPL138	<ul style="list-style-type: none">• One RJ45 Ethernet connector• SATA• MMC/SD card slot• System user button, reset button• Boot mode and user DIP switches• One USB 1.1 full-speed host• Serial Ports• 115.2kbps RS-232 debug serial port• Connectors for JTAG interface• 5V power supply with US,UK,Japan,Europe Adapter	CRANES SOFTWA RE INTERNA TIONAL LIMITED	20


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HDL Lab (17ECL58)

Sl.No	Equipment	Specifications	Make	Quantity
01	Universal CPLD & FPGA TRAINER kit	FPGA TRAINER Kit	SITECH ELECTRONICS	25
02	Lenovo think center	INTEL "CORE 2 DUO CPU" with AOC LCD Monitor	Newwave Computing	30


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Embedded Controller Lab (17ECL67)

Sl. No	Equipment	Specifications	Make	Quantity
01	ARM Kit	<ul style="list-style-type: none">• ARM Kit	TENET Technetronics	20
02	Lenovo think center	INTEL "CORE 2 DUO CPU" with AOC LCD Monitor	Newwave Computing	30


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Computer Networks Lab (17ECL68)

Sl. No	Equipment	Specifications	make	Quantity
01	MONITOR	<ul style="list-style-type: none">• LCD	LENOVO	28
02	CPU WITH KEYBOARD AND MOUSE	<ul style="list-style-type: none">• INTEL CORE i5	Think Centre	28
03	Printer	<ul style="list-style-type: none">• LASER JET	HP	1


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Advanced Communication Lab (15ECL76)

Sl. No.	Equipment's	Specification	Make	Quantity
1	DSO-2Channel Digital Storage Oscilloscope	<ul style="list-style-type: none">• 50 MHz• 500 ms/s	Tetronics/Falcon	15
2	FG-20DDS Function Generator	<ul style="list-style-type: none">• 20 MHz	Falcon	15
3	PS-303P Multi channel DC Power Supply	<ul style="list-style-type: none">• Multi-channel PS• Fixed 5V/3A PS	Falcon	15
4	MM-M390 Digital Multi meter	<ul style="list-style-type: none">• M390 series	Micro logic	10
5	Microwave Antenna Setup	<ul style="list-style-type: none">• Microwave Antenna	Techni Lab	02
6	Microwave test Bench	<ul style="list-style-type: none">• Klystron Power• Attenuator	Techni lab	01
7	Fibre Optical Kit	<ul style="list-style-type: none">• Optical fibre Kit	Techni lab	01
8	VSWR Meter	<ul style="list-style-type: none">• Meter	Techni lab	03
9	Microstrip Trainer Kit	<ul style="list-style-type: none">• Microstrip Trainer Kit	Techni lab	01


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VLSI Lab (15ECL77)

Sl. No.	Equipment	Specification	Make	Quantity
1	VLSI Cadence Software	<ul style="list-style-type: none">• University Bundle 3 Analog and Digital Front end with Back.• 30 User Perpetual license for 4 Years.	FTD Automation Pvt. Ltd.	1
2	MONITOR	<ul style="list-style-type: none">• LCD	LENOVO	28
3	CPU WITH KEYBOARD AND MOUSE	<ul style="list-style-type: none">• INTEL CORE i5	Think Centre	28
4	Printer	<ul style="list-style-type: none">• LASER JET	HP	1


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