

LABORATORIES IN DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Electrical Measurements & Instrumentation Lab

In charge Name – Ms. Suman Lata

Size of lab – 150 sq m

S. No.	Equipment	Qty
1	LVDT Trainer Kit	1
2	LDR Training Kit	1
3	RTD Trainer Kit	1
4	Thermocouple Trainer Kit	1
5	Strain Gauge Trainer Kit	1
6	Capacitive pickup Trainer Kit	1
7	Electromagnetic pickup Trainer Kit	1
8	Photoelectric Pick up Trainer Kit	1
9	Inductive pickup Trainer Kit	1

Electrical and Electronics Materials & Semiconductor Devices Lab

In charge Name - Ms. Manisha Sharma

Size of lab - 80 sq m

S. No	Equipment	Qty
1	Photovoltaic cell kit	2
2	SCR Characteristics Kit	2
3	Traic Characteristics Kit	2
4	Diac Characteristics Kit	2
5	UJT Characteristics Kit	2
6	BJT Characteristics Kit	3
7	PN junction Diode Kit	2

Network Theory Lab

In charge Name - Ms. Deepika

Size of lab - 80 sq m

S. No	Equipment	Qty
1	RLC Circuit kit	1
2	L.P.F,H.P.F,B.P.F & B.S.F kit	1
3	Two Port Network Kit	1
4	20-MHz Cathode Ray Oscilloscope	1
5	20 MHz Function Generator	1
6	Regulated power supply	1

Digital Electronics Lab.

In charge Name - Ms. Isha

Size of lab - 80 sq

S.No	Equipment	Qty
1	TTL Gates Kit	2
2	Bi- directional shift Resister kit	2
3	Multiplexer& De-multiplexer Kit	2
4	Synchronous/Asynchronous Counter Kit	2
5	Digital Logic Trainer Kit	2
6	CMOS / TTL interfacing Kit	2
7	Flip-Flops kit	2
8	Basic gates IC'S	100

Microprocessors & Interfacing Lab

In charge Name – Ms. Poonam

Size of lab - 80 sq m

S.No	Equipment	Qty
1	8085 Microprocessor Trainer kit	7
2	8086 Microprocessor Trainer Kit	3
3	8255 PPI kit	1
4	Stepper motor card	1
5	Seven segment LED display card	1

Analog Electronics Circuits Lab

In charge Name – Mr. Ashok

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Bread Board with in-built Power Supply	5
2	Loose components for design of the Electronic circuits	1000
3	20-MHz Cathode Ray Oscilloscope	1
4	Function Generator	1

Project Lab

In charge Name – Ms. Sonia

Size of lab - 150 sq m

S.No	Equipment	Qty
1	PCB Drilling machine	1
2	PCB artwork film maker	1
3	PCB curing machine(Oven)	1
4	Terphotoresist DIP coater	1
5	Double sided UV(Proto)	1
6	PCB Etching machine	1
7	Shearing machine 300mm	1
8	Proto developer/Dye	1
9	Roller Tinning machine	1
10	Drafting Aid Assorted kit	1
11	Light Table	1
12	PCB Lab start up chemicals	10

Embedded System Design Lab

In charge Name - Ms.Poonam

Size of lab - 80 sq m

S. No	Equipment	Qty
1	8051 Microcontroller	1
2	USART 8251 card	1
3	LED display card	1
4	Keyboard display card	1
5	8253 programmable Interval Timer module	1
6	Traffic light controller module	1
7	Stepper motor card with motor & power supply	1

Electronic circuit simulation Lab

In charge Name - Mr. Lalit Gupta

Size of lab - 80 sq m

S.No	Equipment	Qty
1	TINA-7 Simulation Software	10 user
2	Computers (P IV)	30

Data Communication Lab

In charge Name - Ms. Deepika

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Communication Trainer	1
2	Amplitude Modulation Trainer	1
3	Advanced Fiber Optic Trainer	1
4	Optical Power Meter	1

Digital Signal Processing Lab

In charge Name – Ms. Bimla Malik

Size of lab - 80 sq m

S.No	Equipment	Qty
1	MATLAB- 10 users	10 user
2	Computers (P IV)	30

Communication Engineering Lab

In charge Name – Ms. Sonia

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Amplitude Modulation Kit	2
2	Frequency Modulation kit	2
3	Pulse Amplitude Modulation kit	2
4	Pulse width Modulation kit	2
5	Pulse position Modulation kit	2
6	Frequency shift keying kit	2
7	Amplitude shift Keying Kit	2
8	Phase shift Keying Kit	2
9	Pulse code Modulation Kit	2
10	20-MHz Cathode Ray Oscilloscope	2

Analog Electronics Lab

In charge Name – Ms. Bimla Malik

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Zener Diode Characteristics Kit	3
2	Voltage Doubler & Tripler Kit	1
3	Half Wave & Full Wave Rectifier Kit	3
4	RC Coupled Amplifier Kit	1
5	FET Amplifier Kit	2
6	Clipper & Clamper Circuit Kit	2
7	Power supply filter kit	1
8	Common-Collector Amplifier Kit	1
9	Common-Emitter Amplifier Kit	1
10	20-MHz Cathode Ray Oscilloscope	2
11	Function Generator	2
12	Push-Pull Amplifier kit	1

Microwave Lab

In charge Name -Ms. Shruti

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Klystron based Microwave test bench	2
2	Gunn based Microwave test bench	1
3	Fixed Attenuator	1
4	Variable Attenuator	1
5	Multihole directional coupler	1
6	Cross directional coupler	1
7	Three port Circulator	1
8	Microwave Resonant cavity	1

Digital System Design Lab

In charge Name – Mr. Lalit gupta

Size of lab - 80 sq m

S.No	Equipment	Qty
1	VHDL Software	Unlimited users
2	Computers (P IV)	30

Satellite Communication Lab

In charge Name – Ms. Deepika

Size of lab - 80 sq m

S.No	Equipment	Qty
1	Satellite Communication Trainer kit	1

Basic Electronics Lab

In charge Name – Ms.Vimal

Size of lab - 150 sq m

S.No	Equipment	Qty
1	PN junction diode Kit	2
2	Half Wave Rectifier Kit	3
3	Full Wave Rectifier Kit	3
4	Clipper & Clamper Circuit Kit	2
5	Common-Emitter Amplifier Kit	1
6	Op-Amp Trainer Kit	3
7	TTL Gates Kit	2
10	20-MHz Cathode Ray Oscilloscope	2
11	Function Generator	2
12	Loose components for design of the Electronic circuits	1000