



BHEEMA INSTITUTE OF TECHNOLOGY & SCIENCE
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Department of Electronics and Communication Engineering
Laboratory Equipment Details

Name of the Laboratory	Name of the Equipment	Number Available
MW&OFC LAB(Microwave and Optical fiber Communication Lab)	Klystron Power supply	4
	Klystron Mount	4
	Klystron Tube	4
	Wave guide Bend E/H	4
	Moveable Short	4
	Cooling Fan	4
	Gunn power supply	1
	Gunn Oscillator	1
	Pin Modulator	1
	Directional Coupler	1
	Magic tee	1
	Fixed attenuator	1
	VSWR Meter	5
	Isolator	5
	Variable attenuator	5
	Slotted line	5
	Tunable probe	5
	Matched Termination	5
	Detector Mount	5
	Direct frequency meter	5
	Fixed short /Reflector	5
	W/G stands WGS-90	20
	BNC Cables	20
	Fiber optic LED Characteristics	1
Laser diode Characteristics	1	
Laser diode intensity Modulation	1	
Digital Fiber Optic link	1	
Measurement of Numerical aperture	1	

Name of the Laboratory	Name of the Equipment	Number Available
EDC LAB	Dual Trace oscilloscope DC 20MHz	15
	Function Generator 1Hz-1MHz	15
	Regulated power supply (Dual Channel) 0-30v	15
	Decade resistance box 10ohms-1Mohm	5
	Decade Inductance box 100uH-1H	5
	Decade capacitance box 0-11.11ufd	5
	Bench top digital meters(any range)	
	a) Voltmeter 0-200mV	15
	0-20v	15
	b).Ammeters: 0-200μA	15
	0-200mA	15
	Digital multi-meters(CIE 122)	10
	DIGITAL LCR METER	1
	5KVA Servo Stabilizer	1
	Bread Board systems	15

Name of the Laboratory	Name of the Equipment	Number Available
ECA LAB	1. a). Common Emitter Amplifier	2
	b).Common Source Amplifier	2
	2. Two stage RC Coupled Amplifier	2
	3. Current Shunt and feedback Amplifier	2
	4. Cascade Amplifier	2
	5. Wien bridge Oscillator using Transistor	2
	6. RC Phase Shift Oscillator using Transistor	2
	7. Class A Power Amplifier	2
	8. Class B Complimentary symmetry Amplifier	2
	9. Class A Power Amplifier with Transformer Load	2
	10. Class B Power Amplifier	2
	11. Single Tuned Voltage Amplifier	2
	12. Series Voltage Regulator	2
13. Shunt Voltage Regulator	2	

Name of the Laboratory	Name of the Equipment	Number Available
MP & MC LAB	8085 based Microprocessor Trainer with Accessories	1
	8086 based Microprocessor Trainer with Accessories	3
	8086 based Microprocessor Trainer with Accessories	7
	8051based Microcontroller Trainer	3
	8051based Microcontroller Trainer	7
	8255 PPI Interface	1
	8279 Key board Interface	1
	8251 USART Interface	1
	8259 Interrupt Controller Interface	1
	Dual DAC Interface	1
	Dual slope ADC Interface	1
	RTC Interface	1
	Stepper Motor Interface with Stepper motor	1
	On Board USB Ports	14
	CORE-51RD2 Micro controller Development Board with connecting cables	5

Name of the Laboratory	Name of the Equipment	Number Available
PDC LAB	20MHz Dual Trace Oscilloscope	7
	3 1/2 Hand held Digital Multimeters	10
	Bread Board Trainer Systems	10
	Digital IC Trainer system	1
	Dual channel RPS	5
	Photo diode and Photo Transistor	2
	LED Characteristics	2
	LDR Characteristics	2

Name of the Laboratory	Name of the Equipment	Number Available
ICA LAB	Texas Instruments "Analog System Lab Kit"(ASLK PRO)	6

Name of the Equipment	Number Available
Universal VLSI Trainer	5

Name of the Laboratory	Name of the Equipment	Number Available
AC & DC Lab	Pulse Amplitude Modulation & Demodulation	2
	Pulse Width Modulation & Demodulation	2
	Pulse Position Modulation & Demodulation	2
	Sampling Theorem Verification	2
	Time Division Multiplexing and Demultiplexing	2
	Pulse Code Modulation & Demodulation	2
	Differential Pulse Code Modulation	2
	Delta Modulation and Demodulation	2
	Frequency Shift keying and Demodulation	2
	Phase Shift Keying	2
	Differential Phase Shift Keying	2