

LAB NAME: ELECTRONICS LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|--|
| 1 | Ammeters (0-1mA, 0-10mA, 0-15mA, 0-30mA, 0-50mA, 0-100mA,0-50μA,0-100μA,0-500μA) |
| 2 | Cathode Ray Oscilloscope (20MHZ, 30MHZ,) |
| 3 | Decade Inductance Box |
| 4 | Decade Resistance Box |
| 5 | Digital Multimeter (Analog & Digital) |
| 6 | Dual Regulated Power Supply (0-30v,0-15v) |
| 7 | Fixed Power Supply (5v,15v) |
| 8 | Function Generator (1MHZ,2MHZ,3MHZ) |
| 9 | LCR Meter |
| 10 | Regulated Power Supply(,0-15v,0-30v) |
| 11 | Voltmeters (0-1V, 0-10V, 0-15V, 0-30V, 0-50V, 0-100V ,0-50V,0-100V) |
| 12 | Tina Simulation software (15 users) |

LAB NAME: DIGITAL ELECTRONICS LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|---------------------------|
| 1 | Digital IC Tester |
| 2 | Digital IC Trainer kit |
| 3 | Digital Multimeter |

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| 4 | Dual Regulated Power Supply(0-30v,0-15v) |
| 5 | Fixed Power Supply(5v,15v) |
| 6 | Personal Computers |
| 7 | Regulated Power Supply(0-15v,0-30v) |
| 8 | Digital ICS |
| 9 | Analog IC Tester |

LAB NAME: LINEAR INTEGRATED CIRCUITS LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|--|
| 1 | Analog and Digital Multimeter |
| 2 | Analog IC Tester |
| 3 | Analog IC Trainer kit |
| 4 | Cathode Ray Oscilloscope(20MHZ, 30MHZ,) |
| 5 | Decade Capacitance Box |
| 6 | Decade Inductance Box |
| 7 | Decade Resistance Box |
| 8 | Dual Regulated and Fixed Power Supply (0-30v,0-15v) &(5v,15v) |
| 9 | Function Generator (1MHZ,2MHZ,3MHZ) |
| 10 | LCR Meter |
| 11 | Tina Simulation software (15 users) |
| 12 | Analog IC Tester |

LAB NAME: MICROPROCESSOR AND MICROCONTROLLER LABORATORY



| S.NO | LIST OF EQUIPMENTS |
|-------------|--------------------------------|
| 1 | ADC and DAC Interface Board |
| 2 | DC Motor Speed measurement |
| 3 | Keyboard Interface |
| 4 | Microcontroller kit (8051) |
| 5 | Microprocessor kit (8085,8086) |
| 6 | Personal Computer |
| 7 | RS 232 Cable & Connector |
| 8 | Serial Communication |
| 9 | Stepper Motor |

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| 10 | Traffic Light Control |
| 11 | Real Time Clock |
| 12 | Printer Interface Board |
| 13 | 8255 Interface Board |
| 14 | DC Motor Interface Board |
| 15 | USART Interface Board |
| 16 | Programmable Peripheral Interface Board |
| 17 | Keyboard and Display Interface Board |

LAB NAME: DIGITAL SIGNAL PROCESSING LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|---|
| 1 | MATLAB |
| 2 | SIMULINK |
| 3 | Signal Processing Tool Box |
| 4 | DSP system Tool Box |
| 5 | Communication System Tool Box |
| 6 | Image Processing Tool Box |
| 7 | Fuzzy Logic Tool Box |
| 8 | Neural Networks Tool Box |
| 9 | Wavelet Tool Box |
| 10 | RF Tool Box |
| 11 | Optimization Tool Box |
| 12 | Statistics Tool box |
| 13 | SIM Electronics |
| 14 | Cathode Ray Oscilloscope (20MHZ, 30MHZ,) |
| 15 | Function Generator (1MHZ,2MHZ,3MHZ) |
| 16 | DSP Trainer Kit – Fixed and Floating Point Processor |

LABE NAME: COMMUNICATION SYSTEMS LABORATORY



| S.NO | LIST OF EQUIPMENTS |
|------|---|
| 1 | AM Modulation and Demodulation Trainer kit |
| 2 | Analog Sampling and Reconstruction Trainer kit |
| 3 | Cathode Ray Oscilloscope(20MHZ, 30MHZ,) |
| 4 | Delta Modulation and Demodulation Trainer kit |
| 5 | Digital Modulation Techniques Trainer kit |
| 6 | Digital Storage Oscilloscope (100MHZ) |
| 7 | FM Modulation and Demodulation Trainer kit |
| 8 | Function Generator (1MHZ,2MHZ,3MHZ) |
| 9 | Line Coding Trainer kit |
| 10 | Personal Computer |
| 11 | Pulse Code Modulation and Demodulation Trainer kit |

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| 12 | Antenna trainer system(Analog & Digital) |
| 13 | Network Analyzer (1.3GHZ) |
| 14 | Digital Storage Oscilloscope (100MHZ) |
| 15 | Micr strip components trainer kit |
| 16 | ADS Software |
| 17 | Personal Computer |

LAB NAME: LABE NAME: COMPUTER NETWORKS LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|------------------------------------|
| 1 | Network Simulator, Lan trainer kit |
| 2 | Personal Computer |

LAB NAME: VLSI DESIGN LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|----------------------------------|
| 1 | Cadence Software ,Altra software |
| 2 | Xilinx 9.1 Software |
| 3 | FPGA Trainer kits |
| 4 | Personal Computers |

LAB NAME: EMBEDDED SYSTEMS LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|---|
| 1 | ARM-7 Processor kits (LPC 2378) & ARM-9 Processor kits |
| 2 | ARM Cortex M4 kits |
| 3 | ZIGBEE Wireless Modules |
| 4 | FPGA Daughter Card |

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| 5 | Personal computers |
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LAB NAME: OPTICAL AND MICROWAVE LABORATORY

| S.NO | LIST OF EQUIPMENTS |
|-------------|--|
| 1 | Fiber Optic Trainer kit |
| 2 | Optical Power source and Power meter |
| 3 | Laser Trainer kit & Mode Characteristics setup |
| 4 | 850nm LED and Photo Diode Module with ST Receptacles |
| 5 | BCK 120 & BSK 40: ST connection kit & Mechanical splicing kit with ST connectors MM and Loose jacketed MM GF-10M |
| 6 | Microwave test bench setup(Reflex Klystron ,Gunn diode) |
| 7 | Directional Coupler |
| 8 | Radiation pattern of Horn antenna |
| 9 | E-Plane Tee, H-Plane Tee, Magic Tee |
| 10 | Isolator and Circulator |
| 11 | Digital Storage Oscilloscope (100MHZ) |
| 12 | Dual Trace Cathode Ray Oscilloscope |
| 13 | Signal Generators (1MHZ,2MHZ,3MHZ) |
| 14 | Digital Multimeter |
| 15 | Radiation pattern of Horn antenna |