



SOFTWARE LAB:

This Laboratory is used by B.Tech Student for carrying out Practical's related to Software like C,C++,JAVA, MATLAB

Laboratory Details (Equipment):

Hardware:

HP Pro 3090 New minitower HP dual core Processor,2GB RAM,320GB hard disk,HPkeyboard,HP optical Mouse,WPP OS HP 18.5 TFT monitor

Software:

Proteous VSM Software for Compresive Design &SimulationTurbo C++,Microsoft Office 2007, MATLAB

Internet Connection:

Reliance Communication - 45 Mbps Bandwidth & Vodafone – 4 Mbps Bandwidth



DIGITAL & MICROPROCESSOR LAB

This Laboratory is used byB.Tech Student for carrying out Practical's related to Digital Electronics & Microprocessor & Microcontrollers.

Hardware:

89x51RD2 Based Development Board with ISP,PIC18F Advanced Trainer Kit with Flash Programmer,PIC 18F8XX Microcontroller Trainer,Universal Programmer,Atmega 328P Development Board With Acclerometer Sensor & DC Motor

HP Pro 3090 New minitower HP dual core Processor,2GB RAM,320GB hard disk,HPkeyboard,HP optical Mouse,WPP OS HP 18.5 TFT monitor

Software:

Turbo C++,Keil,Microsoft Office 2007, MATLAB

Internet Connection:

Reliance Communication - 45 Mbps Bandwidth & Vodafone – 4 Mbps Bandwidth



TELEVISION VIDEO & POWER LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related to Television Practical's along with Power lab

Laboratory Details (Equipment):

Hardware:

1 MHZ -240 MHZ VHF, S-846 T Sweep Generator
Remote Controlled Colour TV Trainer PCB Size- 30 & 24"
Mobile, TV, HDTV Trainer Kits etc.
Digital Multimeter 3 ½ Digit
True RMS Digital Multimeter
SMPS Trainer Kit
LCR Q Meter
Speed Control of DC motor Trainer kit
DSO-1052 B: 50 Mhz Single Phase Variac 270V, 4A etc.



RESEARCH LAB

This Laboratory is used by B.Tech & M.Tech Student for carrying out their Mini & Major Projects, Research Work

Laboratory Details (Equipment):

Hardware:

Computer System Branded HP Desktop Dual core G2030, DOS, 2 GB Memory, 500 GB HDD, HP Keyboard + Mouse, LED Monitor HP 18.5,

Operating Systems Installed:

Windows 8 Professional, Ubuntu

Software:

Microwind, Xilinx 12.3.

Internet Connection:

Reliance Communication - 45 Mbps
Bandwidth & Vodafone - 4 Mbps Bandwidth



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SCHOOL OF ENGINEERING AND TECHNOLOGY

AMBI, TALEGAON, PUNE

Department of Electronics & Telecommunication Engineering



COMPUTER NETWORK LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related Computer Network along with Signal Processing.

Laboratory Details (Equipment):

Hardware:

DSP starter kit TMS320c6713(DSK) with code Composer studio

DSP starter kit TMS320c6416(DSK) with code Composer studio

Image/Video daughter and on board display

High Speed ADC/DAC card Analog daughter

4& 16-Channel Audio daughter card

HP Pro 3090 New minitower HP dual core Processor, 2GB RAM, 320GB hard

disk, HP keyboard, HP optical Mouse, WPP OS HP 18.5 TFT monitor

Operating Systems Installed:

Windows 8 Professional, Ubuntu

Internet Connection:

Reliance Communication - 45 Mbps

Bandwidth & Vodafone – 4

Mbps Bandwidth



VLSI & EMBEDDED SYSTEM LAB

This Laboratory is used by B.Tech&M.Tech Student for carrying out Practical's related VLSI & Embedded System.

Laboratory Details (Equipment):

Hardware:

FPGA,CPLD : proto Board Spartan-III Protoboard
HP Pro 309,
Universal Multivendor Protoboard
HP dual core Processor,2GB RAM,320GB hard disk,HP keyboard,HP optical Mouse,WPP OS HP 18.5 TFT monitor
ARM 2148 board, C Compiler for ARM 7 family, Single Board with 200MHz ARM9 processor, ARM7 Board, ARM CORTEX etc

Software:

Microwind 3.5 with DSCH 3.5 Software,, VLSI Simulator Software

Internet Connection:

Reliance Communication - 45 Mbps
Bandwidth & Vodafone – 4
Mbps Bandwidth



WAVE THEORY ANTENNA & OPTICAL FIBRE CABLE LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related to Antenna & Optical Fibre Cable.

Laboratory Details (Equipment):

Hardware:

S144 Antenna trainner 850-1300MHz
S54 Antenna system trainer
Char. Of source kit
Optical power meter
OTDT MTS 4000 fibre
Fibre optic training system
Microwave Test Bench
Bending loss & Prog. Loss study kit

Software:

Antenna system Design software 13DE



INSTRUMENTATION & MEASUREMENT LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related to Electronics Instrumentation & Mobile Communication

Laboratory Details (Equipment):

Hardware:

Mobile Phone Trainer- Std. Trainer Kit
CDMA Trainer- Std. Trainer Kit
STN/EPABX switch configuration (T/S/T switch) V- STD. Trainer Kit(PSTN Switch)
VOIP,GSM,3G Mobile Trainer Kit- Std. trainer
12 Hz to 1000KHz LCR meter with RS232c Interface,DSO,CRO,Multimeter,
80 MHz Arbitrary Function Generator, 36CH
100 Ms/s Logic Analyzer
6 1/2 Digital Multimeter
Palm OTDR
Regulated bench rack adaptable, Dual output power Supply etc.



EDC & ICA LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related to Electronics Devices & Circuits along with Integrated Circuits.

Laboratory Details (Equipment):

Hardware:

SINGLE STAGE BJT C.E AMPLIFIER
DUAL REGULATED POWER SUPPLY
FUNCTION GENERATOR, 3 MHZ
DSO 100Mhz & 50MHz, LIC Trainer Kit, Analog Trainer Kit, DC transfer Characteristics, Offset voltage kit, Schmitt Trigger, RTD Bridge Kit etc.



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COMMUNICATION LAB

This Laboratory is used by B.Tech Student for carrying out Practical's related to Wired & Wireless Communication Systems along with Signal Processing.

Laboratory Details (Equipment):

Hardware:

Analog Communication Training Kits,
Digital Communication Training Kits,
Spectrum
Analyser, DSO100Mhz, DSO50Mhz, CRO, Multimeter etc.