

AMBI, TALEGAON, PUNE

Department of Electronics & Telecommunication Engineering



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 by B. Tech Student for carrying out Practical's related to Digital Electronics & Microprocessor & Microcontrollers.

Microcontr 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



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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

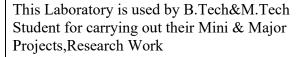
SMPS Trainer Kit

LCR Q Meter

Speed Control of DC motor Trainer kit

DSO-1052 B: 50 Mhz Single Phase Variac 270V,

RESEARCH LAB





Hardware:

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

Opearting Systems Installed:

Windows 8 Professional, Ubuntu

Software:

Microwind, Xilinx12.3.

Internet Connection:

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





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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,HPkeyboard,HP optical Mouse,WPP OS HP 18.5 TFT monitor

Opearting Systems Installed:

Windows 8 Professional, Ubuntu

Internet Connection:

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



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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,HPkeyboard,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

nternet 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



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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.



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



Hardware:

SINGLE STAGE BJT C.E AMPLIFIER DUAL REGULATED POWER SUPPLY FUNCTION GENERATOR, 3 MHZ DSO100Mhz& 50MHz,LIC Trainer Kit,Analog Trainer Kit,DC transfer Charactristics,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,Multimet er etc.