



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

Director : 7249250115, Joint Director : 7249250117, Principal : 7249250186

Exch : 7249250183, 7249250184, 7249250185

Website : www.aitpune.com Email : ait@aitpune.edu.in

Recognised by AICTE and DTE Maharashtra and affiliated to Savitribai Phule Pune University

Department of Electronics & Telecommunication

List of Laboratories

Basic Electronics Lab



Area : 64 Sq.m

Equipment

- Aplab Single/Dual DC/Multioutput Power supply
- Universal System(Metex)
- PLC trainer kit with OR encoder
- Digital Storage Oscilloscope
- Logic Analyser 24-Channels
- CRO with Freq Counter
- Function Generator
- Basic Electronics Experimental Kits



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Digital & Microprocessor Lab



Area : 99.81 Sq.m

Equipment

- Linear cum Digital IC Tester
- Function Generator / Counter
- Aplab Single regulated DC Power supply Digital Trainer Kits
- Microcontroller Trainer Kits
- ARM & Cortex kits
- HP I5 PCs
- Champion Make : 6 KVA Online UPS



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Power Electronics & Network Lines Lab



Area : 67 Sq.m

Equipment

- CROs/DSOs
- Function generator
- Aplab Single/Multioutput/Dual Dc power supply
- Universal System(Metex)
- TRUE RMS DMM
- SCR converters and reactive load
- Power Electronics Experimental Kits
- Labview Software
- HP I5 PCs
- Laser Printer
- UPS RM 3KVA



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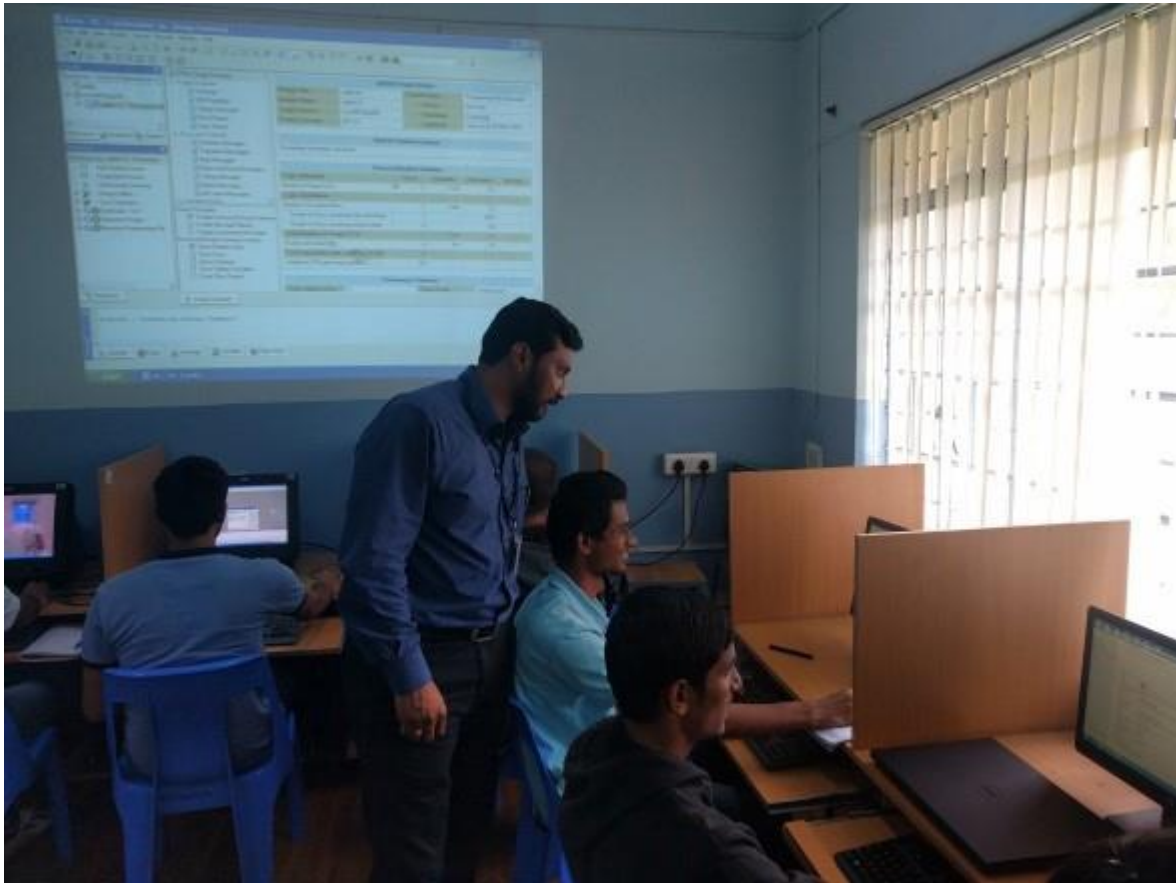
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■ Programming Lab



Area : 68 Sq.m

Equipment

- HP I5 PCs
- DB Electronics UPS 10 KVA
- APPLE IPAD
- Laser Printer
- HP 3400 Scanner
- BENQ DLP Projector
- Multisim Software



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Computer Systems Lab



Area : 71.68 Sq.m

Equipment

- HP 6200/6300/EliteDesk (I5) PCs
- Lenovo M90 I5 PCs
- HP Workstations with NVIDIA Graphic Cards
- Server IBM x255 Prestonia
- Eaton Make Online UPS
- Laser Printer
- HP Scanner
- Projector Infocus IN 112
- Matlab R2014 with toolboxes
- Kaspersky Antivirus



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VLSI & Embedded System Lab(CS-II)



Area : 51.8 Sq.m

Equipment

- VAB DSP&TMS 320VL6711 DSK starter kit
- DSP-6713 Starter Kits
- Spartan III protoboard with onboard device XC3S400 PQ208
- Arm-07 and Arm -09 Spirit Boards
- MSP430 Microcontroller kits
- Xilinx Make ISE series US-ISE-FND (VER 9.1)
- Microwind Software 3.5
- Triton IDE for windows 7



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Communication Lab



Area : 66.6 Sq.m

Equipment

- Universal system
- Arbitrary w/f generator
- Frequency counter & function generator
- 60 MHz oscilloscope
- Spectrum analyzer
- DSP 100 MHz with color LCD DS 1102 CD
- TRUE RMS METER
- Set-top box
- Trainer Kits
- HP I5 PC



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PCB Lab



Area : 33 Sq.m

Equipment

- Proto-contact PCB Artwork Film Maker
- Proto-cure02 PCB Curing Machine(Oven)
- PCB Drilling machine
- Photo resist dip coating machine
- Proto-Etch PCB Etching machine
- PCB Sharing Machine
- Double Sided UV Exposure Unit
- UV exposure unit



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Robotics & Project Lab



Area : 68 Sq.m

Equipment

- Multi waveform Signal generator
- Dual Trace Oscilloscope
- Trace Oscilloscope
- Regulated Power Supply



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Electrical Lab



Area : 81 Sq.m

Equipment

- DC shunt motor
- DC motor- generator set
- DC series motor
- Alternator-DC motor set
- Synchronous motor
- Auto transformers
- Ultrasonicator
- Hand press and Analog meters



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Advanced Communication Lab



Area : 66.6 Sq.m

Equipment

- Microwave Test Bench, Reflex Klystron
- Gunn diode, directional coupler, Waveguides, Antennas, Attenuators, Isolators, Keyston Tube, Optical Power Meter
- Antenna Trainer Kit
- Fiber Optics Experimental Kits