

DEPARTMENT OF INFORMATION TECHNOLOGY

Laboratories Details

The department is equipped with state of art, Ultra-modern and sophisticated programming labs and classrooms with fully updated faculty. The department has a well-established LAN of 140 IBM and HP machines. The ambience and the ergonomic design of the labs enhance students' appetite for acquiring programming skills. The internet facility with 500Mbps leased line and Wi-Fi is available to the students.

The department has following

Laboratories:

- Machine Learning Lab equipped with high configuration PCs with 1 HPC server used for R&D and projects.
- Programming Lab I & Lab II equipped with latest PCs used for programming in C & C++.
- All systems are dual boot.
- An ultra-modern lecture hall equipped with video projection systems and class room for conventional as well as e-learning needs of the student.

Software:

- Oracle 10g - 100 user
- IBM Rational Software Architect - 30 user
- IBM Rational Suite Enterprise – 30 user
- Packet Tracer 5.3
- Network Simulator 2 and 3
- Visual Studio 2015

IT Programming Lab 1



Area of Laboratory: 81.38 Sq.Mtr

Laboratory Resources

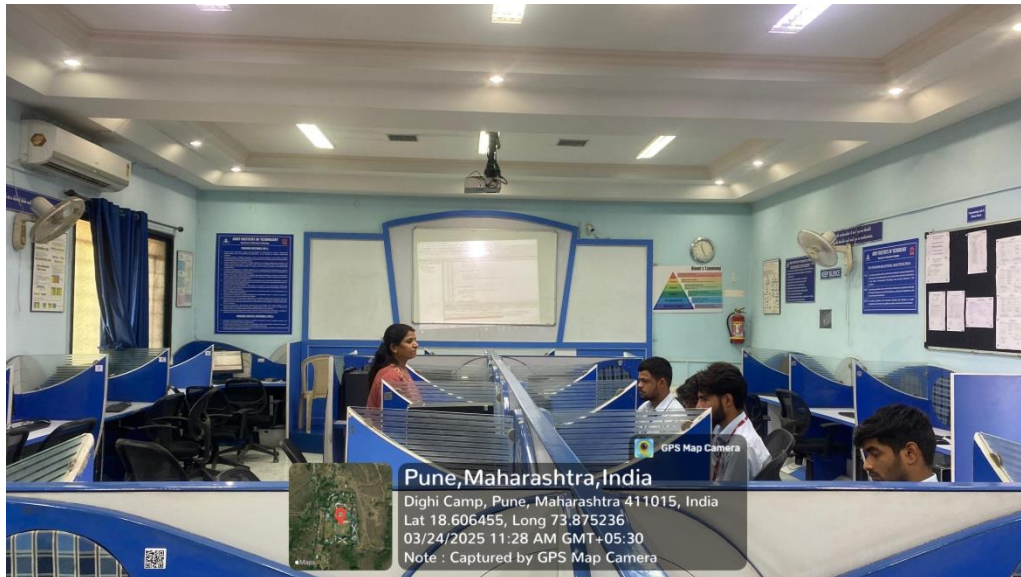
Hardware :HP i5 6300 Pro Micro Tower, HP i5 6200 Pro Micro Tower, Lenovo D2C, IBM Think Center, HP Elite Desk 800gh Tower pc i7,HP LaserJet Printer 1020, HP - 7400 Scanner,10 KVA online ups, HP printer with scanner.

Software :Windows 10/Windows 11,Ubuntu 24, Oracle 10g, Visual Studio 15, JDK1.1.8, Eclipse, Turbo C,C++, Visual Studio 10, SQL Server 10, Office 2016, codeblock, kaspersky Antivirus, python, MongoDB, Anaconda, Hadoop, MYSQL.

Practical's conducted: DBMSL, CGL, Audit course

Utilization of Laboratory: SE, TE

IT Programming Lab 2



Area of Laboratory: 81.38 Sq. Mtr

Laboratory Resources

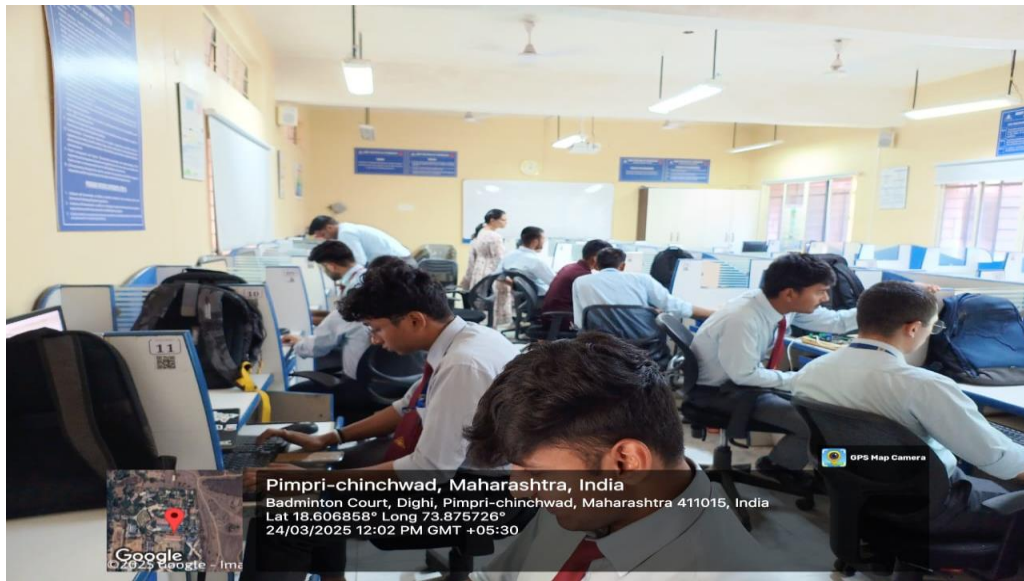
Hardware : HP i5 6300 Pro Micro Tower, HP Compaq Elite 8300 Micro Tower, Lenovo D2C, Think Center, LCD Projector Sharp Model, 10 KVA UPS, HP LaserJet1020 plus Printer.

Software : Windows 10/Windows 11, JDK1.8, Eclipse, Visual Studio 10, MY SQL Server 8.0.04, Office 2016, codeblock, Anaconda, Hadoop, MYSQL, Mongo DB.

Practical's conducted: DBMSL, CGL, PBL, and Internship.

Utilization of Laboratory: SE, TE

IT Programming Lab 3



Area of Laboratory: 90.58 Sq. Mtr

Laboratory Resources

Hardware: HP EliteDesk core i7, HP Prodesk core i7, Digital Trainer Kit, 8051 Microcontroller Development Board, LCD Projector, and HP LaserJet Pro MFP M126nw Printer.

Software: Windows 10/Ubuntu 24, JDK1.8, Eclipse, Turbo C, C++, Office 2016, Kaspersky Endpoint Security, MPLAB X IDE v2.0.

Practical's conducted: LDCO, PSDL, and Internship.

Utilization of Laboratory: TE, SE

Software Lab-I



Area of Laboratory: 81.38 Sq. Mtr

Laboratory Resources

Hardware : HP Elite Desk 800 G1 TWR, HP i7, LCD Projector, Workstation Hardware: 1 x Intel Xeon 16 Core CPU, 4 x 16GB DDR4 ECC RAM, 1 x 2TB 2.5" SATA 6Gb/s 7.2K RPM HDD's, 1 x 240 GB 2.5" SATA 6Gb/s, SSD's, 1 x 800W SMPS Power supply , Tower Mount Cabinet chassis, 18" Display compatible for workstation, USB Mouse & Keyboard, GPU: 1x 24GB NVIDIA GeForce RTX 3090 (Ampere Architecture), Inference/Deployment Embedded Platform, Camera Setup: Thermal camera, 3D- Stereo camera, Night vision camera, IP camera – wireless, USB camera, AIOT Lab Setup

Software: Windows 10/ Ubuntu 22.04, Visual Studio 15.0, JDK1.8, Eclipse, C++, Visual Studio 10, Office 2016.

Practical's conducted: M3 Tutorial, LP2, Audit, PBL, and Internship.

Utilization of Laboratory: SE, TE & BE.

Machine Learning Lab



Area of Laboratory: 81.00 Sq. Mtr

Laboratory Resources

Hardware Intel Core i5, HP 6300 i5 Pro micro Tower, Cisco SRW 2024 (24 Port), 10 KVA UPS & Battery 12 V SMF 26AH, DL-P Projector Panasonic, HP-280 G3M I7 Dos HP-i7, Intel Core I7-6700 (3.4Ghz, 8MB Cache, 4Core), HP Core i5-4570, 3.2 GHz, Cisco Access Point WAP 321, Logitech R800 Professional Presenter, LG Splitter Air Conditioner 2T, Web Cam Zebronic USB, Head Phones Zebronic

HPC SERVER:

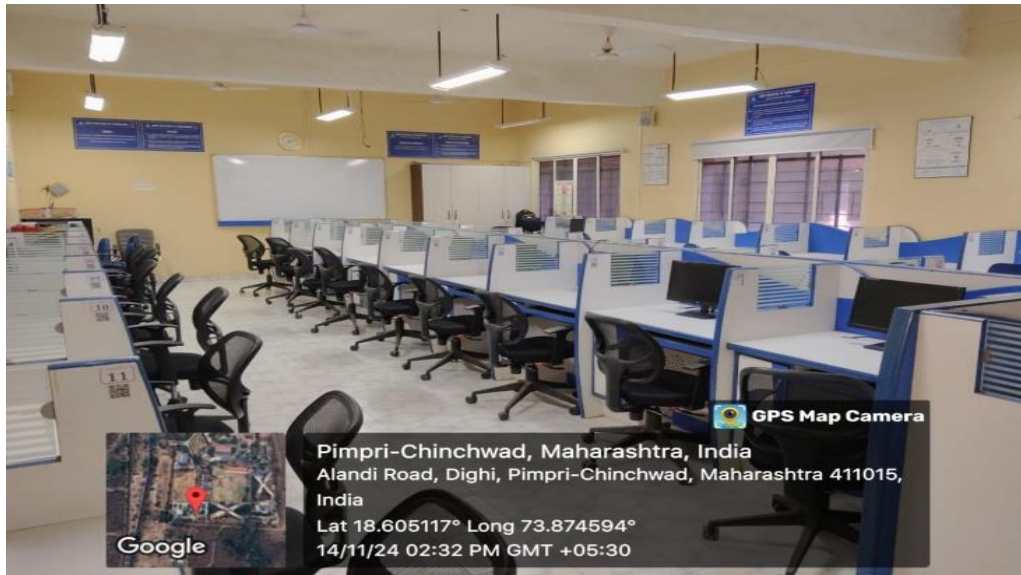
- Computer System Part No. Esc-Gpu-Sys3u Server Machine Up to 8 GPU/3600w Power Supply/2x Intel Xeon CPU/128 Ddr4 ECC RAM/ 2x Seagate Enterprise Class 2TB HDD 2.5" 6gb/S 512GB M.2 SSD For Operating System
- NVIDIA Quad Rtx6000 24GB Ddr6 Turing
- NVIDIA Tx2 Development Kit With 1 TB Hard Disk and SSD Drive

Software: Windows 10/ 11/ Ubuntu 24, IBM Rational Seed Program RSA, NetSim Component -5 & 6 (Sensor Netsim), NetSim etc. Office 2016

Practical's conducted: CNSL.

Utilization of Laboratory: TE

Hardware Lab



Area of Laboratory: 81.38 Sq.Mtr

Laboratory Resources

Hardware: Microcontroller 8051 Kit, Digital kits, Microprocessor Kit

Software: MPLAB X IDE v2.0, 6.15.

Practical's conducted: PSDL, LDCO.

Utilization of Laboratory: SE

Project Lab



Area of Laboratory: 53.76 Sq. Mtr

Laboratory Resources

Hardware: Lenovo I3, Netgare Wi-Fi 6 router, LG spiter air conditioner, CCTV camera, TV.

Software: Windows 10 /Ubuntu 20.04, JDK1.8, Eclipse, Turbo C, C++, Packet Tracer, NS2.34, AutoCAD 2004, Visual Studio 10, Office 2013, IBM Rational Seed Program RSA, IBM Rational Seed Program RSA, NetSim Component - 5 & 6 (Sensor Netsim), NetSim

Practical's conducted: Project work

Utilization of Laboratory: BE

Artificial Intelligence Lab



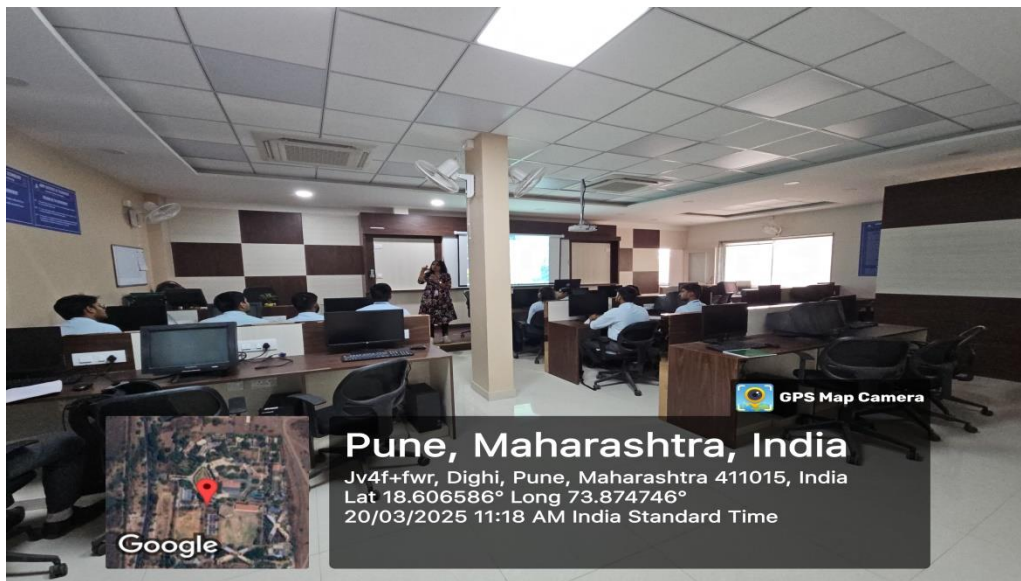
Hardware: Acer Virton M 200H 610 i7,16GB RAM, 500GB SSD,1TB HDD, HP I5 8 GB RAM,500 GB HDD, projector, HP 10zp plus printer, HP I7 Z2 G9 Desktop workstation 16 GB RAM 1 TB HDD

Software: Windows 10 pro/ Ubuntu 20.04, JDK1.8, Eclipse, Google cloud, Hadoop.

Practical's conducted: DSBDAL, CC, LP2, Workshops.

Utilization of Laboratory: TE

Next Generation Lab



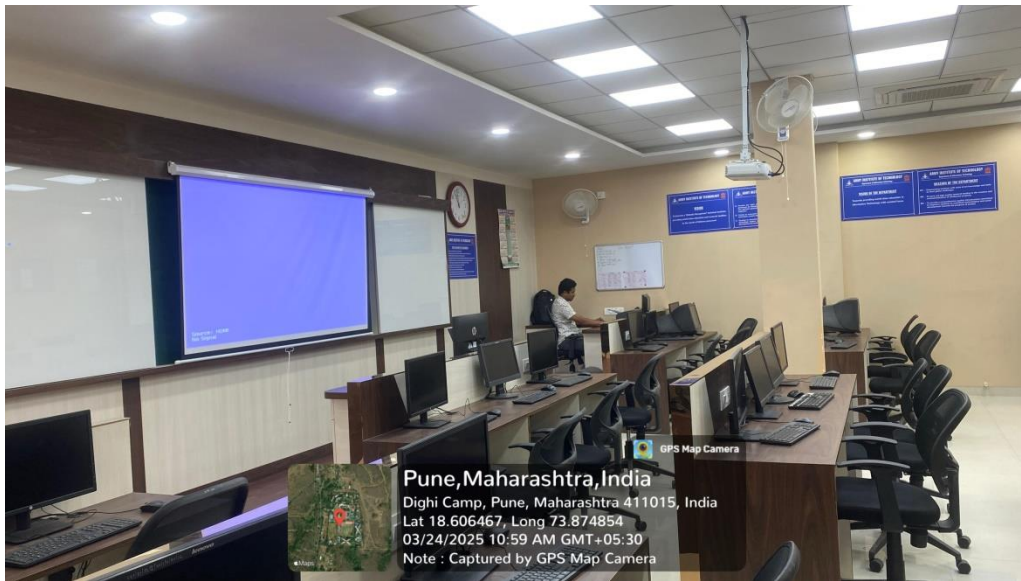
Hardware: HP Pro Tower280 G9, Projector, Projection screen, Splitter, Network switch, Router Netgear, Printer HP Laser jet pro MFP M126NW.

Software: Windows 11 pro/ Ubuntu 24, JDK1.8, Eclipse, Google cloud.

Practical's conducted: PBL, Internship

Utilization of Laboratory: BE, SE

Multimedia Lab



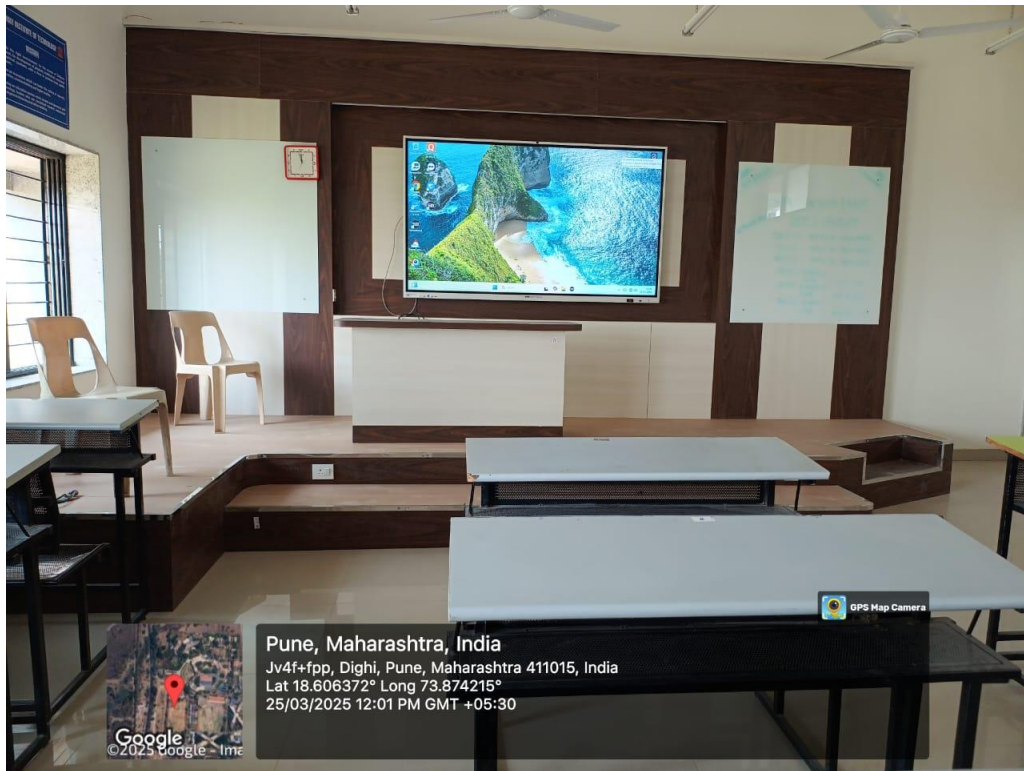
Hardware: HP Pro Tower 280 G9(pc), 16 GB RAM 1 TB HDD 512 SSD, Projector, splitter, projection screen, Network switch, router Netgear, Emerson Liebert ITA 220KVA UPS, HP Printer.

Software: Windows 11 pro/ Ubuntu 24, JDK1.8, Eclipse, Google cloud, Anaconda.

Practical's conducted: PBL, Internship

Utilization of Laboratory: TE, BE

Class Room



Senses Screen Specifications: 12th gen Intel core i7 Processor, Windows 11 pro, 8GB RAM, Pen and Touch support with 40 touch points.