

Sr. No	Name of Lab	Name of important equipment
1	Multimedia Lab	Digital kits, Lenovo H50 Intel H81, 4GB RAM, 500GB HDD, USB Keyboard, USB Mouse
2	Web Development Lab	Lenovo H50 Intel H81, 4GB RAM, 500GB HDD, USB Keyboard, USB Mouse
3	Programming Lab	Lenovo H50 Intel H81, 4GB RAM, 500GB HDD, USB Keyboard, USB Mouse
4	DE & MP LAB	Computers- Dell Vostro 3268 Desktop 1 TB Hard Disk, 8 GB RAM Dell Standard USB, Mouse
5	Computer Network Lab / Computer Center-I	Computers- Dell, 1 TB Hard Disk, 8 GB RAM Keyboard -Dell Standard USB Mouse
6	Database Lab / Computer Center-II	Computers- Dell, 1 TB Hard Disk, 8 GB RAM Keyboard -Dell Standard USB Mouse ,CUDA Cards 1GB
7	Computer Center	Computers- Dell, 1 TB Hard Disk, 8 GB RAM Keyboard -Dell Standard USB Mouse .
8	Project & Research Lab	Intel server (Intel Xeon processor 1.8 GHz, Quad Core, 8GB RAM, 1 TB HDD.) Computers- Dell Vostro 3268 Desktop 1 TB Hard Disk, 8 GB RAM Dell Standard USB, Mouse

Lab name : Multimedia lab



The Multimedia Lab is a multi-computer teaching facilities dedicated to integrating creative technology with teaching and learning. The Lab is equipped with technical support for software development and graphics.

Lab name : Web development lab



Web development Lab is having programming environment where students can design simple web pages using HTML and CSS.

Lab name : Programming lab



The programming lab provides hands-on projects and assignments where students will gain strong practical and technical skills in various programming languages including C, C++, and Java, UNIX/Linux: shell, tools, utilities and programming environments, user interfaces, and software engineering principles.

Lab name : DE & MP lab



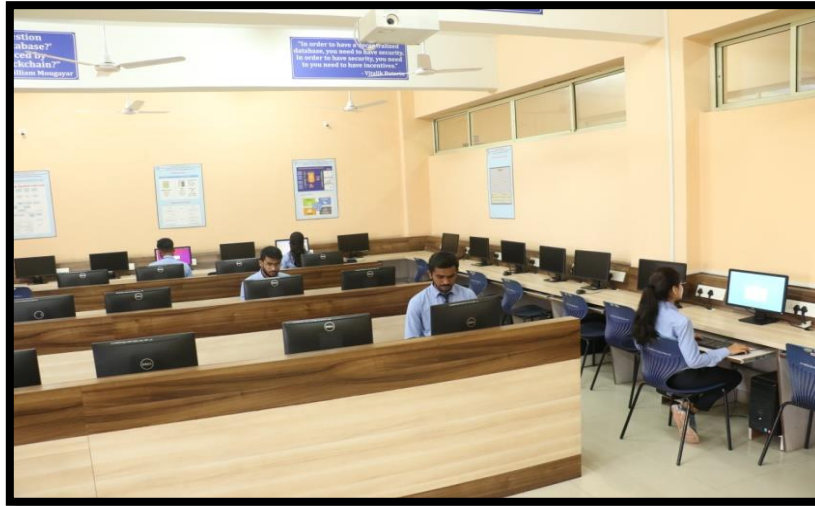
DE and MP lab provides the environment to students for studying and learning basic knowledge about digital electronics and microprocessor. The laboratory has required equipment and consumables along with Digital Electronics Simulator Premium License (160 licenses) to carry out the experiments as per the syllabus.

Lab name : Computer Network Lab / Computer Center-I



This lab is equipped with the latest networking related devices and lab facilitates for students to perform Computer Network practicals. All important Network Simulators like Cisco Packet Tracer, NS2 are installed to perform practical's by students.

Lab name : Database Lab / Computer Center-II



Database lab is installed with latest software related to database. The lab facilitates students to perform Database related practicals. All important software like MySQL and MongoDB are installed to perform practical's by students.

Lab name : Computer Center



Computer center provides computing facilities to all students for their programming related practical work and Internet surfing. Students get opportunity to practice and strengthen their programming skills. Other things like conduction of on-line tests, exam form filling, seminars and guest lectures are taken in computer center.

Lab name : Project & Research Lab



Students carry out their project work in the project laboratory. Students also take part in Hackathon, Robocon and other state and national level project Competition. The project topics include IoT, Machine Learning, Data Mining, Augmented Reality etc. Software and hardware resources are available for students in project lab and students make use of these software/tools for carrying out project work.

Training on Cyber Security- Attended by non teaching faculties



Special Training attended by Non teaching faculties: Cyber Security from 30th april to 5th of may 2019 organized by PMMMNMTT .

Additional facilities

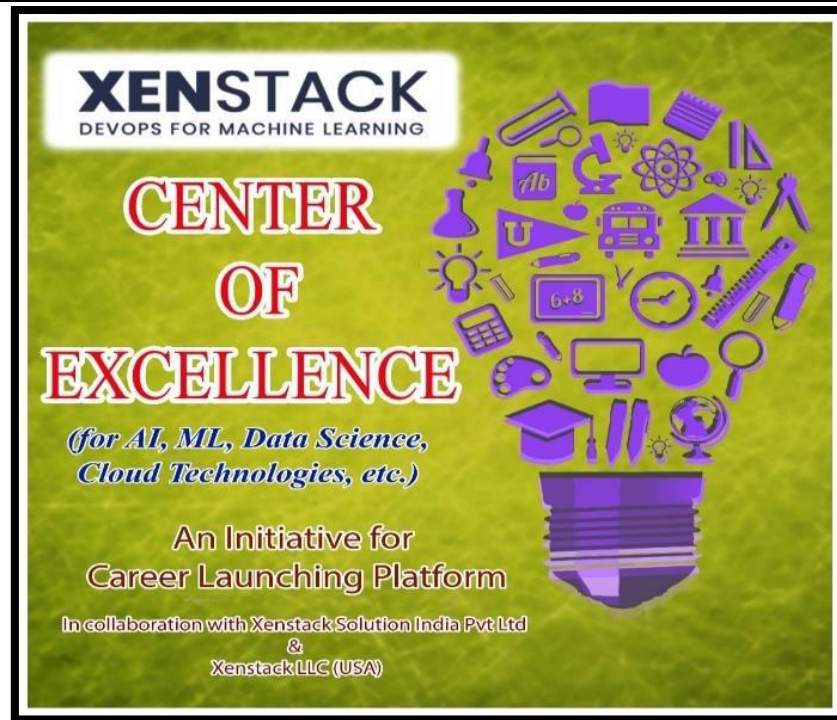
Sr. no	Facility Name	Details	Areas in which students are expected to have enhanced learning
1	Xenstack, Center of excellence	20 Dell computers with 1 TB hard disk and 8 GB Ram.	Improves skill in Big Data, IOT, Machine Learning, Cyber security & DevOps solutions.
2	Hackersera Center of excellence	Facility to enable students to explore knowledge of cyber security domain.	Skill development in the field of Ethical Hacking & Information Security
3	NPTEL local chapter	Largest online repository in the world of courses in engineering, basic sciences and selected humanities and social sciences subjects	Skill development in the field of various computer engineering domains
4	FOSS CENTER In collaboration with Spoken Tutorial IIT Bombay	20 Dell computers with 1 TB hard disk and 8 GB Ram also with headphone facility	1) Learning from source code, 2) Encourages innovation, 3) FOSS also discourages piracy by students. 4) Open sharing of ideas, theories, studies and research
5	Jetson and other IOT kit	Raspberry pi, Beagleboard with DC motor simulator, traffic light simulator, elevator simulator	1) Interactive learning 2) Capabilities to predict and use in IOT projects.
6	GPU	10 CUDA Cards of 1 GB each	Parallel programming
7	Microprocessor Trainer Kit.	Dynalog make 8086 Kits with	Microprocessor knowledge

		peripherals like 8253, 8259, 8279, stepper motor.	
8	Oculus headset	1 Virtual Reality Camera	Augmented reality and virtual reality areas.
9	3 D printer	3D Printer with Fused Filament Fabrication Technology, Print Area: 209x209x150, Nozzle Diameter: 0.4mm, Supply Voltage: 12volt 10 Amp, Connectivity: USB Type B, SD Card Support available.	1) Creativity 2) Design thinking 3) Communication and Collaboration
10	Kinect Sensor	Kinect sensor Xbox 360 motion sensor	Gaming knowledge
11	Exambuzz	Desktop with domain, server hosting and uploaded with question bank.	1) Problem solving 2) Engineering knowledge
12	Kiosk	kiosk is a computer terminal featuring specialized hardware and software that provides access to information in library	They can provide access to key educational resources and tools, as well as providing internet access for research purposes. (self learning)

13	E-learning resources (Knimbus Software)	Knimbus software and also desktop with domain ,server hosting and assignments, PPTs and tutorials uploaded by faculties	1) Self-paced learning. 2) Enhanced technological support
14	Computer Center	It consist of more than 80 computers having open source software for encouragement of higher studies and innovation	1) Computing facilities 2) Programming related practical knowledge 3) Strengthen their programming skills
15	Workstation	Dell Precision Tower T3640 Intel Core i7-10700(8Core,16MCache 2.9GHZ 8GB DDR4 2666 or 2933 Memory, 1TB 3.5" 7200 RPM, Graphics IGC, Optical Drive 16X Half Height DVD RW Dell Optical Mouse MS116, Dell Keyboard KB216, Windows 10Pro, 3 Years Onsite Service. 256GB PCIe M.2 2280 SSD 8 GB DDR 4 RAM Nvidia Quadro RTX 4000	1) Project Development

16	Computer Lab Models	Model of heat sink, cable, tool kit, resistor, inductors, router , model of topology ,cryptology, DBMS, shortcut keys, multimedia tolls, data structure puzzles, Tower of Hanoi etc	1) Project Development 2) Working of Fundamentals of computer engineering. 3) practical knowledge improvement
17	Department Lobby (E-shishyakulam)	Having seating arrangements, WIFI, for students and TV for department information,	1) Team work 2) Communication 3) Problem Analysis
18	Department Library,	Library is having 128N books, Project reports, OBE Manual, Journals etc	Engineering knowledge, Problem analysis, Communication, Life long learning
19	Internet, Wifi , access points	200 Mbps network speed with two lines (Tata, limras)	Research, Design and development of solution, Investigating complex problem, Modern tool usage etc
20	Smart Board	Smart board IWB(Interactive white Board)	1) Understanding 2) Creativity 3) Communication 4) Problem analysis

COE : Xenstack, Center of excellence



Students can learn about IT infrastructure management and Big Data, IOT, Machine learning, Cyber security & DevOps solutions.

FOSS CENTER In collaboration with Spoken Tutorial IIT Bombay



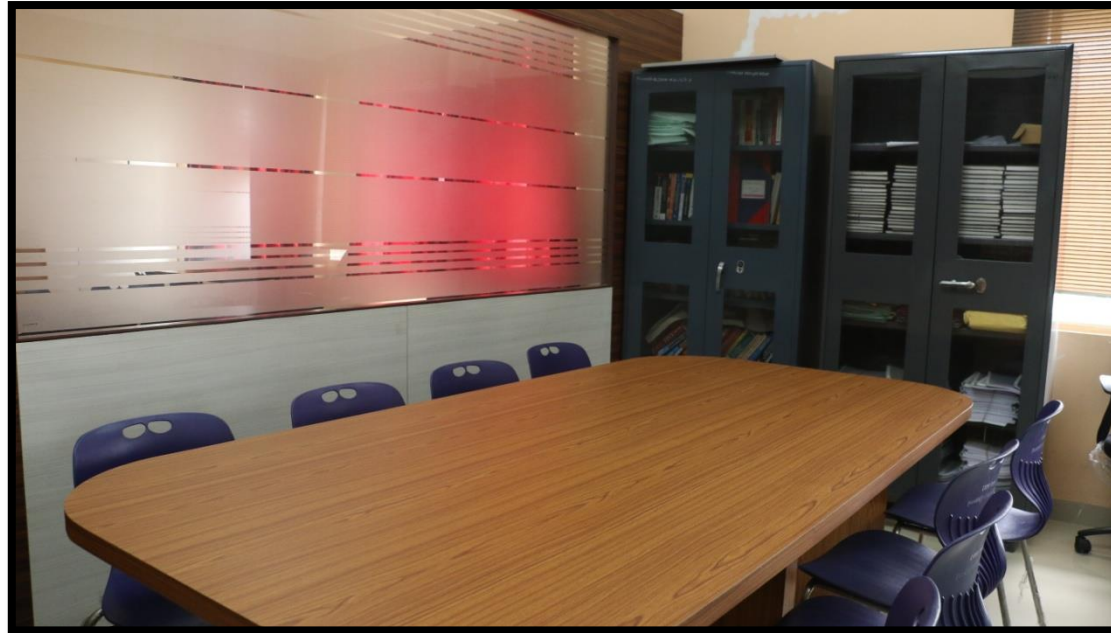
Student can examine and experiment with software concepts at virtually with no cost . Various FDP, seminar and sessions are conducted under FOSS.

Department Lobby (E-shishyakulam)



In break or after class students can seat and discuss ideas, develop projects and also can plan for any upcoming events. They are having access to wifi in lobby , so that they can do surfing and their work.

Department Library



Library is having 128N books, Project reports, Manuals, Journals etc

Server lab



Server lab is having , Desktop Systems, Printer & Scanner, External USB DVD Writer & Hard Disk, Network Devices & Equipments, Power Supply Backup Unit and Camera DVR