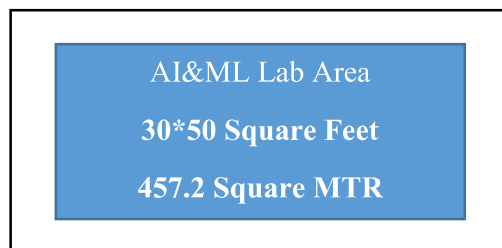


Laboratory Details of Artificial Intelligence & Machine Learning Department

AI & ML Lab (C Wing 2nd Floor)



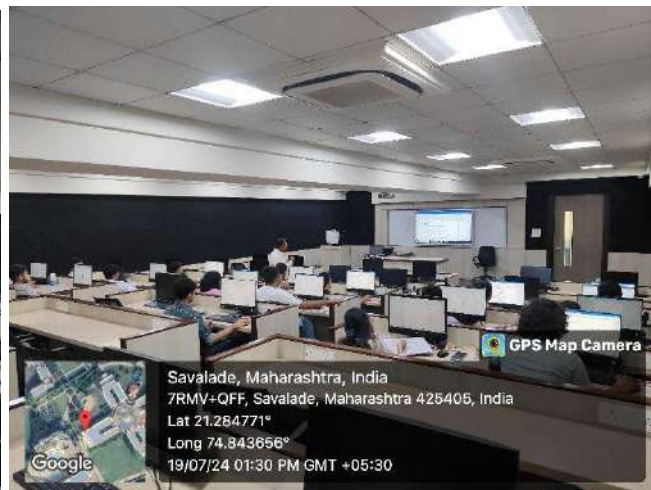
AI and ML labs play a vital role in the education of computer science students by providing practical experience, enhancing skill development, and opening up career opportunities, promoting interdisciplinary learning, and fostering innovation. AI and ML labs foster an environment of innovation where students can experiment with new ideas and technologies. This creative aspect is crucial as students are encouraged to think critically and develop novel solutions to problems, which is essential for driving technological advancements in the industry. The lab has 30 desktop computers, each featuring an Intel Core i5 processor and 8 GB RAM. Additionally, it includes a 75-inch LED screen SENSES Smart Board connected to a desktop with an Intel Core i5 processor. All machines come pre-installed with the necessary software. The total setup cost for the laboratory amounts to Rs. 16,58,260 /-

Major Equipment: -

| Sr. No | Item | Model | Description | | No. of Item |
|--------------|-------------|--|--------------|---|-------------|
| 1 | Desktop | HP Pro One 600 G6 22 All-in-One PC | Processor | Intel(R) Core (TM)i5 - 10500T CPU @ 2.30GHz | 30 |
| | | | SSD | 512 GB SSD | |
| | | | RAM | 8GB | |
| | | | Board | Intel Motherboard | |
| | | | Monitor | IPS LED 22" | |
| | | | Mouse | HP USB Optical Sensor | |
| | | | Network | LAN, Wi-Fi | |
| | | | Keyboard | HP USB Keyboard | |
| | | | Drives | DVD RW (R\RW) | |
| 2 | Smart Board | Senses Intelligent Panel - 75" Smart Board | Processor | Intel® Core™ i5-9500CPU 3.00GHz | 1 |
| | | | Hard Disk | 1 TB | |
| | | | SSD | 128 GB | |
| | | | RAM | 8GB | |
| | | | Board | Intel | |
| | | | Display | LED 75" | |
| | | | Network | LAN, Wi-Fi | |
| | | | Input Method | Pen, Finger Touch | |
| Total | | | | | 31 |

Laboratory Details of Artificial Intelligence & Machine Learning Department

| Sr. No | SOFTWARES | Sr. No | OTHER DETAILS | No. of Item |
|--------|---|--------|---|-------------|
| 01 | Operating Systems: - Windows 10 Pro | 01 | No of Chairs | 50 |
| 02 | Programming Languages:- C, C++, Java, Python, Node JS | 02 | No of Lights | 24 |
| 03 | Programming Languages IDE:- Code blocks, Eclipse, Python 3.12 IDLE, Anaconda 3, Jupyter Notebook, XAMPP Server, VS Code, MongoDB Compass, | 03 | No of Fans | 00 |
| 04 | Licence Software: MS Office 16 Pro Plus, Windows 10 Pro, Symantec Endpoint 14 | 04 | No of ACs | 02 |
| 05 | Open Source Software: Code blocks, Eclipse, Python 3.12 IDLE, Anaconda 3, Jupyter Notebook, XAMPP Server, VS Code, MongoDB Compass, Acrobat Reader | 05 | CCTV Camera | 01 |
| 07 | Antivirus SW: - Symantec Endpoint 14 | 06 | High-Speed Wi-Fi , Uninterrupted Power Supply Fire Safety measure | |



Lab Assistant

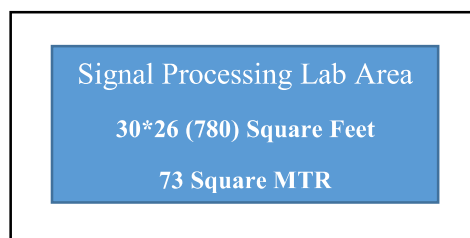
Mr. Rajeshwar Wagh

Lab in charge

Prof. Rajesh Verma

Laboratory Details of AIML Department

Signal Processing Lab (C Wing 1st Floor)



The Signal Processing lab serves undergraduate AIML students, focusing on subjects such as Signals & Systems, Image Processing, and Image & Video Processing. It is primarily utilized for hands-on practical sessions covering basic MATLAB, Simulink, Python & openCV. The lab has 32 desktop computers, each featuring an Intel Core i5 processor and 8 GB RAM. Additionally, it includes a 75-inch LED screen SENSES Smart Board connected to a desktop with an Intel Core i5 processor. All machines come pre-installed with the necessary software. The total setup cost for the laboratory amounts to Rs. **18,26,320** /-.

Major Equipment:

| Sr. No | Item | Model | Description | No. of Item | |
|--------------|-------------------|------------------------------------|--|---|----|
| 1 | Desktop | HP Pro One 600 G6 22 All-in-One PC | Processor | Intel(R)Core (TM)i5 - 10500T CPU @ 2.30GHz | 32 |
| | | | SSD | 512 GB SSD | |
| | | | RAM | 8GB | |
| | | | Board | Intel Motherboard | |
| | | | Monitor | IPS LED 22" | |
| | | | Mouse | HP USB Optical Sensor | |
| | | | Network | LAN, Wi-Fi | |
| | | | Keyboard | HP USB Keyboard | |
| | | | Drives | DVD RW (R\RW) | |
| 2 | Smart Board | SENSES 75 IV2000 | Processor | 12 th Gen Intel® Core™ i7-12650H CPU 1.50GHz | 1 |
| | | | Hard Disk | 1TB | |
| | | | SSD | 256 GB | |
| | | | RAM | 8GB | |
| | | | Board | Intel | |
| | | | Display | LED 75" | |
| | | | Network | LAN, Wi-Fi | |
| Input Method | Pen, Finger Touch | | | | |
| 3 | Network Switch | Cisco 48 Port Switch | Ethernet Routing Switch (Catalyst 2960-x series WS-C2960X-48FPD-L) | 1 | |
| Total | | | | 34 | |

Laboratory Details of AIML Department

| Sr. No | SOFTWARES | Sr. No | OTHER DETAILS | No. of Item |
|--------|---|--------|--|-------------|
| 01 | Operating Systems: - Windows 10 Pro | 01 | No of Chairs | 35 |
| 02 | Programming Languages:- C, C++, Java, Python, Node JS , | 02 | No of Lights | 16 |
| 03 | Programming Languages IDE:- Code blocks, Eclipse, Python 3.12 IDLE, Anaconda 3, Jupyter Notebook, XAMPP Server, VS Code, MongoDB Compass, | 03 | No of Fans | 04 |
| 04 | Licence Software: MS Office 16 Pro Plus, Windows 10 Pro, Symantec Endpoint 14 | 04 | No of ACs | 02 |
| 05 | Open Source Software: Code blocks, Eclipse, Python 3.12 IDLE, Anaconda 3, Jupyter Notebook, XAMPP Server, VS Code, MongoDB Compass, Acrobat Reader | 05 | CCTV Camera | 01 |
| 07 | Antivirus SW: - Symantec Endpoint 14 | 06 | High-Speed LAN, Uninterrupted Power Supply Fire Safety measure | |



Lab Assistant

Mr. Lalitsing Pawar

Lab in charge

Prof. Mayank Kothari.