



TAGORE ENGINEERING COLLEGE

Department of Information Technology

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

Rathinamangalam, Vandalur – Kelambakkam Road, Chennai, Tamil Nadu- 600 127, India

List of program specific labs and computing facility

S. No	Name of the Laboratory	No of Systems	Configuration
1	System Programming Laboratory	30	Intel Processor i3-11400 GigaByte MBH510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell USB keyboard and Dell USB Mouse Operating System: UBUNTU 22.04.1 Software Used: Python 3.10.4, GCC, JDK 17.0.4
2	DBMS Laboratory	30	Intel Processor i5-11400 GigaByte MBH510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboardand Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: Mysql Client core-8.0, Python 3.10.4, GCC
3	Web Application Development Laboratory	30	Intel Processor i5-11400 GigaByte MBH510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboardand Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: HTML,VSCODE

4	System Designing Laboratory	30	Intel Processor i5-11400 GigaByte MB H510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboard and Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: ArgoUML
5	Mobile Application Development Laboratory	30	Intel Processor i5-11400 GigaByte MB H510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboardand Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: Android Studio 2021.2.1.15, Virtual box 6.1
6	Network and Security Laboratory	30	Intel Processor i5-11400 GigaByte MB H510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboardand Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: Android Studio 2021.2.1.15, Virtual box 6.1
7	Project and Research Laboratory	30	Intel Processor i7-11400 GigaByte MB H510 M-H, Crucial RAM DDR4 8GB, Crucial Micron SSD BX500 480GB, Dell Monitor 20" LED D2020H, Fingers Cabinet With SMPS, Turbo Mini Dell Usb keyboard and Dell Usb Mouse Operating System: UBUNTU 22.04.1 Software Used: Selenium 4.16, Virtual Box 8, Hadoop
Total		210	

Laboratories: Maintenance and overall ambiance

A. Daily Maintenance

- The Lab Instructors check the working conditions of the computers daily.
- The Lab Instructors are regularly checking the cleanliness of the laboratory.
- The Lab Instructors maintain the utilization registers.
- The connectivity and quality of the LAN cables are checked daily.

B. Monthly Maintenance

- The Lab Instructors perform defragmentation, deleting temporary files from the Windows and Browser.
- The Lab Instructors check the ribbon impression condition and change the printer cartridge.
- Air Quality checking and odour testing are performed in Air Conditioners.
- Checking the Resolution.
- OS Updatons are performed on the computers.

C. Yearly Maintenance

- Proper licence maintenance is ensured for software and renewal is done.
- Annual maintenance is done for each equipment in the laboratory.
- Scrap items are identified, classified, and removed.
- Yearly budget is proposed and upgradation is done.
- Stocks are periodically verified to confirm the availability of the equipment.

D. Overall Ambience

- Laboratories are well equipped and maintained.
- Do's and Don'ts and Safety measures rules are displayed in each laboratory.
- Laboratories are equipped with proper lighting systems, air conditioners and ventilation.
- Research laboratory and department library is available for all faculties and students to carry out research work and projects.

All laboratories are equipped with LAN/WiFi for student and faculty usage.

- Separate stands are available in all laboratories to keep the personal belongings of the students.
- Shoe racks are available outside all the computer laboratory. Laboratory manuals are available in all laboratories as per the curriculum.
- Stock register of equipment and Files for service and maintenance, Invoice/Quotation, Timetable, Periodic stock verification report, and List of equipment are maintained in all laboratories.
- Facility for doing Mini Projects, Projects, and Research is available in the department.
- Whiteboards / blackboards are provided in all laboratories.
- Facility for doing Mini Projects, Projects, and Research is available in the department.
- Stock verification is done by Internal auditors who inspect the department laboratory equipment and furniture status every year

Safety Measures in Laboratories

Table 6.5

S.No.	Name of the laboratory	Safety Measures
1	System Programming Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
2	Database Management SystemsLaboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
3	Web Application Development Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
4	System Designing Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
5	Mobile Application Development Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
6	Network and Security Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts
7	Project and Research Laboratory	First Aid Kit, Fire Extinguishers, Instruction Board for Do's andDon'ts