

Details of Computer Centre

Name of Laboratory	No. of Computers with configuration	Other Equipment (LAN/Servers/Printers/Firewall etc.)	Legal Software (System & Application)
Computer Centre	Total 40 No's HP 280 G9 (40), Intel Core i7-12 Gen, 512GB NVME SSD, 16-GB RAM, Keyboard, Mouse, 19.5" Monitor	Total (Server) - 25 HP ProLiant ML350 Gen9 Server (4) HPE DL 380 Gen10 Server (1) Intel Xeon Silver 4208(2.1 GHz/8Core/85W) 1P 16GB DDR4 x3 12LFF Server (P02463-B21) 4TB SATA HDD, HPE Smart Array P816i-a HP 280 Pro G8 (20), Intel i7-11700 @ 2.50GHz CPUs, 256 GB SSD & 1 TB HDD, 32 GB RAM, HP Keyboard, HP Mouse, 19" Color TFT Monitor. APC SRC10 - 10 kVA Online UPS (2) Mikrotek 10 kVA Online UPS (1) Mikrotik 24 Port Switch (16) HP LaserJet Pro 570dw MFP Color Printer (1) HP LaserJet 603m Printer (2) HP LaserJet P2035 Printer (2) LCD Projector (1) Interactive Board/Smart TV (2)	As per list enclosed

Name of Laboratory	No. of Computers with configuration	Other Equipment	Legal Software (System & Application)
IOT Lab/ E-Yantra (Project) Lab And R & D Lab	Total 15 No's (05 - IOT / E-Yantra Lab) (10 - R & D Lab) HP 290 P0055IL, Intel i3-*th Generation CPU, 4 GB RAM, 1-TB HDD	Raspberry Pi 3 Model B+ and accessories: Raspberry Pi 3 Model B+ board Accessories: 5.1 V, 2.5 A official power supply for Rpi3, 16GB Class 10 MicroSD card (Samsung EVO/Sandisk), Rpi3 official case (Black/White),HDMI to VGA cable Arduino Mega 2560 R3 and accessories: Arduino Mega 2560 R3 board (original – made in Italy) with USB A to B cable Arduino Uno R3 and accessories: Arduino Uno R3 board (original – made in Italy) with USB A to B cable Node MCU Dev Kit: Node MCU Dev Kit Version 2 with ESP8266 -12E, USB to micro USB data cable Particle Photon IOT Module: Particle Photon IOT Module, USB to micro USB data cable	As per list enclosed  Prof. (Dr.) N. Sharma Director MAIT PSP Area, Sector-22 Rohini, Delhi-110086

Prof. (Dr.) N. Sharma
Director
MAIT
PSP Area, Sector-22
Rohini, Delhi-110086

		Temperature Sensor Module for Arduino Real-Time Clock Module DS1302 with Battery for Arduino Sensor Shield v5 for Arduino Mega Sensor Shield R3 for Arduino MAX6675 K Type Thermocouple Temperature Sensors Temperature 0-80 Degrees Module for Arduino/Raspberry-Pi/Robotics Alcohol Sensor Dust Sensor Ear-clip Heart Rate Sensor Gas Sensor(MQ5) Light Sensor(P) Moisture Sensor Sound Sensor FireBird V 2560 Spark V Robot Fire Bird V P89V51RD2 adapter card Fire Bird V LPC2148 adapter card P89V51RD2 Development Board Raspberry-Pi 3 Micro SD card (16 GB) USB Adapter 2A NRF24L01 Zigbee Modules 100m range Zigbee Modules Adapter Metal-gear Servo Motors Servo Motor Based Gripper kit for the Fire Bird V robot Sharp GP2Y0A21YK0F infrared range sensor (10cm to 80cm) 50Kg Half Bridge Experiments Body Scale Load Cell Sensor HX711 Dual-Channel 24 Bit Precision A/D weight Pressure Sensor IIC/I2C Serial Interface Adapter Module LCD2004 Parelle LCD Display with IIC/I2C Interface Ai Thinker Node MCU-ESP8266 Development Board	
--	--	--	--

		Male to Male Jumper wires 40 Pcs 20 Cm x3 GL-12 830 Points Solderless Breadboard PCB Mounted passive Buzzer Module LM358P PDIP-8 High Gain Operational Amplifier (pack of 5 IC's) 1k Ohm 3590S Precision Multiturn Potentiometer Solar Panel Radar Sensor 3s 10 Amp BMS Ultrasonic Single USB Module 2600 mah cell Four ch cell holder Breadboard LDR Module Jumper Wire ESP32 5mm LED & USB LED Battery Level Indicator Non touch infrared temperature module Raspberry Pi 3 B+ Raspberry Pi 4 Desktop Kit Without Raspberry Pi 37 in 1 Kit Arduino UNO with Cable HC-08 2 Channel 5V Relay Module 300 RPM BO Motor Tactile Push Button Switch Assorted Kit 20 Cm M-M, M-F, F-F Jumper wire VGA to HDMI Convertor 1.54" OLED display Module 128 * 64 Blue	
--	--	--	--

INTERNET FACILITY

S.No.	Particulars	Requirements as per Norms (1:4 for Engg., 1:6 for Pharmacy/ HMCT/Arch./Applied Arts and 1:2 for MBA/MCA)		Availability		List of Equipment added during previous year (Aug 2024 - July 2025)
1.	No. of Computer Terminals			1751		55
2.	Hardware Specification					
	• Server/ Latest Configuration			1751		
3.	No of terminals of LAN/WAN			All Terminals 1751		
4.	Relevant Legal Software	Application	System	Application Details given below	System Details given below	
5.	Peripheral(s)/ Printers			132		19
6.	Internet Accessibility (in Kbps & hrs.)			1000-Mbps OFC Leased Line (SIS Networks Pvt Ltd Internet) & 30 Mbps RF Link (SIS Networks Pvt Ltd Internet), 24 Hrs. accessibility including Hostel.		

Description of the Item	Quantity
Servers:	
Internet	1000 Mbps OFC Leased Line (SIS Networks Pvt Ltd Internet) & 30 Mbps RF Link (SIS Networks Pvt Ltd Internet), 24 Hrs. accessibility including Hostel.
Computers For Students:	1751
Computers For Library:	19
Computer For Staff:	60
Laptops For Faculty:	120
Other Laptops:	280
Online UPS: 15 KV	1
Online UPS: 10 KV	29
Projector: LCD Projectors	49
Smart Board	21
Printer LaserJet:	132
Scanners:	10
External Hard Disk (1 TB)	10
Pen Drives: 32 GB	25
Pen Drives: 64 GB	18

DETAILS OF SOFTWARES

Computer Center: SOFTWARE (License):

Microsoft Campus Agreement

Cloud Linux OS Shared Pro

cPanel

Imunify360 Security Solution for Linux

Library: SoftLink

Accounts: Tally Prime cloud based , Webtel (Payroll)

Biometric :ESSL

ERP : Edumarshal

CSE & Allied: SOFTWARE (Open Source): Fedora Linux/Windows 10/11, LibreOffice/MS Office, PDF Reader, GCC/Code::Block/NetBeans, MySQL/MariaDB, OpenJDK/NetBeans, GNU Sim8085, HTML/PHP/Python/JS/WML/ADK/Apache, Weka, Selenium , Scilab, RStudio, UML Design Tool (StarUML/Astah Community)

ECE : HEP 1- Mentor- IC Nanometer Design (Back End Design), VIVADO SYSTEM EDITION + SDSOC, SILVACO, MULTISIM, HFSS, MASM, KEIL, WINAPP, SCILAB

EEE: PYTHON, ANACONDA, C++, SCI LAB, KEIL VERSION, PYLICAN, MATLAB

M.E : ESMS (Pro-E), ESMS(ARENA), SciLab, CAD(C++)

Anti-Plagiarism software : NA