



GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES, JABALPUR (M.P.) – 482003

Dept. Of Computer Science & Engineering

UG CLIENTS	CONFIGURATION	QTY
Object Oriented Programming Methodology / Operating Systems Lab (CL-1)	Hp Pro 3090, Intel Core-2-Duo E7500 @ 2.93 Ghz, 2GB RAM DDRIII,1066 FSB, 320 GB HDD SATA, 320GB SSD, 18” LCD, Keyboard : 110 Keys USB Multi Media, Mouse: USB Optical Scroll	31
Database Management / Data Structures & Algorithm Design Lab (CL-2)	Hp 280 G3, Intel Core i3 @3.30Ghz, RAM 4.00 GB, HDD 500 GB SATA with 18.5” LCD TFT (Dell), Keyboard : 104+3 Keys USB Multi Media, Mouse: USB Optical Scroll	31
Dot Net / Theory of Computation / Computer Organization & Architecture Lab (CL-3)	DELL Vostro270SFF, Intel Core i3 3240 @ 3.40 Ghz, 2GB RAM DDRIII, 1066 FSB, 500 GB HDD SATA 240Gb SSD, 18.5” LCD TFT, Keyboard : 110 Keys USB Multi Media, Mouse: USB Optical Scroll	31
Computer Networks / Linux Lab / Python Lab (CL-5)	ACER Veriton IE 3993, Intel Pentium Dual Core E7500 @ 2.93 Ghz, 4GB RAM DDRIII, 1066 FSB, 500 GB HDD SATA, 240 GB SSD, 18.5” LCD TFT , Keyboard : 114 Keys USB Multi Media, Mouse: USB Optical Scroll	31
Major/Minor Project Lab (CL-7)	Lenovo Think Vision, AMD Ryzen 3 @3.80 Ghz with Radeon Graphics, RAM 8.00 GB DDR4, HDD 1 TB SATA, 114, 19.5 LED TFT, Keys USB Multi Media, Mouse: USB Optical Scroll.	68
Web Technology & Software Engineering Lab (CL-8)	Hp 280 G3, Intel Core i3 @3.30Ghz, RAM 4.00 GB, HDD 1 TB GB SATA,18.5” LCD TFT, Keyboard : 110 Keys USB Multi Media, Mouse: USB Optical Scroll.	61

Data Warehousing / Data Analytics / Agile Software Development Lab (CL-9)	DELL Optiplex 3010, Intel Core i3 3240 @ 3.30 Ghz, 4GB RAM DDRIII, 1066 FSB, 500 GB HDD SATA, 240 Gb SSD, 18.5" LCD TFT, Keyboard : 110 Keys USB Multi Media, Mouse: USB Optical Scroll	61
Data Mining / Artificial Intelligence & Machine Learning / Cloud Computing Lab (CL-10)	DELL Optiplex 3010, Intel Core i3 3240 @ 3.30 Ghz, 2GB RAM DDRIII, 1066 FSB, 500 GB HDD SATA, 240 Gb SSD, 18.5" LCD TFT, Keyboard : 110 Keys USB Multi Media Mouse: USB Optical Scroll	61
Multimedia Communication Language Lab (CL-11)	Wipro i-Value, Intel Core-2-Duo @2.00 Ghz, RAM 4.00 GB, HDD 80 GB SATA, Communicative Language Lab Level I & II Software	31
Multimedia Communication Language Lab (CL-12)	Wipro i-Value, Intel Core-2-Duo @2.00 Ghz, RAM 4.00 GB, HDD 80 GB SATA and 256 GB SSD, Communicative Language Lab Level I & II Software	31
Internet of Things (IoT) Lab	RASPBERRY Pi 3 MODEL B 1GB RAM, QuadCore 1.2 Ghz, Starter Kit X00032K	05
	NANODEV KIT NVIDIA/SOCKET/JETSON NANO DEVELOPER KIT/WAVEHSRAE-FOV-CAM/AC8265-WL-NIC/5V-A4-ADAPTER/HDMI-CABLE/SDSQUA4-032G-GN6MN	10
	Quad Store Multipurpose 3 in 1, Robotics Starter Kit for beginners to intermediate level user compatible with Aurdino IDE and Uno R3 B09CPKKJBY (48 7RMICKUKY) HSN48543	01
Computer Hardware Lab	Computers/ Printer/LCD /CRT Monitors/RAM/HDD and/UTP Cables/RJ 45 Connectors/OFC and Network Switches/Motherboards and Misc.	14
Computer Centre (CPL-1)	DELL Optiplex 3010, Intel Core i3 3240 @ 3.30 Ghz, 2GB RAM DDRIII, 1066 FSB, 500 GB HDD SATA, 256 Gb SSD, 18.5" LCD TFT, Keyboard : 110 Keys USB Multi Media Mouse: USB Optical Scroll	61
PG CLIENTS	CONFIGURATION	QTY

<p style="text-align: center;">RESEARCH & DEVELOPMENT CENTRE / SKILL DEVELOPMENT (Microsoft Innovation Academy)</p>	<p>DELL Vostro270SFF, Intel Core i3 3240 @ 3.30 Ghz, 2GB RAM DDRIII, 1066 FSB,500 GB HDD SATA,18.5” LCD TFT ,Keyboard : 110 Keys USB Multi Media, Mouse: USB Optical Scroll/ DELL Optiplex 3046MT, Processor : Intel Core i3 6100 CPU @3.70 Ghz, Memory : 4GB RAM DDR4,Hard Disk : 500 GB HDD SATA, Monitor : 19.5” HD Display Keyboard : Dell 104+14 Keys USB Multi Media, Mouse: Dell USB Optical Scroll.</p>	<p>31</p>
<p style="text-align: center;">CISCO NETWORKING ACADEMY (Same as CL-7)</p>	<p>Lenovo Think Vision, AMD Ryzen 3 @3.80 Ghz with Radeon Graphics, RAM 8.00 GB DDR4, HDD 1 TB SATA, 114, 19.5 LED TFT, Keys USB Multi Media, Mouse: USB Optical Scroll.</p>	<p>68</p>

Computing Facility (Central)

There are mainly three types of services viz. computational services, laboratory services and network services. The Centre's services are extensively used by the students, faculty and staff members of the Institute.

1. Computer Centre (CPL-1)
2. Multimedia Language Lab-I (CL-11)

3. Multimedia Language Lab-II (CL-12)
4. Major/Minor Project Lab (CL-7): Above mentioned computer lab facility is equipped with latest configuration and is open to all students and faculty members of this college for conducting computer classes, and student projects.
5. The Campus LAN is fully structured with Central Printing/Scanning Facility.
6. 24×7 WI-FI- Facility.
7. The Network backbone is on fibre optics. The Network is fully secure and optimized through firewall.
8. Power backup is maintained through online UPS.
9. The Systems support advance software.
10. All computers/equipment are maintained, cleaned and updated by the technical staff regularly.
11. Obsolete programs/files/apps are deleted regularly.
12. Licensed Anti-Malware Software is installed on every PC and runs to check and remove any kind of viruses.
13. Program updates and patches are auto installed as and when released.
14. Breakdown is reported to System Admin through requisition by lab technician and the required items are made available from inventory maintained and through purchase.
15. All types of repairs (Hardware Maintenance / Software installation) are carried out by the lab technical staff.

Overall Ambience

1. Institute is well equipped with more than 14 spacious labs with more than 580 computer sets with the latest configurations and state of the art infrastructure to support effective teaching-learning activities.
2. All the computer systems are connected by LAN & Internet connectivity is provided for the benefit of students as well as faculty members.
3. LINUX and WINDOWS software packages, Multimedia, Animation and various editing packages are made available to create simulated environments to suit not only the curricula very well but also to go beyond it.
4. The computer labs are fitted with high-Quality Audio-Visual Equipment with overhead LCD projectors creating a platform for trainers to deliver high quality and informative lectures and presentations.
5. The Computer Labs is well ventilated and well furnished, providing a pleasant working environment for students to undertake their practical and assignment work.
6. Do's and Don't's of labs are disseminated in labs at vicinity of all student.
7. Chairs/Desks/Tables are comfortable, and provided for individual students in Labs.
8. Labs are equipped with sufficient hardware and licensed software to run program specific curriculum and off program curriculum.
9. Sufficient laboratory manuals are distributed to students.
10. Sufficient number of ACs and windows are available for ventilation and natural light and every lab has one exit.

11. Lighting system is very effective, along with the natural light in every corner of the rooms.
12. Shelf is available for each lab for students to place their belongings safely along with CCTV surveillance.