Deptt. of Computer Science & Engineering Laboratories Details
Gyan Ganga Institute of Technology and Sciences, Jabalpur (M.P.)

S. No.	Programe Name	Level	Name of the Laboratory	Lab/Major Equipments	Qty.
1	UG	UG	Dot Net/ Computer Organization & Architecture Lab (CL-3)	HP 280G9/Intel ®core(TM) i7-12700 CPU@ 3.40GHZ, 32 GB DDR4 RAM, 256 Gb SSD NvM.2 HDD, 21.5" LED Monitor.	61
2	UG	UG	Computer Networks / Linux Lab / Operating Systems Lab (CL-5)	Dell Vostro/Intel Core i3, 12th Gen @3.3Ghz, 8Gb DDR4 RAM, M.2 512gb PCIe NVME SSD, 18.5 LED Monitor (Dell).	31
3	UG	UG	Major/Minor Project Lab (CL-7)	Lenovo Think Vision/AMD Ryzen 3 @3.80 Ghz with Radeon Graphics, RAM 8.00 GB, HDD 1 TB SATA.	67
4	PG	PG	PG Lab/R&D/Skill Development Lab (MIA)	Intel ®core(TM) i3-3240 CPU@ 3.40GHZ, 4.00/2.00 GB RAM, Dell Vostro/Optiplex/500 GB HDD, 240 Gb SSD-HDD, 18.5" LCD Monitor(DELL).	31
5	UG	UG	High Performance Computer Lab/Artifical Intelligence/Data Engineering/Cybersecurity & Blockchain (CL-14)	Lenovo V55T /AMD Ryzen 5, 5600G with Radeon Graphics 3.90Ghz, Ram 32 GB DDR5, NVMe.2 PCIe256 GbSSD, 1 TB SATA HDD, 18.5 LED TFT.	61
			TOTAL		251

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.