

Response:

Due to the growing need for Internet access on college campuses as a result of the Internet's flexibility and ever-evolving standards of education, SVIST has put a thrust to setting up a stable and secure wired or Wi-Fi network for their students and assigns topmost priority to upgrading IT facilities to cater to this need. SVIST has an IT policy addressing IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management standards. It outlines the responsible use of the Information Technology infrastructure at the institute such as the use of licensed software only, procurement of IP-based licenses wherever possible, antivirus, restricted access through the firewall, regular information backup, and encouragement for the usage of open-source software, wherever required.

In the last five years, the institute has consistently improved various computerisation facilities and its infrastructure. Deployment of IT infrastructure is done through the system administration team. This team addresses all the academic and administrative IT infrastructure requirements. The College regularly upgrades both the software and the hardware facilities. The following are the strategies for deploying and upgrading IT infrastructure and associated facilities.

- Computers are replaced periodically.
- Software is purchased and licenses are upgraded as per requirement.
- Firewall and Anti-virus software are upgraded regularly.

SVIST focuses on setting up adequate and latest IT infrastructure and resources are updated and upgraded continuously as per the requirements and changing technology.

Internet Connection: Dedicated internet connectivity of bandwidth 100 Mbps is provided by Airtel and Jio and an alternative connection is also there as standby. The campus is Wi-Fi enabled to promote digital flow. Faculty and Students can avail of the Wi-Fi facilities 24x7, 365 days. Internet facility is provided to the classrooms, faculty rooms and offices through Wi-Fi. Wherever high-speed connectivity is required wired connection through optical cable LAN services is provided to the laboratories and departments. A dedicated 418 numbers of desktop computer systems are provided for students, offices and faculty members.

PCs and their configuration: The Institute has a total of 418 computers with Processor i7/i5/i3, 2GB/4GB/8GB RAM, 256 GB/512 GB Hard Disk, and 3.10 GHz CPU Speed.

Software: For conducting various UG Courses, various software is used which includes Turbo C/C++, Oracle, Photoshop, MATLAB, Net Sim, IE3D, Xilinx ISE, ANSYS, DOE++, AutoCAD and PRO E. Microsoft Office, Python (Open Source).

Operating System: Our institute uses Windows Operating System (Windows 7, 8 & 10) as well as opensource operating systems like Ubuntu and other software tools such as Wireshark (Open Source).

CCTV: To prevent and check unwanted activities and for the security of the students in the college, CCTV cameras have been installed at strategic points. The coverage is archived and can be retrieved only by authorised personnel for reference if needed at any given time.

Additional information: For quality teaching, learning and research the college provides access to a variety of online resources as follows:

- All the classrooms have projector facilities and laboratories are well equipped with either computer systems or WiFi.
- Students and faculty members can access electronic journals and e-books from the library's digital and computer labs.
- Students and faculty members can access MOOC resources.