

The IT facilities include:

Hardware: It comprises Server, Firewall, Access Points, and Computing facilities.

- Server: The Institute features 10 cutting-edge, well configured servers with the details as follows.
 - Virtual applications on campus managed by three IBM servers each with 32GB RAM, 600GB HDD, Xeon 16 core Processor with speed 2.6 GHz /1866 MHz configuration.
 - Virtual application data backup managed by One IBM server with 24GB RAM, Xeon 8 core Processor with speed 2.6 GHz / 1866 MHz configuration.
 - Two HP servers with 4GB RAM, 1TBHDD, Xeon Processor managing ERP data.
 - Desktop Virtualization managed by One IBM server with 24GB RAM, Xeon 8 core Processor with speed 2.6 GHz / 1866 MHz configuration.
 - LMS is managed by three servers.
- Firewall Information: High-End SOPHOS-SG-430 is the main firewall, with throughput of 28Gbps and offers the best performance, adaptability, and efficiency to satisfy the expanding security needs. Additionally, SONIC firewall is deployed, serving as the SONIC Access point's WiFi controller.
 - Computing Facilities: Institute has computing machines with desktops, laptops of makes like Acer, Dell, Lenovo, HP, Apple, and iPad.

Software

The Institute has licensed application software's like Optimisim, MATLAB and system software's. The Institute has tied up with Microsoft Corporation for various Microsoft products and emailing solutions. Students are provided with ample opportunities to work on open-source solutions with high-speed internet connection.

Software List

Year	Software Name
2021-22	IBM RATIONAL SUITE
	National Instrument (Multisim)
	MATLAB
	RATIONAL ROSE
	Oracle
	SPSS
	AUTODESK
	Genesys
	Optisim
	Proteus
	IE3D
	T-CAD
	Language Lab
	MATLAB Campus wide License
	Drill Bit
Paper Cut	
Microsoft Campus License	

Internet and Wi-Fi

For the benefit of teachers and students, the institute has a high-speed 500Mbps internet connection from Internet Service Provider Vodafone. Wi-Fi infrastructure with access points strategically placed throughout the campus allows for comprehensive internet availability. For optimal security, Wi-Fi is authentication-driven and has user-level restrictions.

Wi-Fi Access- Upgrades to firewalls include adding high configuration Sophos access points after a single Sonic point with 10 access points.

To store the virtual application data for the license server, vPrint, and vMIS, the institute has its own Storage Area Networks (SAN) with a 12 TB capacity. Additionally, a 1TB

Network Attached Storage (NAS) is present and utilized to store all the software configuration files that are accessible from the LAN network.