

#### **4.3.1 Institution frequently updates its IT facilities and provide sufficient bandwidth for internet connection:**

The Institute is committed to providing state-of-the-art IT infrastructure and services. With the growth of users, IT services and increasing internet bandwidth demand, the institution has scaled up the switching capabilities and implemented latest managed through optical fibre cables and Wi-Fi access. The Institute has high-end core switches and servers. The upgradation of computer systems is taken up on periodically. The printers and scanners are also upgraded with new additions to the laboratories, office, library and departments. The college annually purchases/upgrades and replaces or adds a fleet of computers, hardware's, etc as per the requirements. The IT infrastructure is continually upgraded.

#### **LAN Facility**

There are 30 data network switches (Giga byte) and 56 CCTV cameras.100 Mbps of internet connectivity is shared across the campus.

#### **Software**


Windows 2010 server, PFSense Firewall, DHCP server and also use open source operating systems such as Fedora, Ubuntu and centos.

#### **Printers**

Printers 40 Laser jet printers, 2 Xerox centers and 8 scanners are provided across the campus for academic and administrative purposes

#### **Wi-Fi**

Extendable Wi-Fi access points are placed in various places like library, corridor, Labs, Hostels, Canteen and Outdoor. Wi-Fi access is provided to all the students which is monitored and controlled by Linux server at the IT department for secure content access. All access points are routed to a Wi-Fi controller in the Data centre where configuration and updates are maintained in a centralized fashion.

  
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