

4.3.1 IT facilities.

There has been consistent effort in scaling up the IT Infrastructure facilities on the campus in a phased manner. The IT Infrastructure encompasses a spectrum of facilities utilized by all stakeholders. This has enabled an efficient technology based interface between students, faculty and community.

Office of Information Technology (OIT):

In 2008, a dedicated department was started to design and implement IT infrastructure. It is responsible for hardware and software design, development and maintenance. The OIT also has an in-house software development cell for the functioning of Administration and Academic activities.

Prior to academic year 2015-16 the college had its own LMS (MOODLE), Website, Online Admission process, Intercom facility, Surveillance Camera (CCTV) and Biometric attendance for staff. Over the years after 2015 there has been consistent addition and upgrade of existing IT infrastructure.

Smart Card System: The existing smart card system was upgraded with a new Interface Android terminal for cashless payment in the Canteen, Library and Coop (Student facility store). Payment through J2ME terminals were replaced with new advance android terminal in the Canteen.

Mobile App: An Android Mobile App (*in June 2017*) was developed by OIT for the use of online facilities. Chowgule mobile App was available on play store *from June 2018*.

Online Admission System with Payment Gateway:- The cashless payment of fees an Integrated Payment gateway for Admission System was introduced *from June 2017*.

Firewall: The existing firewall, Cyberoam was upgraded with 500 ING, with 3 years subscription, *from December 2017*. This was upgraded in 2019, to Sophos-SG430, which supports 700 congruent users with better Internet speed and high security.

Online College Administration and Academic Management System: The college has its own centralized information system to maintain the record for attendance, library, news & articles, events, facility booking, online recruitment etc. apart from a well managed Website. (www.chowgules.ac.in). Features were updated on a regular basis.

Thermal Printer: A new high speed thermal printer was installed in *June 2018*.

WiFi Network: College campus is equipped with wifi network from *January 2012*. An Upgrade of the WiFi infrastructure was done on *January 2018* by replacing 5 routers (with 2Mbps) and adding 2 Enterprise Router with high speed and higher configuration (1Gbps). The present Internet Bandwidth is 124 Mbps.

Interactive Smart TV and Projector: Under Centre for Teaching Learning a new Audio-Visual room with state of the art Interactive Smart TV was added. 20 Projectors were upgraded in *2017-18*.

B.Voc. Labs: A new Computer Lab was designed with Local Area Network for B.Voc. Programmes in *June 2018*.

Server/Storage/Intranet: College procured high performance dedicated Enterprise Server in *June 2018*, used for storing and managing College information system and website. The College also has separate NAS (Network Access Storage) 4 TB and 2 TB mirroring NAS for storing digital media of events, activities conducted daily and various other multimedia data.

UPS: Replacement of UPS was done in 2017 and 2020. Currently it has 40 KVA systems to support power backup to the entire college for about 4 hours.
