



4.2.4: Frequency of updating IT Facilities

The Open and Distance Learning (ODL) system is often described in terms of industrial model. This is because as the processes in the ODL systems are more amenable to automation due to well defined processes in comparison to their conventional counterparts. From the beginning, the university has aimed at high degree of computerization of its business processes. This is especially necessary since an institution of this nature has to create and maintain records of students, counselors, study centers, programs, courses, employees over a longer period of time.

With the advancements in technology the hardware and software needs to be continuously upgraded and maintained. The University began the computerization since its inception in 1989. The student's records of admissions and examinations have been kept in computerized format from the very first day of University's existence. The earliest systems used DOS based platforms which used Intel 386 or 486 systems and used GIST cards with dongles to record *devnagari* fonts especially for keeping records of Students Name in vernacular script. With the advancements in technology the DOS systems were replaced by newer versions of Windows Operating systems. With higher percolation of internet in the society the processes of admissions, instructions as well as examinations are being implemented through University's portals.

The Computer Center (CC) at the Headquarters is responsible for procurement and maintenance of computer and networking hardware, development and maintenance of software, maintenance of hard ware, the website and providing Internet / Intranet services. Currently university has 826 personal computers and 67 printers in use at the head quarter and the Regional Centers. The combined infrastructure includes:

IT Facilities in university Data Center

University Data Center is equipped with 2 caches of 16 blade servers, 9 Servers (computing and storage), 1 Network storage of 5TB, 1 router, 1 Network Firewall (UTM), 1 IPS, 1 Core Network Switch, 4 aggregation switches, 24 access Switches. Campus is connected with wired network with virtual LANs and also with Wireless connectivity (WiFi) spread across connection. 5 Servers, 3 Network Storage Servers, 1 Network Firewall, 6 WiFi Access Point, 4 POE Power Switch, 5 L2 Network Switch, 65 LAN Connectivity, UPS facility.

IT infrastructure in University campus

University head quarter and Regional Centers have 826 computers and 67 printers in working condition. Moreover university has purchased 100 Laptops, out of which 10 laptops are kept for common use while 90 laptops are distributed to teachers and officers to help them log on at any time on the duty or off the duty. In addition to this, University have 60 LCD TV, 20 LCD Projector, 3 HD Professional Camera, 3 Wireless Lapple Mics, 120 CCTV Camera, 31 Scanners, 4 Biometric Attendance Machines for monitoring staff attendance.

Student Registration Section at head quarter is equipped with 35 computers. It facilitates online admission processing. The storage and computer capacities at the data centre are regularly augmented as per requirement. Further, periodic maintenance activities are carried out to ensure efficiency in providing services. An AMC of Rs. 16.88 Lakh is spent annually towards the maintenance of 1 GBPS internet,

networking under NMEICT Project and Sophos Firewall, computing, storage, network devices. This includes Rs. 5.31 lakh for 1 GBPS internet under NKN Project, Rs. 5.47 lakh for Networking under NMEICT Project and Rs. 6.11 lakh for Sophos Firewall)

The entire University Campus at the Headquarters is connected through a Local Area Network (LAN). Periodic maintenance and up gradation (Routers and Switching devices) is carried out so that users are able to get uninterrupted access to the services. An amount of Rs. 5.47 Lakh is annually paid towards the internet connectivity of 1 GBPS.

The Finance and Accounts Management System (FAMS) Soft ware is developed in house by the university which is covering operations related to finance and budgeting at the headquarters. The Digital University Software provided by the Maharashtra Knowledge Corporation Limited (MKCL) Pune is being used for almost all the operations from the Students Registration to examination and certification. The database is updated regularly by the concern Divisions. Regional Centers and Learner Support Centers can access the e-platform for supporting student lifecycle related operations through secure login and are provided role-based access. The software is updated twice in year, before the commencement of each admission cycle.

The University has www.ycmou.ac.in dedicated website. Each Regional Center has its webpage. The content of the website is updated both centrally and by Regional Centers, who have been given access to the content of their respective web pages.

The university website hosts the e-book repository of learning resources which is updated at regular intervals as and when new course content is developed or revised. The process of empanelment of Academic Counselors has also been made off line. The portal is updated as and when new courses are offered or old courses are withdrawn.

The Admission and re-registration process of the University has been initiated online, allowing applicants to submit their applications from anywhere. The University has upgraded to cloud-based Online Admission portal hosted by MKCL and Re-Registration portal which are updated twice every year, before the commencement of each admission cycle.



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