4.3.1   Institution frequently updates its IT facilities including Wi-Fi?

Latest IT resources are provided to the Faculty as well as Students to enable curriculum delivery and knowledge enhancement. In this regard, every member of the teaching staff is provided with individual computer system with Internet connection.

Currently, the MJCET campus is completely Wi-Fi enabled, which has been enabled in stages. All Laboratories, Staff Rooms, Class Rooms and Library are Wi-Fi enabled thereby making it possible to access the internet resources from anywhere in the campus.

The Internet bandwidth is being upgraded regularly. Starting from 1.5 Mbps, the present bandwidth consists of Optical Fiber Internet leased line of 100 Mbps bandwidth and Cable connection with 1 Gbps bandwidth.

The college website is updated on a daily basis by a dedicated website administrator. The Student Resources portal is a unique feature of the college website in which Faculty uploads learning resources which can be accessed by the students from anywhere.

To cater to the newly introduced Graphics Lab subject a computer center was established with 63 computers with latest Intel Core i3 processor, three motorized screens, overhead LCD projectors and printers.

'Center for Innovative Computing' (CIC) Lab was established in 2015 for conducting seminars and hands-on sessions of Workshops. It is also used for conducting IIT – MHRD funded workshops. Facilities at CIC include 60 All-in-one Computers (Intel i5 core, 8GB RAM, 1 TB Hard Disk), Overhead Epson Projector with Motorized Screen, Bosch Audio System.

The institution has a policy for periodical upgradation of the computer systems. Under this policy, 85 computer systems were replaced in 2019 with i3 8th Generation, 8GB RAM, 1TB HDD, 20-inch LED Monitors. Similarly 150 PIV computers were replaced with Core i3 7th generation computers in 2018. LCD projectors are replaced periodically. In 2019, two 75-Inch Smart Boards were procured for utilizing innovative content delivery in class room/laboratory.

The computer laboratory LAN hardware such as switches, routers and cables are periodically replaced with the latest versions. Older switches have been replaced with intelligent Layer-2 and Layer-3 switches and routers. Old CAT-5 LAN cables are replaced with latest CAT-6 cables.

The operating system of all the computer systems on the MJCET campus is governed by Microsoft Campus Licensing Agreement. According to this agreement, all the computer systems on MJCET campus are automatically upgraded to the latest operating system released by Microsoft. Currently, Windows 10 is deployed. Various Software Tools like Rational Rose UML Modeling tool, CAD/ CAM Software, Cadence Software are periodically updated with the latest version whenever it becomes available.

A mentoring portal has been developed for setting long terms goals of the students and monitoring their progress. This portal is periodically updated by incorporating enhanced features from time to time.

The Assessment Matrix developed in Microsoft Excel for assessment of Course outcomes is regularly improved to reflect the changing needs of Faculty and Students. Currently, version 12 of Assessment Matrix is under use.