MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES, SEVAGRAM

UPGRADATION OF IT FACILITIES

MGIMS, Sevagram has been able to develop a state-of-art, fully integrated hospital information system (HIS). This was among the first of its kind in the entire country. All registered students of MGIMS get free wi-fi facility which has spread across the campus including hostels. This service has started since 2012. LAN covers the entire campus. In addition, the Wi-Fi facility has also been extended to the urban health center located 8 km from Sevagram and two peripheral centers in Anji and Bhidi, located close to 30 km from Sevagram.

The library has a computer lab with thirty computers with an internet facility for the students. The library subscribes to Up-to-date, which is an evidence=based decision support system at the point of care with over 10000 topics in 22 specialties. All faculty and students can access the latest clinical information at the bedside through campus Wi-Fi through their smartphones or tablets. This leads to informed decision making and use of evidence-based medicine. Digital library and DELNET access to journals etc. provided by the library. Digital library of MUHS Nashik provides access to around 2074 e resources. Library subscribes to DELNET (IMEDC) Infotrac Medical Collection.

All faculty, students and administrative staff are connected on intramail through an mgims.ac.in ID. This has considerably reduced paper-work. All circulars and notices are posted through intramail for immediate information.

The MGIMS website has a special section called MGIMS Classroom. The MGIMS Classroom is hosted online along with the MGIMS website so that it is accessible to students irrespective to their location to offer interactive online courses to support the classroom, clinical and community-based teaching. This helped a lot to continue online learning in COVID pandemic situation.

To complement the classrooms, an e-learning platform was created in the institute by installing MOODLE as a virtual learning environment. This is a platform where students can get additional resources, submit their queries, discuss concepts and also review their classes. The platform also facilitates grading of the students. The students are able to use e-learning on campus and also in the field during their social service camp and village visits. The platform combines classroom and digital environment to enhance the learning and understanding of students.

Since each student has a Google based MGIMS email ID, it is now possible to share documents, presentations and teaching material by uploading them on Google drives.

The online Big Blue Button application on MOODLE and Skype are being used to simultaneously share academic discussions between the Department of Community Medicine and the peripheral centers.

The e-library developed by them is used by community medicine personnel all across the world and has received over 82000 hits from more than 10 countries.

Technology Upgradation overall for 2020-2021

- All servers are now on VSAN, which gives maximum security of data as well as of applications. Newer version of PACS has been installed.

- Moved to the higher versions of Application server (TOMCAT) and JAVA.

- Upgraded the network with fiber optic cable wherever possible and the whole network is with redundant connectivity.