

### **2.3.2: Teachers use ICT enabled tools including online resources for effective teaching and learning process.**

In order to enhance the learning experience, state-of-the-art educational technologies are employed in the teaching-learning process. All classrooms are equipped with LCD projector and system connectivity. Laptops are provided to all the departments for taking classes. Video conferencing facilities are made available in the institution for interacting with experts, alumni and peer groups for value added discussions related to emerging topics.

ICT enabled tools like Learning management system, MS Teams Platform, OBS studio, Open-Short video editor, Hand-Brake, Moodle and Word-Press are used for effective learning processes.

The pandemic has forced the institutes to think of ways and means of sustaining the teaching learning practices. During the pandemic, E-learning system development was considered on priority. Exposure and training for faculty members on online platforms was conducted by experts. With the implementation of the e-learning system, institute targeted conducting online classes for all the courses. Targets with respect to the content were specified and were fairly achieved in all the theory and practical courses.

During Covid pandemic lock down, online classes were conducted through MS Teams and Virtual labs in the AY 2020-21.

E-content materials are shared in the form of PPT, pdf, video, animations, workbook and handouts.

All the courses were delivered through MS Teams as live sessions and MS Stream as Recorded videos with in-quizzes for each course.

Doubt Clarification Sessions (DCS) were conducted for each course at least once in a week.

All Formative Assessments, Quizzes and Internal examinations are conducted through MS forms.

End semester examinations were conducted using e-Proctoring portal.

Periodic feedback from the students and the faculty members were collected through online mode.

Laboratory courses related to programming languages such as C, C++, Java, Python etc. were conducted using e-Learning@mcet Moodle with internal server hosted.

During pandemic, Student Induction Program was conducted through online mode.

BEC certification course is offered to the first year students. Foreign languages center was established in our institution to enhance the additional language learning skill of the students.

All faculty, support staff and students were trained to use the ICT resources, technological platforms and online resources to enhance and supplement the regular process.

Online e-resources like E-Learning Courses from the IITs & IISc, MIT OPEN COURSEWARE, VIRTUAL LABs and E-Learning Courses from Faculty of MCET are shared through our website for enhancing teaching learning process.