Best Practices for AY2018-2019

TABLET BASED TEACHING LEARNING

Objective:

Improve the teaching learning experience for the student and faculty members

The Context:

ICT enabled learning in various modes including online courses is gaining popularity. Students in the digital era have migrated to the use of digital devices for learning. Keeping this in mind MCET has introduced tablet based learning.

The Practice:

Each student and faculty members teaching courses for the students have been provided with tablets. The faculty members handle class, share course material and conduct assessment through tablets.

Evidence of success:

The following are the evidences of success of the practice at present

1. Faculty members taking class through tablet.

2. Students using tablets both in and beyond classroom for various activities

3. Increase in the number of course material repository, number of formative assessments, attendance capture records etc.

Problems Encountered and Resources Required:

The following are the problems encountered

1. Connectivity issues in wifi and servers

2. Maintenance issues of tablets

3. Hardware issues

The following are the resources required

1. Tablets

2. Wifi facility (network, hardware and connectivity)

3. Software platform

AUTOMATED QUESTION PAPER GENERATION

Objective:

Generate question papers for assessments automatically from a question bank using software.

The Context:

Assessments using question papers in various assessment components is an important aspect of teaching and learning. Conventionally the faculty member teaching the course sets a question paper from his/her teaching resources. It is a time consuming and tedious process, inspite of faculty members having an exhaustive question bank consisting of various types of questions.

The Practice:

The questions from the question bank, along with the logic for each question paper are fed into MCETEdu software. The software auto generates question papers which are then directly used as question paper for conducting various assessment components.

Evidence of success

The following are the evidences of success of the practice at present

1. Question papers for internal assessment tests of various theory courses are auto generated

Problems Encountered and Resources Required

The following are the problems encountered

1. Images and equations are difficult to upload as a bank

2. Uploading of the question bank is a time consuming process

The following are the resources required

1. MCETEdu software

2. Question bank for the course

3. System with the software