



MARIAN COLLEGE KUTTIKANAM
(AUTONOMOUS)

2019-20 Best Practice I Integration of ICT in Teaching Learning

Submitted to

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
FOURTH CYCLE OF ASSESSMENT

Practice I

ICT integration and Innovations in Teaching Learning and Assessments

Objectives of the Practice

- Integrate ICT in Teaching Learning and Evaluation
- Develop 21st century educational skills in students and teachers
- Bring transparency and efficiency in the assessment process
- Implement student centric -Outcome Based evaluation systems
- Implement environment friendly green practices in teaching learning process which promotes sustainability
- To provide a supportive learning environment for slow learners and an activity oriented stimulating environment for advanced learners using Learning management systems

The Context

- The College had decided to create a teaching learning and evaluation system that will be inculcating the Programme Outcomes during their study
- Marian College was using Moodle LMS as a teaching learning and evaluation tool for continuous assessments
- Marian College was always committed to develop global competency among its students
- To improve the efficiency and to overcome the locational disadvantageous, the college wanted to develop a question paper automation system for final assessments.
- The College has decided to implement Outcome Based Curriculum and assessments, which requires innovative systems for implementation.
- The college had to develop a centralized system to keep track of Continuous assessment activities and the attainment of learning outcomes

The Practice

After moving to autonomous status many ICT Oriented innovations were brought into the teaching learning and assessment methods Moodle was implemented in the campus and all the courses were offered through Moodle, Continuous assessment activities were managed through Moodle. Innovative and collaborative assessment activities like Lesson, Wiki, Forum and Databases are used as teaching learning activities these tools provides more participative learning experience for the students. used to give Sharing resources through Moodle has become a sustainable practice to reduce the use of paper in terms of study materials and answer papers. Turnitin was integrated with Moodle to ensure academic integrity and ethics which enforced academic integrity among students and teachers. Other Learning applications like Mentimeter, Padlet, and the uReply Learning system of Chinese university of Hong Kong were integrated with Moodle to provide an engaging learning environment for the students

A complete ERP (mcka.in) solution for the institution was developed inhouse which takes care of all teaching-learning and assessment activities starting from admission to final assessment. Assessment of learning outcomes is also taken care by the system. The same system automates all activities of Controller of Examinations. A question paper automation system using question banks was developed using internal resources which was a relief to the college to prepare quality question papers in spite of its locational disadvantage. Once the quality of questions in the question bank is ensured by external experts, the system can generate question papers based on Blooms Taxonomy and difficulty levels set by external experts. The system enabled the college to conduct more examinations like Save a Semester for failed students. This was a great relief for under privileged and slow learners.

The uses a location based learning management system which can ensure the active participation of students in remote field activities, extension works and academic projects . The College has associations with Hong Kong Baptist University to use their Augmented reality based learning

systems. The Learning system is used to teach various aspects of Integrity and Ethics using immersive technology.

Under the RUSA funding an AI based invigilation system for online system is under development. This system, once implemented will be able to detect malpractices of students during examinations.

Evidence of success

- All the teachers started using Moodle for course delivery and other innovative tools like Augmented Reality Learning and uReply were incorporated in to the learning systems.
- Outcome Based Education is implemented in 2020 in its full potential with direct assessment of outcomes, in tune with the NEP.
- Three teachers were sent to Hong Kong Baptist University for training in innovative Learning Systems. HKBU is conducting regular training sessions to Marian faculty since then for the course “Teaching the University students”.
- Now, MIITLE conducts training programmes for teachers from outside and given training to more than 4,000 College teachers, Nursing College Teachers, School Teachers on ICT enabled Teaching, OBE, and Moodle using the College MOOC platform.





MARIAN COLLEGE KUTTIKANAM
(AUTONOMOUS)

2019-20 Best Practice II

Consultancy and Corporate Training in Moodle and ICT Tools



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Practice II

1. Title of the Practice

Consultancy and Corporate Training in Moodle and ICT Tools

2. Objectives of the Practice

- Train the faculty members to develop consultancy
- To develop systems for consultancy development
- To develop Moodle Platform to offer corporate training
- To develop inhouse software systems to offer consultant

3. The Context

Over these years Marian College has developed expertise in Moodle, ICT Enabled Innovative Teaching Learning and Evaluation. There were numerous training programmes organized in Moodle, OBE and also latest Moodle was made available for teachers to offer consultancy

4. The Practice

During the year, the college started developing Consultancy in Moodle training, Moodle Installation, Moodle Customization, Implementation of OBE, and in Video Content Creation. These consultancies were developed through MIITL (mariancollege.org/miitle). Through these consultancies, the college shared the application of existing knowledge, expertise and skills in the areas of ICT enabled teaching learning and OBE.

- External experts from IIM and Ambedkar University Delhi etc. were invited to train the faculty members in Moodle, ICT enabled innovative teaching, Outcome based education, curriculum development etc.
- Teachers from Marian were selected as trainers in these areas. Now, with the introduction of OBE pattern in teaching and learning, familiarization sessions are being imparted to the faculty by IQAC. Training given to teachers to create video contents using state of the art facilities of Marian Studio.
- Marian College has developed a software system for question paper automation and this software was offered to many universities and autonomous colleges through the consultancy wing of the college.
- Latest Moodle was installed on cloud server so that the teachers can offer training programmes for external participants on latest ICT Tools.

5. Evidence of Success

- The college has become resource centre for ICT enabled teaching learning and assessment activities
- Offered consultancy service in Moodle to colleges and institutes across India
- The questions paper automation system was implemented in the parent university and many autonomous colleges in India adopted this system through our consultancy services
- The expertise in Moodle was accepted by Chinese University of Hong Kong (CUHK) and they gave a consultancy project to Marian College worth HK\$ 45,000. The CUHK is ranked 49 in the QS world ranking
- With the COVID pandemic our teachers and students were able to migrate to completely online platforms seamlessly
- During COVID pandemic Marian College Kuttikkanam has become a resource centre for teachers through our online Mooc Courses and webinars. More than 25,000 teachers attended the training programmes offered by our teachers all over India

Marian expertise in Moodle, Question paper automation and other ICT tools have been converted into consultancy projects worth rupees Forty Two lakhs which includes Moodle Consultancy to Chinese University of Hong Kong

6. Problems encountered and resources used

The college had to arrange training programmes for the faculty members to develop them as successful consultants. The college also has developed video recording and editing facilities for video content creation. The latest version of Moodle was also made available to the teachers on Amazon Cloud Services



A handwritten signature in green ink, appearing to read 'Abraham Jey', is written over a horizontal line.