

Jayawantrao Sawant College of Engineering, Pune

Best Practices

Practice 1

1. Title of the Practice: Effective integration of ICT in Teaching- learning:

2. Goal-To provide a good learning experience to the students.

3. Context As the world is changing rapidly, ICT is playing a crucial role in teaching and learning. Also today's generation demands new technology use in the learning process. Keeping this in mind, faculties are structuring their courses which are suitable for ICT integration.

4. The practice: Many faculties are developing their own sites and using learning management platforms like MOODLE, Genomio to disseminate content and also effectively using it for assessment purposes. It helps the faculty to monitor performance of each learner and also the response of the learner. IT also provides opportunity to provide quick feedback to learners about their performance. Lerner gets an immediate response where they can improve further.

Some faculties have prepared video lectures so that learners can access it from anywhere and anytime. It is also helping those who missed the classes.

Some Faculties are integrating mobile devices as they are easily available with most of the learners. The faculties are collaborating on some activities through social media.

Blogs are also important media to collaborate group activities.

Digital LCDs are used to give presentations. Google classes are also effective tools to manage classroom activities and to conduct assessment. All these tools are implemented by faculties whenever required.

Many classrooms have smart panels which are very helpful to present digital content. Also it is easily used to show simulation and animation to understand complex processes and engineering concepts.

Institute also promotes use of virtual labs and online courses for training purposes.

Many learners are collaborating on their project work using ICT. Online discussion forums are providing a platform for students for peer learning.

5. Evidence of Success

ICT tool	Effectiveness
LMS	Well organized content available to students for easy access from anywhere
Projector	Better understanding of concept through visuals
You tube video	Wide reach of content
Social media	Peer learning and learning with ease.

Pratice 2

1. **Title of the Practice** – upskilling of faculty and student through online certification
2. **Goal-** To provide online platform to faculty to upgrade on demand skills
3. **Context-** Due to pandemic, students attending online classes are involved in self-learning. As faculty and students finishing their tasks from home, the institute has collaborated with coursera, internshala and many reputed institutes to provide student quality training for on demand skills by industry.
4. **The Practice** –

The Institute has appointed coursera, internship coordinator to coordinate online certification and virtual training to the faculty and students.

GFM encouraged students to enrol for coursera and guided them to select courses in a specific area related to their studies. Academic counseling helps them to acquire necessary skills during the pandemic period. Students are also encouraged to participate in internship programs offered by AICTE and other reputed industries.

To serve this purpose the course coordinator took special efforts to make all faculties and students aware of the importance of certification courses offered by top universities.

All department faculty members and students gave a huge response and acquired more than 4000 courses in programming, AI, machine learning , AWS, web development and data science.

Many department faculties launch their courses on Gnomio ,moodle and youtube so that students can learn the skills from any place,anytime.

Institute also has taken initiative to get internships to third year and final year students to get experience of real time challenges. Many students had gone through internships during the year and also benefited to grab placement in industries.

Institute has also taken efforts to collaborate with many organizations to help them to get online job training. Many platforms like hackathon, KPIT sparkle are made available. Due to this our students participated in many online competitions and secured prizes.

5. Evidence of Success

Certification specific	1200+ students acquired more than 4000 Course Fundamental concept strengthened
Academic	Academic result improved
Career	placement is improved