

Institutional Best Practices

AY 2019-20

Practice-I

Title of the Practice: Reforms in Academic Activities due to Covid-19 Pandemic

Goal:

1. To identify the possible methods to reach students
2. To implement the best possible and most effective methods of teaching through online
3. To provide the evidences of the best practice.

The context

1. The topic is Apt considering the current scenario. The higher education system is facing tremendous challenges due to Covid-19 pandemic.
2. There forms to be implemented are understanding the mental health of students
3. Implementing the digital teaching learning
4. Local reforms to be implemented at the institute level
5. Online internship, technical events, online courses, online seminars, teaching online and conducting the practical online.

The practice

With the sudden shift from the classroom teaching to distance online Teaching -Learning is a great challenge to the present situation and how such a shift would impact the education system is a challenge. Even before covid situation there was already high growth in the education technology usage. Information technology in education will be further accelerated and that online education will eventually become an integral component of higher education, the teaching document sharing with students through online much more easy way to communicate. Every student is in direct contact with the teacher and his mentor. Student finds it more effective in online teaching.

In this entire pandemic, mental health of students is kept at the top priority through our effective mentoring system. Our staff is in touch with every student. Their family issues are taken care of. Faced with new reality of Teaching - Learning from home surely misses the effect of physical teaching and hence it is important that we look at the physical and mental health of the students.

Online education makes the education system more dynamic and open-ended synergy is evolved in the education system. When each person bestows a view or opinion through discussions and comments on others' work course, it benefits the student to learn better. This unique advantage is manifested in a student-centred virtual learning environment that online learning format alone can contribute. Suitable social media platforms are selected to reach and engage lectures smoothly.

The university and institute academic calendars are strictly followed during this pandemic period also as earlier. Students are provided with study material by the subject teacher. The information is communicated to students

through college website. However, the departments are in close contact with their students to provide information

One of the Institutes in our campus is the nodal centre of virtual labs. Our institute follows all the terms and conditions laid down by the MHRD Govt of India for virtual lab.

To make the best practice more effective our challenge is to locate/select suitable platform to conduct the teaching activity. The requirements of teaching method are different for different subjects. The network issue persists among the students, as our institute is located at remote location and mostly students are living in rural areas. Besides, many students migrated to their native places. This is a big challenge to implement online teaching. However, students adopted to the new requirement and mostly placed themselves in the location where network is available.

Our students are enrolled through our institution to avail the online learning facilities through various platforms like:

1. Coursera
2. NPTEL-SWAYAM
3. IIRS-ISRO Outreach programs

All faculty members and students are encouraged to attend various webinars and training programs both technical and non-technical subjects. It is to be noted that many students and faculty members enrolled for the various value addition online programs and earned certificates.

Usage of Virtual Labs, the acceptance of paradigm shift from class room teaching to online teaching, syllabus completion, conduction of exams, declaration of results on time through online mode successfully etc are the outcomes of the new normal during the lockdown due to pandemic.

It is highly appreciated that the adaptability of both students and faculty members of the new normal and willingness to embrace the transformation from physical to virtual platform during this world pandemic situation.