

Best Practice: -1

1. Title of the practice:

Online certification course for faculty and Students to improve the quality of teaching learning process

2. The context that required the initiation of the practice (100 – 120 words)

Massive Open Online Course (MOOC) is essentially a process of teaching using pre-recorded lectures, resource video materials, lecture notes, assignments and quizzes which are usually online and provide the user, self-assessment at regular intervals during learning. The learning involves the simultaneous participation of teachers and a large number of students and is similar to a classroom and on a much larger scale, through the Internet. This methodology is well suited to the current generation of mobile-Twitter-Facebook-YouTube savvy students.

3. Objectives of the practice (50 – 60 words)

The primary objectives of this practice are:

- a) Make high quality learning material available to students, through which they can improve their employability.
- b) NPTEL (National Programme on Technology Enhanced Learning – A joint venture of IITs and IISc) web courses and video courses are being used by staff and students to enhance teaching learning process
- c) To provide an opportunity to students and faculty to get certificate from IITs

4. The Practice (250 – 300 words)

NPTEL Local Chapter is established in the college. Through the local chapter we encourage the students and faculty to enroll for the NPTEL online courses every semester. Mentoring system is in practice for guiding the students in enrollment, course access, and timely submission of

assignments to end exam. The local chapter supports the students to avail 50% exam fee waiver as scholarship from IIT Madras.

5. Obstacles faced if any and strategies adopted to overcome them (150 – 200 words)

Time management and self-motivation are the difficult tasks for e-learners.

The mentors motivate the students to follow the new educational trends and also help them to meet the deadlines of the courses.

6. Impact of the practice (100 – 120 words)

Faculty members are using these contents as part of their lesson plan to teach university curriculum students are using NPTEL not only to prepare for technical jobs and competitive exams, but also as a platform for constant learning and updating knowledge for the ever-changing environment and market realities.

7. Resources required

Desktop / laptop / smart phone with headsets

Internet facility

8. About the Institution:

PACE Institute of Technology and Sciences, Ongole has been established with a vision and a mission to develop it as an incubator of innovation and knowledge creation in the field of science and technology. PACE was established under Srinivasa Education Society in 2007 at Valluru village, Ongole, in the academic year 2008-09.

PACE is a premiere Technology Campus that has over 8 years of glorious history in motivating the students to develop questing minds and creative envisioning and chase their aspirations, with a sense of purpose in life. Part of multi-million dollar PACE group, our college addresses a broad range of interests and industries. We attract a diverse group of exceptionally talented young students from across the nation and around the world to educate them from scholarship to

leadership. Considered as an Ivy league Institute in Andhra Pradesh, India, we focus on Education, Exploration, Entrepreneurship and Employment. These 4Es form the foundation pillars of all our activities. PACE students excel not only in education but also in many research exploration activities. We have created an environment that ignites curiosity and provide students with tools for research. PACE is famous for providing means for every aspiration.