Title of the Practice: Digital Learning Process

Goal

To make Faculty expertise in teaching learning process and develop effective self-directed learning skills for students.

The Context

Erode Sengunthar Engineering College, has "Digital Learning" facility to make the teaching learning process more interesting and to improve student performance in their academics. Digital Learning facility is providing hands-on experience and in-depth knowledge by using lecture videos to the students from their first year. Digital Learning process facility help to faculty, should find a new way to engage students. Hence, online classes are evolved to provide theory knowledge and hands-on experience to all the students with an appropriate schedule.

The Practice

This program is designed in such a way that, lecture will be taken through PowerPoint / video presentation by faculties through google meets. Faculties post assignments, questions, relevant articles, research and current knowledge and many more. The link will be sent to each student by e-mail and Whats App. The faculty also prepares e-learning courses for their subject using word press / moodle LMS. The e-learning courses are available in local server for student's access.

Evidence of Success

- The improvement of the students can be traced and if there are no improvements, the students are helped in the areas that they are weak at, as per the report.
- This enables the students to follow a planned and defined path to achieve their goals.
- The person who is performing well in online course will be monitored easily.
- The students access the virtual classroom on a very regular basis

Problems: Faculty and Students need Updated systems with good internet connectivity

Title of the Practice: Innovative Teaching Learning Process

Goal

To enhance the teaching learning process and to enrich the ability of the student's logical thinking and problem solving capability in multi-dimensional aspects and to explore them practically based on industrial needs.

The Context

Innovative Teaching and Learning practices incorporates responsive teaching practice, student ownership of learning, high levels of engagement, authentic contexts, the development of competencies and the strategic use of digital technologies to connect, collaborate, create and share learning.

The Practice

Apart from regular lectures, a keen attention is paid on activity based learning for improved self-learning. The learning process has been made learner centric with forums such as Knowledge sharing sessions and Webinars for students and faculty members to make them well versed in global affairs of various fields. Peer group learning has been introduced to help the slow learners. The independent learning keeps the students abreast of the latest technology and gives opportunities to acquire the knowledge in subject by reading the books, journals, newspapers and online tests. Field visits to industries make the students learn recent technologies Industry culture. Real time projects lead the students for lively learning experience. Internship opportunities impart practical learning experience. Apart from regular classes, special hours have been allotted for placement, library and seminar to unleash students potential and presentation skills on any topics related to the curriculum. Also, National Program on Technical Enhanced Learning (NPTEL) being conducted to enhance and improve the students learning skills. Sponsoring for faculty members to attend various training programs / workshops / seminars / conferences with registration fee on-duty permission.

Evidence of Success

- **257** students have been placed in various renowned companies during their final year of Course in 2019-20.
- **8** Students have received funds of Rs.7500 /- (3 Batches) under Students Project Scheme -2019-20 sponsored by Tamil Nadu State Council for Science and Technology (TNSCST).

Problems:

Following are the challenges faced by the Faculties and Students when this practice is put into implementation:

- Understanding the different learning challenges amongst students
- Lack of effective communication
- Being encouraging and motivating under challenging times
- Endless paperwork & extended working hours
- Time Management

http://www.erode-sengunthar.ac.in/bestpractices/