

TEQIP III Sponsored One Week FDP
Efficacy of Digital Pedagogy for Effective Online Teaching Learning
(8th to 15th Oct 2020)

Jointly Organized by



Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering
Bhavan's Campus, Andheri (W), Mumbai, 400058



Rewa Engineering College
University Road, Rewa, MP, 486 002

Introduction

In the wake of COVID-19 pandemic, the online teaching learning has become a new normal in academic institutions. There are some key considerations important to be taken into account during online teaching learning. The online teaching has to be as *explicit, orderly, and well-organized* as possible, especially when students are learning core engineering subjects, which involves lot of hands on learning and mathematical discussions, derivations, etc. In the classroom teaching, it is easy for the faculty members to monitor the student engagement and the feedback from body language, etc. to check whether they understand the topic and can adjust delivery of content using pedagogy technique suitable for the course or a particular topic. In the classroom teaching, it is also easier to deliver the course contents incrementally so that the students do not get lost and it is easier to provide feedback in real-time. In an online environment it is difficult to monitor students' understanding and their retention in the class is also a concern.

Assessment of students, instantaneous feedback, measuring learning outcomes are also few more challenges faced by the faculty members during online teaching and learning. Adapting a right pedagogy and selecting appropriate ICT tool for a particular course is also a skill and impacts learning in online mode.

This FDP intends to address these challenges and make online teaching and learning a joyful and value-adding experience to the faculty member as well as to the student, by discussing efficacy of digital pedagogy during this *new normal*.

Course Contents

This FDP would cover following topics:

- ✚ Teacher as a **Role Model** in the *new normal*
- ✚ Effective Learning and Assessment during Online Teaching
- ✚ Relevance of Bloom's Taxonomy during Online Teaching Learning
- ✚ Effective use of online tools for digital teaching and learning
- ✚ Measuring Learning Outcomes in Online Teaching Learning
- ✚ Learner Centered Teaching - Need of Digi-Learning Era
- ✚ NEP-2020: Role of Technical Institutions
- ✚ ICT Tools available for effective implementation of Digital Pedagogy their Relevance with NBA
- ✚ Design of Model Curriculum for Overall development of Engineering Graduates

e-Certificate would be awarded to the participants who attend all the sessions and submit the feedback after every session.

The link for submitting the feedback will be given at the end of every session.

Resource Persons

The resource persons for the FDP would be senior faculty members, renowned academicians and industry professionals.

- ✚ Dr. R. Sessa Iyer, Chairman, Board of Governors, SPCE. Professor and advisor to Dean, SPJIMR, Mumbai
- ✚ Dr. V. G. Gaikar, Former Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra
- ✚ Dr. N. C. Shivaprakash, Professor, IISc Bangalore. Academic Advisor, SPCE
- ✚ Mr. Suresh Mhatre, Former Vice President, TCS. Professor Emeritus, NMIMS. Member of Board of Governors, SPCE
- ✚ Dr. B. N. Chaudhari, Principal, Sardar Patel Institute of Technology, Mumbai
- ✚ Prof. Ms. Rukaiya Joshi, Professor (Retd.), SP Jain Institute of Management & Research, Mumbai
- ✚ Mrs. Meenakshi Kulkarni, Deputy General Manager, BOSCH Ltd.
- ✚ Dr. Nilesh Raykar, Professor, Mechanical Engineering, Sardar Patel College of Engineering, Mumbai
- ✚ Dr. S. S. Rathod, Professor, Electronics Engineering, Sardar Patel Institute of Technology, Mumbai

Registration

There is **no registration fee** for the faculty members from TEQIP Institutes for this FDP. The interested participants from TEQIP Institutes need to register at this link: <https://forms.gle/hBQqXZBz1szpzWm7>

The link for joining the workshop will be sent by email to all the registered participants.

Organizing Committee

Dr. S. S. Umale
HoD – Mechanical Engg, SPCE

Dr. Ms. Anupa Sabnis,
HoD – Electrical Engg, SPCE

Dr. M. M. Murudi,
HoD – Civil Engg, SPCE

Dr. A. A. Bage
HoD – First Year, SPCE

Patrons

Dr. M. M. Murudi, I/c. Principal, SPCE, Mumbai

Dr. B. K. Agrawal, Principal, REC Rewa.

Coordinators

Dr. R. T. Dahatonde, TEQIP Coordinator, SPCE, Mumbai

Dr. R. P. Tiwari, TEQIP Coordinator, REC Rewa

Dates

8th to 15th Oct 2020

Time

On weekdays:
4.00 pm to 6.00 pm

On weekends:
10.00 am to 1.15 pm

Platform

Google Meet (Online)

Mentors

Dr. S. B. Rane, Dean Academics, SPCE, Mumbai

Dr. Kiran Bhole, Dean R & D, SPCE, Mumbai

Dr. P. P. Nagrale, Dean Finance, SPCE, Mumbai



FDP Schedule

Day	Session No.	Day	Date	Time	Topic	Speaker
1	1	Thu	08-Oct-20	4.00 pm to 6.00 pm	Teacher as a Role Model in the New Normal	Dr. R Sessa Iyer
2	2	Fri	09-Oct-20	4.00 pm to 6.00 pm	Effective Learning and Assessment during Online Teaching	Dr. N C Shivaprakash
3	3	Sat	10-Oct-20	10.00 am to 11.30 am	Relevance of Bloom's Taxonomy during Online Teaching Learning	Dr. S S Rathod
3	4	Sat	10-Oct-20	11.45 am to 1.15 pm	Effective use of online tools for digital teaching and learning	Dr. Nilesh Raykar
4	6	Sun	11-Oct-20	10.00 am to 11.30 am	Measuring Learning Outcomes in Online Teaching Learning	Prof. Ms. Rukaiya Joshi
4	7	Sun	11-Oct-20	11.45 am to 1.15 pm	Learner Centered Teaching - Need of Digi-Learning Era	Mrs. Meenakshi Kulkarni
5	8	Mon	12-Oct-20	4.00 pm to 6.00 pm	NEP-2020: Role of Technical Institutions	Dr. N C Shivaprakash
6	9	Tues	13-Oct-20	4.00 pm to 6.00 pm	ICT Tools available for effective implementation of Digital Pedagogy their Relevance with NBA	Mr. Suresh Mhatre
7	10	Wed	14-Oct-20	4.00 pm to 6.00 pm	Design of Model Curriculum for Overall development of Engineering Graduates	Dr. B. N. Chaudhari
8	10	Thu	15-Oct-20	4.00 pm to 6.00 pm	Valedictory Function	Chief Guest Dr. V G Gaikar