

## Pedagogy Cell Activity Report for Academic Year 2019-2020

❖ Pedagogy cell meet regularly and studying different pedagogy practices adopted / practiced by different engineering institutes across India and abroad. Objectives and Expected Outcomes in line with Perspective Plan for Context: - 'Teaching—Learning—Evaluation' have been finalized and details are given in following table.

• **In the academic year 2019-20, following activities were organized for college faculties.**

- [Ref. :- Perspective Plan (Teaching—Learning—Evaluation):
  - *Action Point no. 2: to investigate and disseminate new pedagogic practices, and*
  - *Action Point no. 3: to explore, experiment, adopt and follow best pedagogic practices in teaching and learning.*]

❖ **Sessions by Pedagogy Cell for all CCEW faculty was arranged on 4th Jan 2020:**

i. **Dr. Sharada Ohatkar** demonstrated the '*Use of Google-forms*' for creating a quiz. She had used such quiz for her course evaluation. She showed the analysis of answers given by the students for a generated quiz as graphs. She explained how to interpret such graphs. Then she showed settings for the quiz in general. In particular, she showed how to set those students should attempt the quiz only once or '*time bar for the examination*' etc. to all the members. A further, different feature of **Google classroom** was also explained with a case study.

• **Dr. Sharada Ohatkar**, illuminated the pedagogical approach called, '**Flipped Classroom**'. She explained What is the meaning of Flipped learning in „Flipped classroom“ teaching technique. She also stated reasons to why you should flip your classroom. She then explained the six steps to be followed to implement a flipped classroom.

• The pedagogical tool '**Crossword**' was demonstrated with help of a case study. How the crossword can be generated with help of <https://www.theteacherscorner.net/> site was explained. The crossword Question sheet and Crossword answer sheet was displayed.

ii. **Dr. Ashwini Deshpande** had demonstrated the screen capture tool '**Active Presenter**'. She recorded certain screen movements and replayed the clip as a demonstration for all faculty. Dr. Sharada Ohatkar and Dr. Ashwini Deshpande had developed and shared detail stepwise information video about creating a „**Google-forms**“ using screen capture tool '**Active Presenter**' with all college faculty.

iii. **Dr. Anand Bewoor** had presented the concept and procedure of '**Think Pair Share**' activity(T-P-S). He had discussed a case study explaining his experience about the T-P-S process adopted for „TY Mech course: Metrology & Quality Control“ and shared the questionnaire to get the feedback from students.

iv. **Dr. Chhaya Gosavi** had explained the use of '**Online (Open Source) Softwares and Android Applications**' to develop educational videos. She had demonstrated different useful features for developing effective videos.



Principal, Dr. Madhuri Khambate addressing the CCEW faculty



Dr. Anand Bewoor



Dr. Ashwini Deshpande



Dr. Sharada Ohatkar



Dr. Chhaya Gosavi



CCEW faculty attending the session

❖ **One week FDP on 'Application of Moodle as LMS' for all CCEW faculty was arranged from 26<sup>th</sup> June to 3<sup>rd</sup> July 2020:**

v. As we experienced pandemic situation, which has changed education dramatically, with the distinctive rise of e-learning, whereby teaching is undertaken remotely and on digital platforms. To make online teaching learning activities more effective, published literature was studied and use of open source 'Moodle' as a learning platform was recommend by **College Pedagogy Cell**. „**One week On-line Faculty Development Program on Application of Moodle LMS**“ was successfully organized and college faculty could develop and started using their course level Moodle for Teaching and Evaluation purpose.

- On the background of need to use online platform, CCEW Pedagogy Cell had organized Hands-On One Week FDP on “Use of Moodle as LMS”. Following expected outcomes were defined;

**Expected Outcomes:**

- Learn to operate & exclusive features of Moodle with hands on experience
- Frame student centric CO-PO mapping & attainment in HOTS with help of Moodle, reducing paper work burden on teachers, tracking each student's progress, with rubrics assessment
- Execute & Promote, 24x7, any time anywhere effective online learning with integrated video conferencing tools like Google meet
- Store, analyze & report students learning data, including attendance tracking in one place, reducing administrative burden on teachers

- For this FDP, Dr. Vinay Kulkarni [currently working as, Head, Dept. of Mechanical Engineering, DYPCOE, Akurdi, Pune] and subject matter expert / Moodle trainer along with his team members worked as a trainer our faculty.
- The scheduled of this one week online FDP was from 26th June to 3rd July 2020. Every day sessions were started on 10:30am and ended approximately at 12:10pm. Every day sessions were followed by Q & A session. Every Hands-On One Week FDP on “Use of Moodle as LMS” day, Dr. Kulkarni has designed an activity, which helped our department faculty to learn to develop Course-Moodle step by step. The detailed day-wise schedule is as follows,

Day	Details of Training Activities
26 <sup>th</sup> June	1. Moodle Structure, Opening Moodle Account, Self-Registration & Methods of Student's Enrolment. Registering site in MOODLE, Adding Units of Syllabus
	2. Turn Editing on, Activities and Resources
27 <sup>th</sup> June	3. Various types of Quizzes ( Statistical Report)
	4. Various types of permissions as per role
29 <sup>th</sup> June	5. Assignment Plug-in (Theory Examination)
	6. Assignment Plug-in (Rubrics Examination)
30 <sup>th</sup> June	7. Completion Progress and Course Completion Status
	8. Tracking Students as per NAAC. Moodle at its best
1 <sup>st</sup> July	9. Game Pedagogy
	10. Awarding Badges to students
2 <sup>nd</sup> July	11. Setting Certificate
	12. Analytics Reports from Moodle – Number of Active Students, Grade Charts
3 <sup>rd</sup> July	13. Analytics Reports from Moodle – Hits Distribution, Assignment Submissions
	14. Query, Interaction with Participants, Valedictory

- It is observed that, all CCEW, Pune faculty members had participated and total 143 faculty members could successfully developed Moodle for their course to teach in next semester.
- As a part of assignment completion of Hands-on one week FDP on: Use of Moodle as LMS following Moodle links are developed by faculties of CCEW for students' learning. This activity was strictly considered as criteria of getting FDP Completion Certificate. After successful completion/fulfilling certificate criteria, faculties had received certificate. One such example is shown here.

