



**A Report on Virtual Session on Conduct of Online Laboratory Classes:
A Demo for School Teacher**

24.09.2020

PSG Center for Academic Research and Excellence (CARE), Coimbatore organized a five-day workshop on “**Effective Teaching Techniques for Online Teaching**” for the teachers in PSG Schools from 21st to 25th September 2020. Dr. P V Mohanram, Principal, PSG Institute of Technology and Applied Research, Neelambur, Coimbatore facilitated a virtual session on “**Conduct of Online Laboratory Classes: A Demo for School Teacher**” on 24th Sept. 2020 (Thursday) along with Mr. P BalaKumar and Mr. V Navin Ganesh, Asst. Professors (Senior Grade), Dept. of Civil Engineering. Dr. R. Rudramoorthy, Director, PSG CARE welcomed the participants and introduced the resource person. Before the commencement of the session, various challenges faced by the teachers, especially for lab, were identified through an online survey and the same were addressed. Some of the major challenges identified in conducting online lab sessions were:

- Effective Engagement of Students
- Access to Monitoring Student Exercises
- Audio-Visual Feedback from the Learners.

During the session, various fruitful strategies were deliberated for the participants to tackle the challenges like:

- Effective Use of Cameras for Demonstration
- Allowing Limited-in-person Learners
- Few Virtual Learners and Receiving Regular Acknowledgement from the Learners
- Stable Network Connection
- Use of Speakers to Listen to the Learner’s Ideas Instantaneously
- Dummy Screen to know what is being presented on Screen.
- Open Broadcast Studio, an online streaming and recording software, was recommended for effective conduct of lab session.

In addition, a demonstration on Hooke’s Law was presented to the audience with step-by-step guidance. Besides demonstration, lab facilitators were requested to employ a combination of various other teaching techniques like use of suitable videos, quizzes and polls to cater to the



needs of different learners. Teachers were asked to help the students to think rather than rote memorization and apply the concepts learned in various other platforms for holistic learning. Around 157 teachers from PSG Schools attended the session along with in-person learners from PSG I Tech. Finally, Dr. R Deepa, Chief Coordinator, PSG CARE proposed the vote of thanks.



Dr. P.V.Mohanram, Principal, and Mr.P.BalaKumar, Asst. Prof address the challenges faced by the teachers during the conduct of online lab session, as part of their presentation on “Conduct of Online Laboratory Classes: A Demo for School Teachers” held on 24th September 2020



In-Person Learners (Faculty) from various departments of PSG I Tech attending the Live Session



Mr.NavinKumar, Technical Manager and Asst. Professor along with Dr. P.V.Mohanram facilitating the session