

**MET's Institute of Engineering
Bhujbal Knowledge City, Adgaon, Nashik
Department of First Year Engineering**

Name of the program: Expert Lecture: "Online Hands on training Program on Virtual Lab"

Date: 26/11/2025 & 27/11/2025

Time: 10.30 to 12.00 pm

Day: Wednesday & Thursday

Venue: IOTP-Seminar Hall

Activity Coordinator: Prof. Archana Shirsat & Prof. Jyotsana Gore

Resource Person: Mr. Saneesh P.F

No. of Participants: 750

Objectives of Session:-

1. To introduce the concept and significance of Virtual Labs.
2. To demonstrate various simulation-based experiments.
3. To provide hands-on experience in navigating, operating, and conducting experiments on virtual lab platforms.
4. To promote self-learning, interactive education, and digital experimentation.
5. To encourage the integration of Virtual Labs into regular teaching-learning processes.

The expert lecture titled "**Online Hands-on Training Program on Virtual Lab**" was organized by **Department of engineering Sciences & Mathematics at METs Institute of Engineering Nashik** to enhance students' understanding and practical skills in using Virtual Labs for academic and research activities. The session aimed to familiarize students and faculty with the features, applications, and advantages of Virtual Laboratory platforms, especially in situations where physical laboratory access is limited.

The expert speaker for the session was **Mr. Saneesh P. F** an experienced professional, project manager & technical lead at physical sciences virtual lab in digital learning tools and virtual laboratory technologies at **Amrita Vishwa Vidyapeetham**, popularly known as **Amrita University**. The resource person provided in-depth insights into the structure, design, and pedagogical relevance of Virtual Labs.

Program Overview

1. Introduction to Virtual Labs:

- Concept, need, and role in modern education.
- Overview of the Virtual Labs developed by MHRD and premier institutes such as IITs.

2. Types of Virtual Labs:

- Simulation-based labs
- Remote-triggered labs
- Measurement/analysis-oriented labs

3. Navigation and Interface Demo:

- Accessing Virtual Lab portals
- Selection and operation of experiments
- Understanding theory, procedure, experiments, quizzes, and results modules

4. Hands-on Demonstration:

- Live demonstration of 2-3 experiments
- Performing simulations and interpreting results
- Recording observations and generating reports

5. Pedagogical Integration:

- How Virtual Labs complement physical labs
- Use in blended learning and outcome-based education

6. Q&A Session:

The resource person addressed participant queries related to experiment selection, system requirements, and effective usage for academic work.

Outcomes of the Program

- Enhanced understanding of Virtual Labs and their applications.
- Improved ability to perform online experiments independently.
- Knowledge of integrating Virtual Labs into coursework.
- Increased awareness of digital tools that support remote learning.

Feedback from Participants

- Participants appreciated the clarity of the demonstration and practical orientation of the session. Many expressed interest in using Virtual Labs regularly for academic practice and teaching.

Conclusion

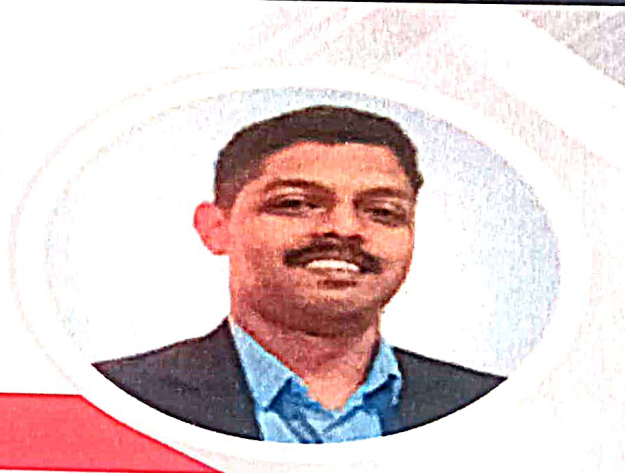
The “Online Hands-on Training Program on Virtual Lab” successfully achieved its aim of empowering learners with digital experimentation skills. The session bridged the gap between theoretical knowledge and practical implementation by offering an interactive and accessible platform for laboratory learning. Such programs are essential to prepare students for technology-driven education and research environments.

DEPARTMENT OF ENGINEERING SCIENCES & MATHEMATICS

ORGANIZES

Expert Lecture on

ONLINE HANDS-ON TRAINING PROGRAM ON VIRTUAL LABS



Mr. Saneesh P. F.

For Divisions: A, B, C, D, E, F

Date: 26/11/2025 (Wednesday)

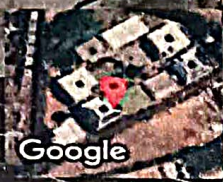
Time: 10:30 AM to 12.00 PM


For Divisions: G, H, I, J, K, L

Date: 27/11/2025 (Thursday)

Time: 10.30 AM to 12:00 PM

Venue: Seminar Hall, IOTP

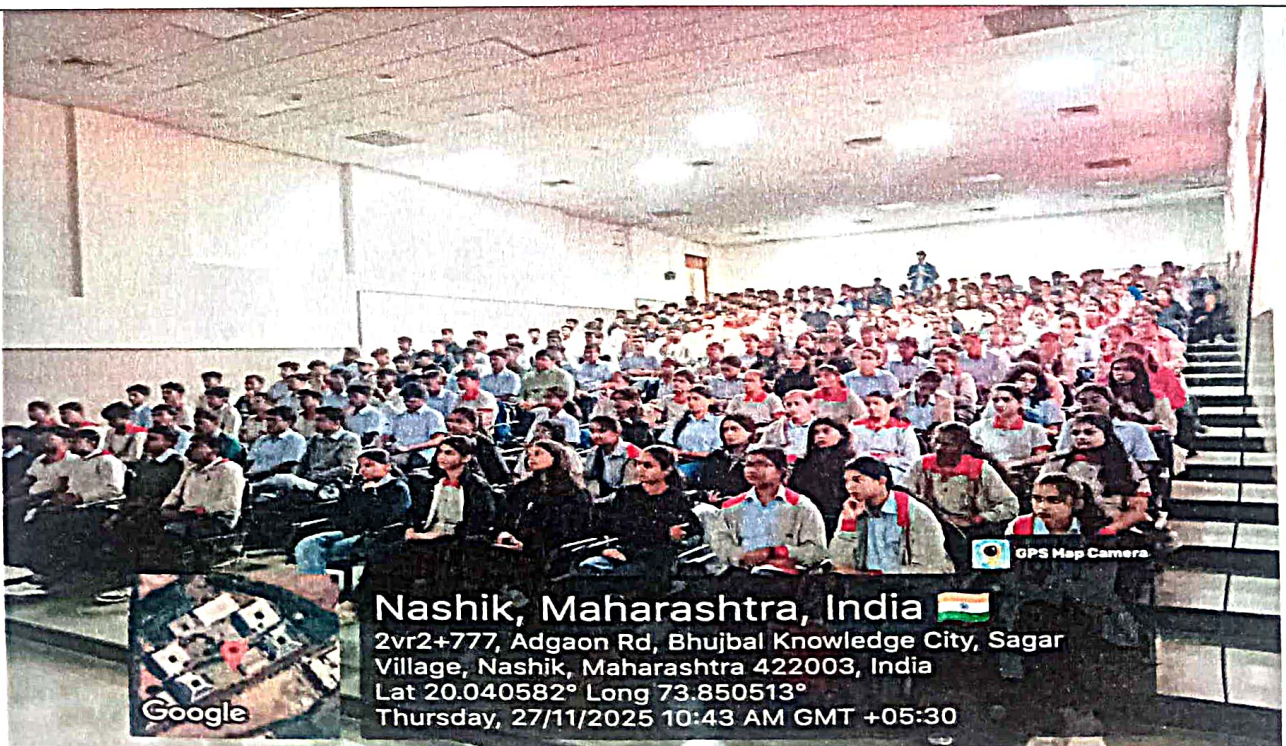



Nashik, Maharashtra, India 
S. No 1071 Bhujbal Knowledge City, Adgaon, Bhujbal.
Knowledge City, Adgaon, Nashik, Maharashtra 422003, India
Lat 20.040375° Long 73.850099°
Thursday, 27/11/2025 10:35 AM GMT +05:30

Mr.Saneesh .P.F Conducted Session Virtually



Nashik, Maharashtra, India 
Bhujbal Knowledge City Adgaon Shivar, Near Gramin Police
Vasahat, Bhujbal Knowledge City, Panchavati, Nashik,
Maharashtra 422003, India
Lat 20.040305° Long 73.849778°
Wednesday, 26/11/2025 10:56 AM GMT +05:30

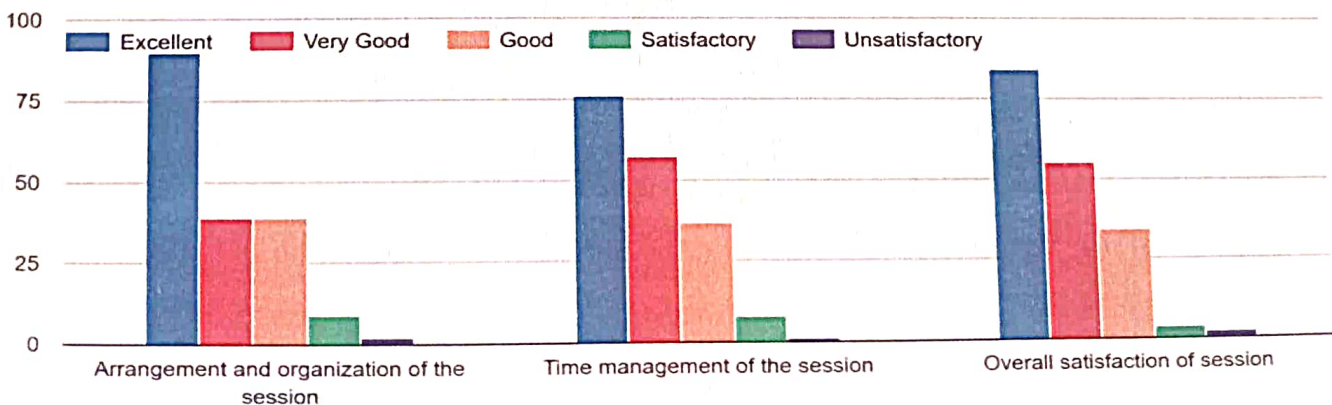


Nashik, Maharashtra, India 
2vr2+777, Adgaon Rd, Bhujbal Knowledge City, Sagar
Village, Nashik, Maharashtra 422003, India
Lat 20.040582° Long 73.850513°
Thursday, 27/11/2025 10:43 AM GMT +05:30

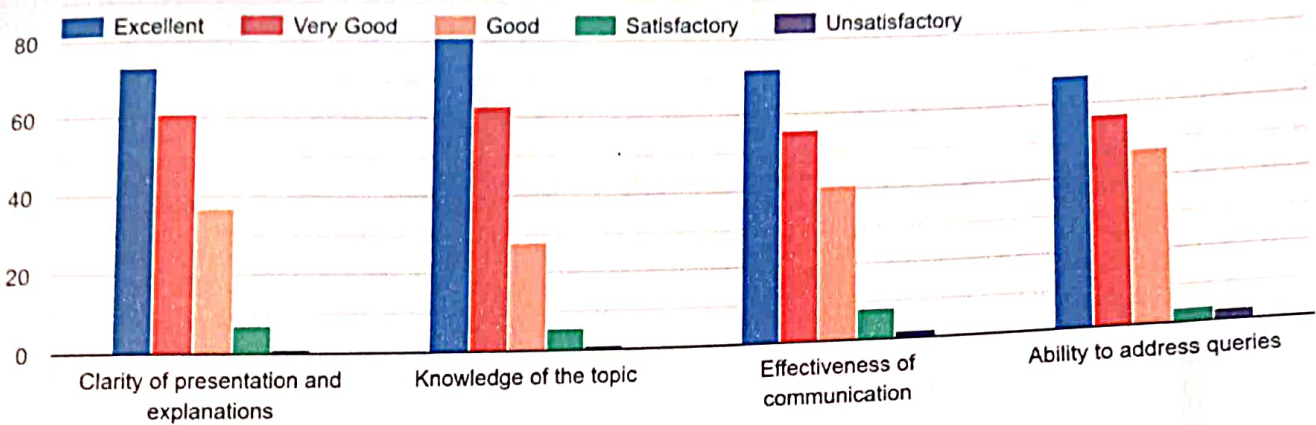


Student's feedback:

Please rate the quality of the following



Please rate the quality of the following aspects of the speaker:



Any suggestion for today's sessions:

- Session should have been conducted offline so that it would have been more communicable.
- this session is very helpful to understand new things and Knowledge
- Excellent session it really helpful to develop our tech. Skills and knowledge
- Today's session was Most Useful and I learned a lot and Keep up the good work, many children will benefit from it.
- More practical examples and case studies will help in understanding concepts better.

Archana
Jyotsana
Prof. Archana Shirsat &
Prof. Jyotsana Gore
(Coordinator)

V.S.
Dr. V. S. Khairnar
(FE-Coordinator)

Vijaykumar P. Wani
Dr. Vijaykumar P. Wani
(Principal)