



Vidyavardhini's College of Engineering and Technology, Vasai  
विद्यावर्धिनीचे अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय, वसई  
Affiliated to the University of Mumbai.

24\_A seminar on  
"Importance of Research  
and Lab Teaching"  
by Mr. Nissar Khan, IIT  
Bombay

Department of Civil Engineering

## Report on "The Importance of Research and Lab Teaching in Education"

**Date of Lecture-** 24<sup>th</sup> May 2023, Wednesday from 11:00 a.m. to 01:30 p.m.

**No. of Participant-** 30

**Name of the Speaker-** Mr. Nissar Khan (Technical Officer, Civil Engineering Dept., IIT Bombay)

**Introduction:** The seminar on "The Importance of Research and Lab Teaching in Education" took place on 24<sup>th</sup> May 2023 at III<sup>rd</sup> floor Seminar Hall, VCET, Vasai. The aim of the seminar was to shed light on the significance of integrating research and lab teaching in the education system and how these components contribute to a comprehensive learning experience.

### **Keynote Speaker:**

Mr. Nissar Khan is currently working as Technical Officer in the department of civil engineering at IIT Bombay. He holds professional degree in Bachelor of engineering (B.E) in Civil Engineering and Master of Technology (M. Tech) in Structural engineering. He has a vast experience in the field of concrete, structural engineering and all the civil engineering experimentation work.

### **Description of the lecture:**

Expert lecture on "The Importance of Research and Lab Teaching in Education" was conducted on 24<sup>th</sup> May 2023, Wednesday from 11:00 a.m. to 01:30 p.m.

The first session focused on how research and lab teaching enrich the learning experience. The speaker highlighted that hands-on experiences provide students with a deeper understanding of theoretical concepts. Practical applications encourage critical thinking and creativity, ultimately enhancing the overall educational journey.



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Affiliated to the University of Mumbai.

The discussion revolved around how lab work cultivates practical skills, including experimentation techniques, data analysis, and equipment operation. Participants agreed that these skills are invaluable in preparing students for future careers. Furthermore, he explored how research and lab teaching spark curiosity and foster innovation. The participants engaged in a discussion about the role of these components in encouraging students to explore beyond the classroom, develop new ideas, and contribute to the advancement of knowledge.

In the next session, the focus shifted to the importance of collaboration and communication skills. Participants shared experiences of how research projects and lab activities encourage teamwork and effective communication, essential skills for success in any field. Also he highlighted the personal and professional growth that stems from engaging in research and lab work. Participants discussed how these experiences boost students' confidence, self-esteem, and sense of accomplishment, thereby preparing them for challenges in their careers. Additionally, he underscored the significance of faculty-student interaction in research and lab settings. Attendees agreed that mentorship from faculty members not only enhances the quality of research but also establishes meaningful connections between students and educators.

The seminar concluded with a discussion on how research and lab experiences instill a passion for lifelong learning. Participants shared insights into how these experiences encourage individuals to stay updated with the latest developments in their fields throughout their lives.

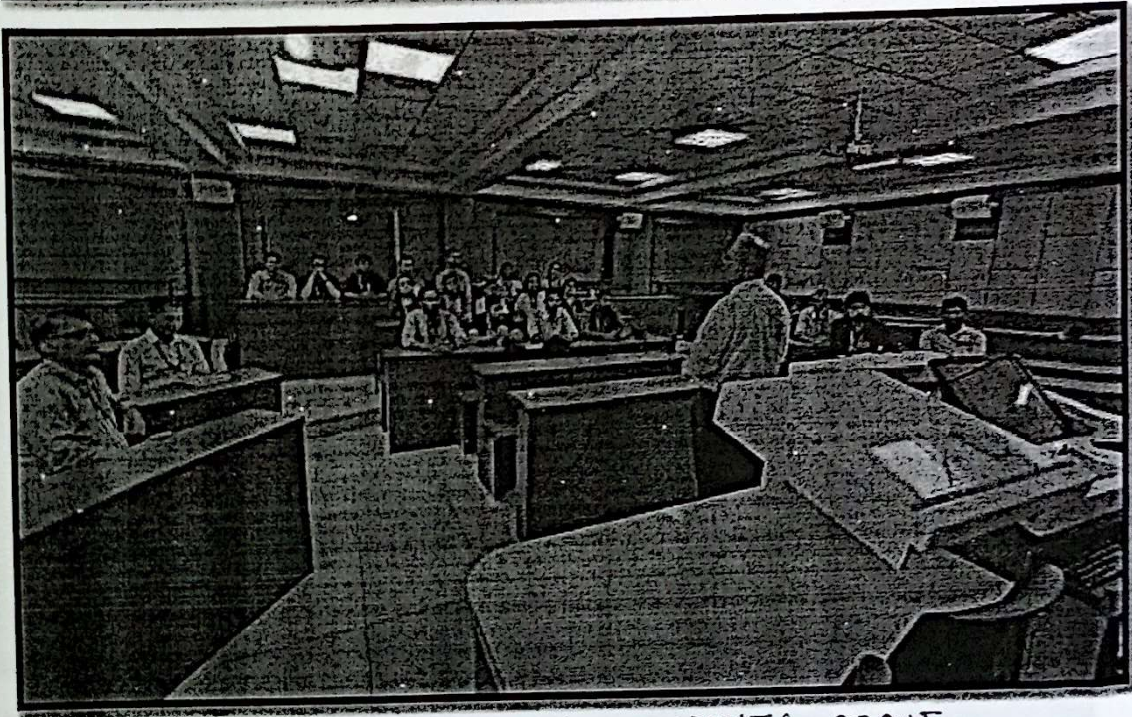
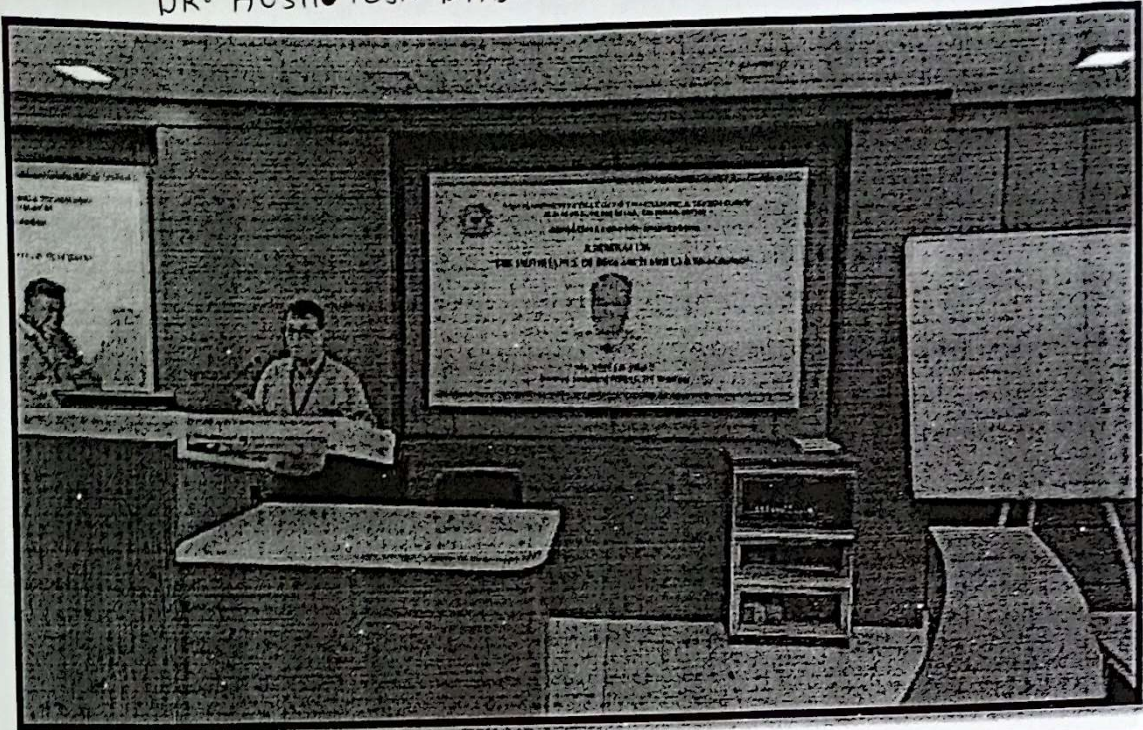
**Conclusion:**

The seminar on "The Importance of Research and Lab Teaching in Education" provided a comprehensive exploration of the various dimensions of research and lab teaching. It was evident that these components not only enhance the educational journey but also nurture essential skills, foster innovation, and prepare individuals for future challenges. The seminar served as a platform for rich discussions and valuable insights, emphasizing the significance of incorporating research and lab teaching into the education system.



Glimpses of the lecture-

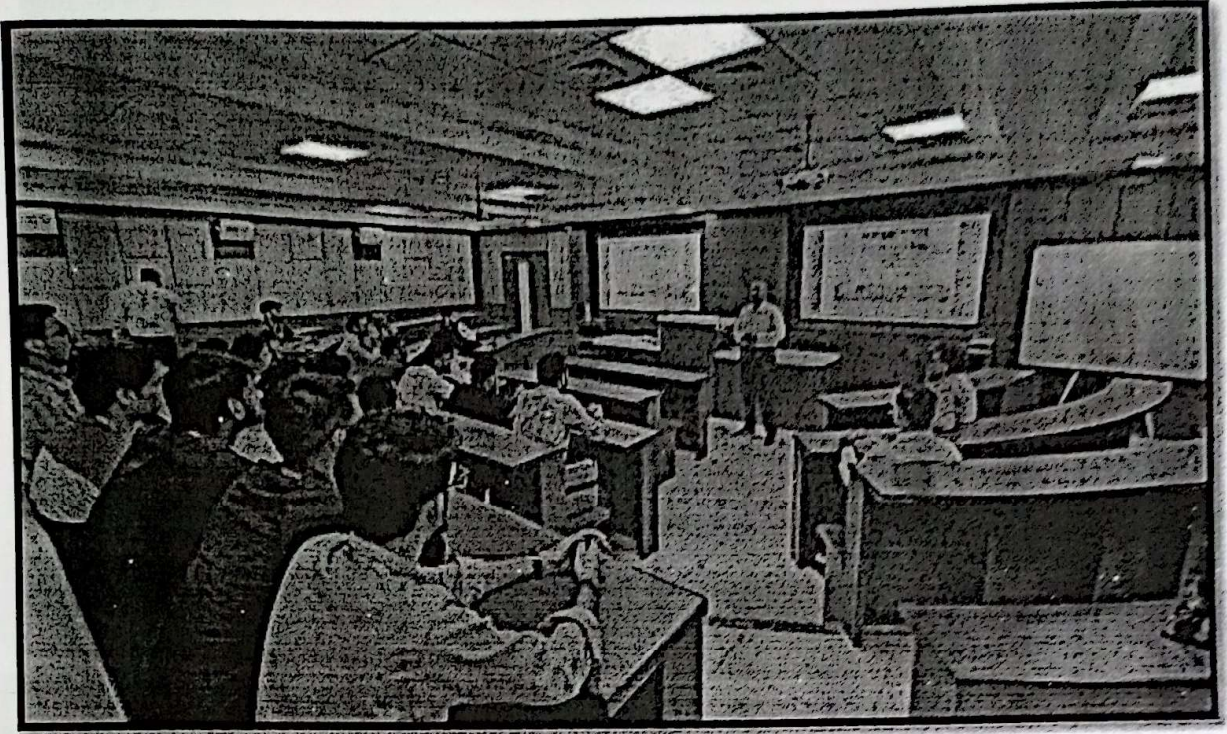
DR. AUSHU TO SH DABLI INAUGURATING THE SESSION.



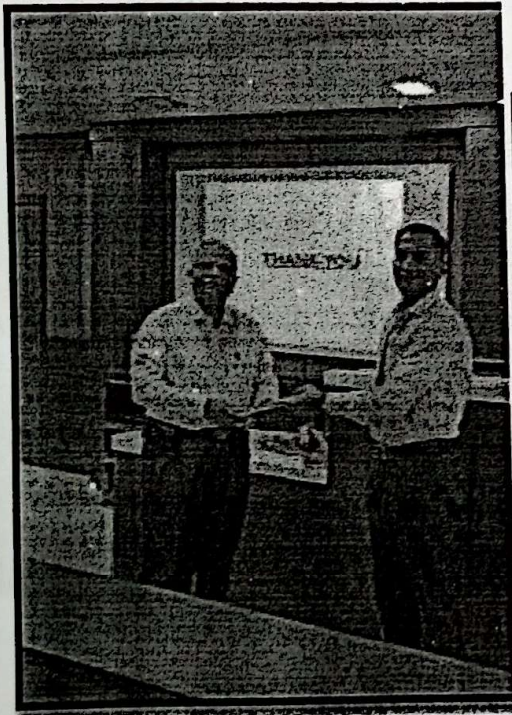
SPEAKER ADDRESSING STUDENTS ABOUT  
"IMPORTANCE OF LAB TESTING"



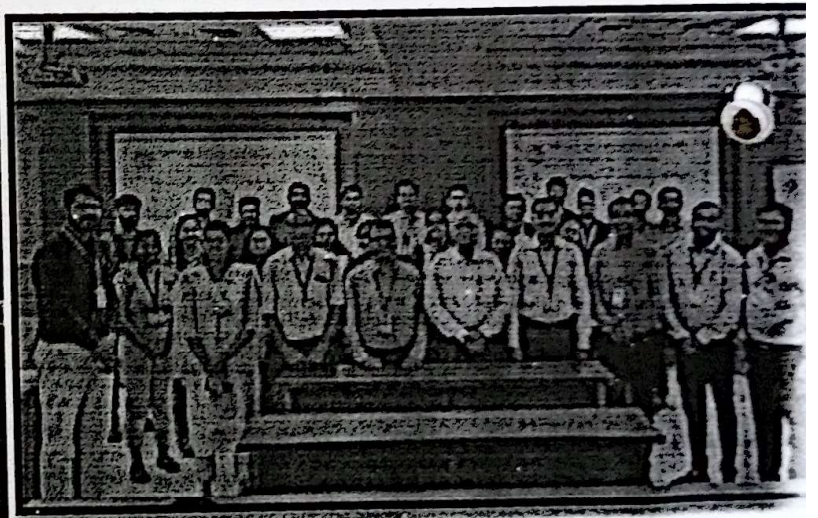
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QIA SESSION WITH SPEAKER.



DR. ASHISH CHOUDHARY, DEAN R&D  
FELICITATING THE SPEAKER.



COMMEMORATIVE PHOTO  
WITH SPEAKER.



A seminar on "The Importance of Research and Lab Teaching"  
For M.E. students, Civil Dept.

Date  
24/10/23

Sl. No.	Name	Branch	Sign.
1	Nikhil S. Gawad	Civil	
2	Vikrant Kothari	Civil	
3	Chingre J.B	Civil	
4	Pratiksh N. Panda	Civil	
5	Ganesh Bhaule	Mech	
6	Ravi Vipul M.	Mech	
7	Dipak Choudhary	Mech	
8	Deep Kumar Patil	Civil	
9	Taha Darivala	Civil	
10	Shreyas Sane	Civil	
11	Deelisha Shetty	Civil	
12	Kinaya Salunkhe	Civil	
13	Rishi Pawar	Civil	
14	Mangesh B. Nannaware	Civil-ME	
15	Vishal T. Patel	Civil-ME	
16	Arpit A. Kumbhar	Civil-ME	
17	Deep G. Rathod	Civil-ME	
18	KRUPESH H. DEVALIKAR	ME-Civil	
19	Tanvi Dargare	ME-Civil	
20	Aparna Nishitara	ME-Civil	
21	Harshita Patil	ME-Civil	
22	Kartiki K. Ghate	ME-Civil	
23	Somniddhi V. Sawane	ME-Civil	
24	Vaaru Sane	ME-Civil	
25	Yash B. Srivastava	ME-Civil	
26	Shubham R. Adhikari	ME-Civil	
27	Chintan S. Jangam	ME-Civil	
28	Viren B. Chandankhede	Civil	
29	Dr. Ashish Chaudhary	Mech	
30	Dr. Arun Dabhi	Civil	



ASRice

HEAD  
DEPT. OF CIVIL ENGG.  
Vidyavardhini's College of  
Engineering & Technology  
Vasai Road (W)- 401202.



# VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

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Department of Civil Engineering

Date: 24/05/2023

To,

Mr. Nissar Khan

Retd. Technical Officer, IIT Bombay

**Subject: Appreciation Letter**

Respected Sir

On behalf of Vidyavardhini's College of Engineering and Technology, we would like to extend our heartfelt appreciation for the invaluable contribution you made during seminar on the "Importance of Research and Lab Teaching" held on 24<sup>th</sup> May 2023

We appreciate the time you took out of your busy schedule to share your insights and expertise with students.

Thank you again and we hope that you will oblige us for other occasions.

Dr. Ajay Radke

HOD

Civil Engineering Department,  
VCET

Dr. Harish Vankudre

Principal

Civil Engineering Department,  
VCET