

AICTE Idea Lab Visit Report

Visit Summary

- Event Name: Visit at AICTE Idea Lab at K.K Wagh Institute of Engineering and Research Nashik.
- Class: FE (AI & DS)
- Semester: I
- Date and Time: 03/11/2025, 10:30am to 4:30 p.m.
- Venue: K.K Wagh Institute of Engineering and Research, Nashik .
- Number of Students attended: 120
- Coordinators: Ms.Sonali N. Jadhav.

Ms.Neelima S. Ambekar.

1. Introduction

A Visit was organized for First Year AI & DS students to Idea Lab at K.K Wagh Institute of Engineering and Research Nashik on 03/11/2025. The visit was arranged to bridge the gap between academic learning and Actual practices, and to give students exposure to real-world Examples of Design Thinking.

2. Objectives of the Visit

- Make students more **imaginative and creative**.
- Train students in *21st-century skills* such as critical thinking, collaboration, and design thinking
- Train faculty in new teaching-learning approaches, research, and project guidance.
- Encourage **projects and internships** using the lab
- Transform engineering education at K.K Wagh Institute of Engineering and Research by integrating innovation and hands-on learning

About Idea Lab

- The IDEA Lab at K.K Wagh Institute of Engineering and Research is part of the **AICTE-IDEA Lab** initiative "Idea Development, Evaluation, and Application" funded jointly by AICTE and the institute.
- Its purpose is to provide a common, multidisciplinary space where students can take an *idea* and turn it into a *prototype*

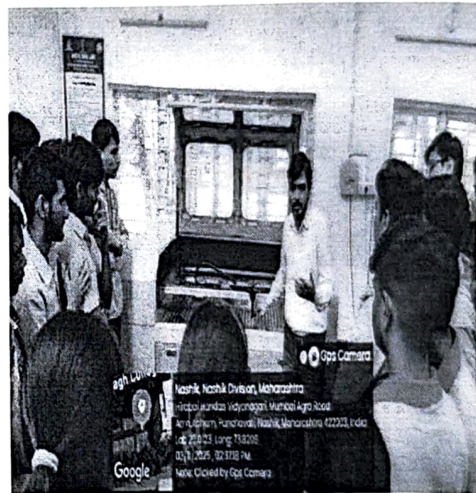
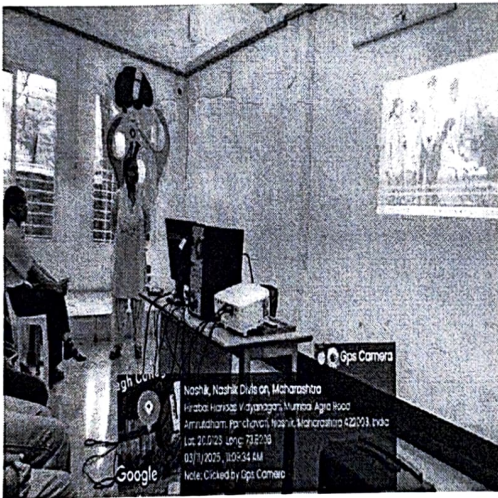
3. Visit Details & Activities

- **Orientation Session:**

Students were introduced to the vision, mission, and functioning of the IDEA Lab. Coordinators explained how the lab supports innovation, prototyping, and interdisciplinary projects.

- **Design Thinking Demonstration:**
Students received an overview of the Design Thinking cycle: *Empathize, Define, Ideate, Prototype, Test* with real examples of student projects.
- **Lab Tour & Equipment Demonstration:**
Students visited different sections of the lab such as: 3D Printing & Scanning Section, CNC Router & Laser Cutting Area, Electronics & PCB Fabrication Section.
- **Hands-On Exposure:**
Selected groups interacted with machines and tools to understand their working principles and application in engineering projects.
- **Project Showcase:**
The lab team displayed various innovative student projects, explaining the problem statement, design approach, tools used, and final outcome.
- **Q&A and Interaction Session:**
Students engaged in discussions with lab coordinators, asking doubts related to innovation, prototyping, idea generation, and available training programs.

Photos



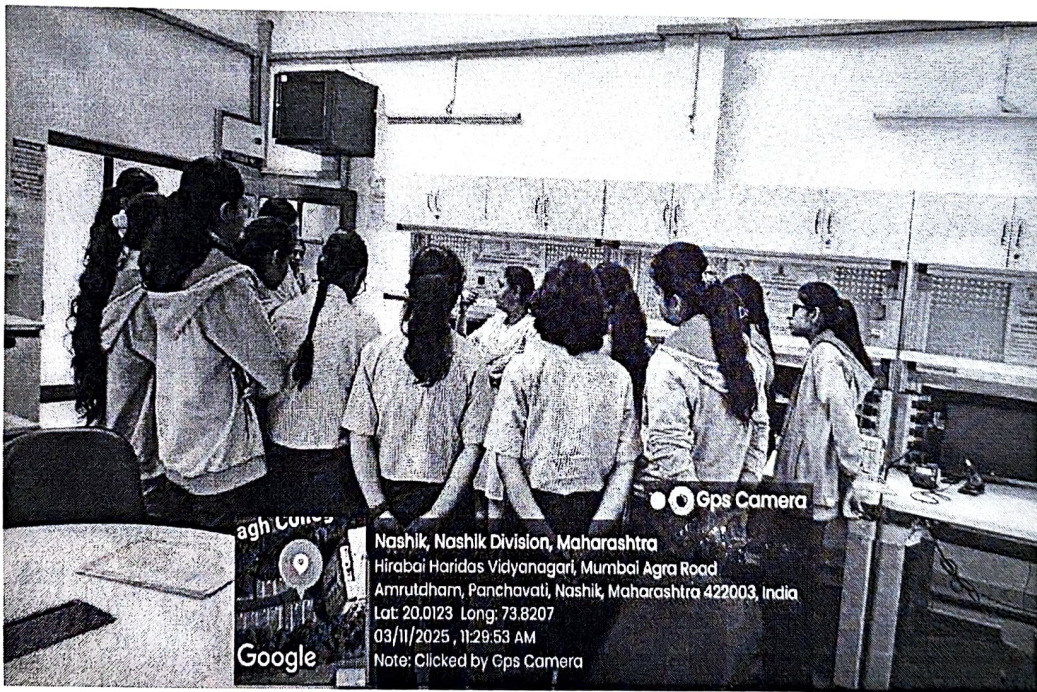
Orientation Sessions



Visit photograph



Thanksgiving to Dr. R. K. Munje



Explanation at Idea lab

4. Outcomes of the Visit

Enhanced Understanding of Design Thinking

- Exposure to Industry-Level Tools & Technologies
- Improved Problem-Solving Skills.
- Practical Knowledge of Prototyping

5. Conclusion

The visit to the Idea Lab at K.K Wagh Institute of Engineering and Research, Nashik proved to be highly informative and enriching for the First Year AI & DS students. It successfully connected classroom learning with real-world applications, helping students understand the practical aspects of Design Thinking. The hands-on exposure, demonstrations, and interaction with innovative tools motivated students to think creatively and develop problem-solving skills. Overall, the visit enhanced their technical awareness and inspired them to engage in future innovation-driven activities and projects.

Ms. Sonali N. Jadhav

Ms. Neelima S. Ambekar

Event Coordinators

Dr. Vinod Khairnar

F.E Co-ordinator

Dr. S. V. Gumaste

Head AI&DS

Head,

Department of AI & DS,
MET's Institute of Engineering,
Bhujbal Knowledge City,
Adgaon, NASHIK - 03.

