Civil Engineering Department
School of Engineering & Technology
Academic Year 2025-26

Two Days Hands-on Training for Mat3D Foundation Design Software

1. Event Title: "Two Days Hands-on Training for Mat3D Foundation Design Software", at the Department of Civil Engineering, SoET, Sandip University, Nashik.

2. Event Date: 25/09/2025 and 26/09/2025.

3. Event Conduction Duration: 10:00 AM TO 5:00PM

4. Event Venue: Planning Lab and construction Management Lab Civil Engineering Department; SoET; Y-Building, Sandip University, Nashik.

5. Event Resource Person Details (Speaker Image, Speaker name, Designation, Company name)

Mr. Deepak Shelar, Dimensional Solutions, Inc.

6. Name of Event Coordinator with contact details:

Dr. Amit Kumar - Mo. 9049381383

7. Number of Participants: All students of third Year and Final Year.

8. Event Outline, Objective & Outcome of the event:

Outline: The Department of Civil Engineering, School of Engineering and Technology (SOET), Sandip University, successfully organized a two-day hands-on training session on MAT3D Foundation Design Software by Dimensional Solutions, Inc. for third-year and final-year students. The session focused on enhancing students' understanding of foundation design through practical software applications and real-time analysis techniques.

Objective:

- To provide students with practical exposure to MAT3D Foundation Design Software and its applications in structural analysis.
- To enhance students' understanding of foundation behavior, soil-structure interaction, and load analysis.
- To bridge the gap between theoretical knowledge and industry-oriented software skills.

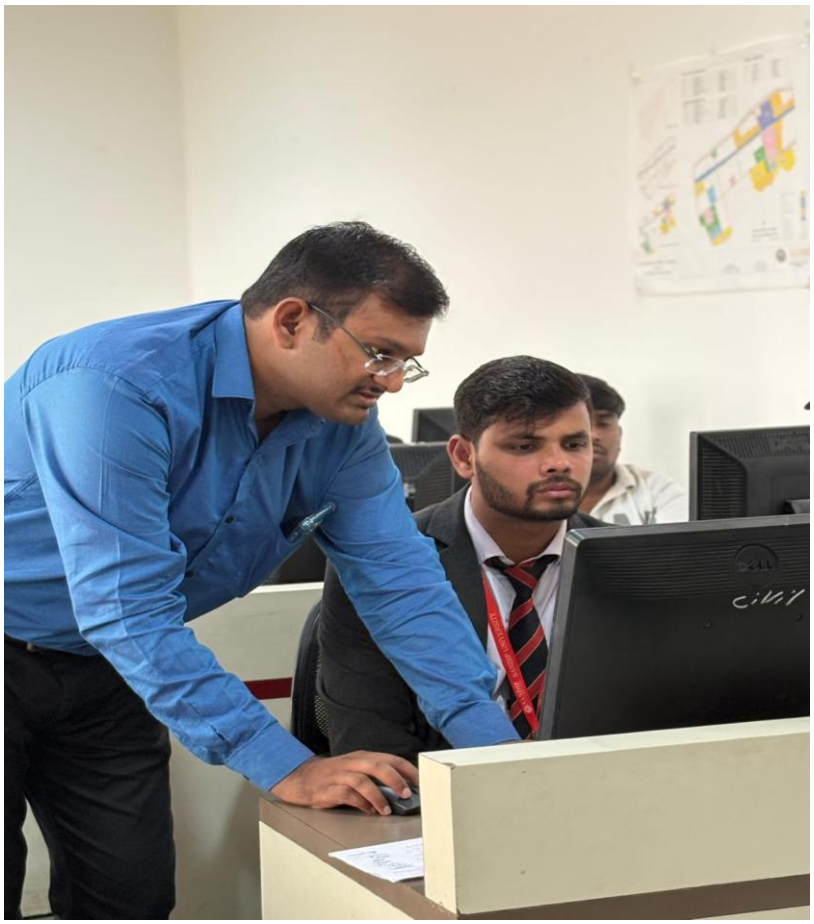
- To prepare students for professional practice by introducing them to modern tools used in foundation design.

Outcome of Event:

- Students gained hands-on experience with MAT3D software for analyzing and designing various foundation systems.
- Improved understanding of soil-structure interaction and settlement prediction techniques.
- Enhanced technical skills and confidence in using finite element tools for design.
- Strengthened industry–academia collaboration with Dimensional Solutions, Inc., promoting practical learning.
- Students became better equipped to handle real-world foundation design challenges with accuracy and efficiency.

Expert from Dimensional Solutions Mr. Deepak Shelar, Conducting the Training Session

Students Attending the MAT3D Foundation Design Software Training



Hands-on Practice Session on MAT3D Software

Participants Practicing Foundation Design using MAT3D