

Report on One-Day Industry visit**Organized by****Department of Civil Engineering****of****Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex****Title:** One-Day Industrial Visit organized by the Department of CE**Industry Site:** Under-Construction Building of Dr. Sudhir Chandra Sur Institute of Pharmaceutical Science and Technology, Dum Dum, Kolkata.**No. of Participants:** 35 B.Tech and Diploma Civil Engineering Students**Date and Time:** 24th November 2025 | 10:00 AM – 1:30 PM

Objective: The objective of this industrial visit was to provide students with practical exposure to real-time construction activities, especially focusing on pile foundation works, reinforcement preparation, and site safety practices. The visit intended to connect theoretical knowledge with actual field execution.

Brief Overview of the Visit: The Department of Civil Engineering, SURTECH, organized a one-day industrial visit for 35 students to the construction site of the upcoming Dr. Sudhir Chandra Sur Institute of Pharmaceutical Science and Technology. Students were equipped with safety helmets and briefed on general site safety guidelines.

The site engineers demonstrated ongoing construction works such as:

- Pile foundation activities using tripod rigs
- Fabrication of reinforcement cages
- Explanation of layout marking and positioning of structural elements
- Overview of drilling machinery and equipment used in deep foundation works

Students interacted with the engineers to understand the construction sequence, quality control processes, and safety norms practiced on-site. The visit offered a real-world perspective on concepts like bearing capacity, reinforcement detailing, and concrete handling.

Outcome:

- Students gained practical understanding of pile foundation execution.
- They observed reinforcement cage fabrication closely, relating it to design principles studied in class.
- Improved knowledge about construction machinery, site safety, and real-time project challenges.
- The visit enhanced students' confidence and strengthened their practical orientation toward civil engineering projects.

Conclusion: The industrial visit provided valuable on-site learning that strengthened the students' understanding of key civil engineering construction practices. By observing pile foundation work and reinforcement detailing firsthand, students were able to connect classroom lessons to field activities more effectively. The Department of Civil Engineering, SURTECH, looks forward to organizing more such industry visits to foster experiential learning and professional development.

Please find the glimpses of the event -



One-Day Industrial Visit organized by the Department of CE on 24th November 2025