

Department of Civil Engineering
Geetanjali Institute of Technical Studies, Udaipur

INDUSTRIAL VISIT TO RMC PLANT

Name of the event/activity: Industrial visit at Ultra tech RMC plant, Udaipur

Academic session: 2024-25

Basic details of the event:

Date & Time: 16-11-2024 & 10:30 AM – 2:00 PM

Place: Ultratech RMC Plant, Udaipur

Type of event: Industrial Visit

Organized by: Department of Civil Engineering

Participants: 1st Semester (First Year) Civil Engineering Students

Objectives of the program:

The objective is to educate first year civil engineering students on the operational processes of Ready-Mix Concrete (RMC) facilities. This includes enhancing their understanding of essential construction materials such as cement, sand, aggregates, and M-Sand, while also emphasizing the critical elements of quality assurance and management in this field.

Importance of the Program:

1. To familiarize students with Ready-Mix Concrete (RMC).
2. To provide knowledge about M-Sand.
3. To introduce students to AAC blocks and their applications.
4. To understand various concreting operations, including mixing, batching, placing, and compacting.
5. To conduct on-site cube tests and assess workability using the slump cone method.

Vision of Department

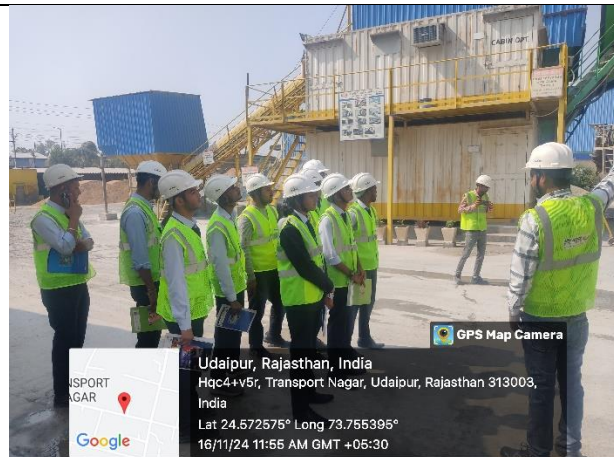
Create an academic ambience to develop civil engineering professionals with technical competencies to meet society and industry needs.

Mission of Department

1. To inculcate among students with fundamentals of basic sciences & engineering required for civil engineering.
2. To impart and empower the quality education required for development of the society and industry.
3. To provide state-of-the-art resources that contributes to ethical & congenial learning environment.

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Photographs of the activity/event:



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Details of the Event:

On November 16, 2024, students visited the ULTRATECH RMC Plant, beginning with an introductory session that provided an overview of the company and its Ready-Mix Concrete (RMC) operations by the QC lead Mr. Manmohan Sir along with Mr. Rahul Sir. The visit included a tour of the storage yard, where students observed key materials such as cement, aggregates, and M-Sand essential for RMC production. They were introduced to critical quality control tests, including the Slump Test and Impact Test, which ensure high-quality RMC output.

Students gained valuable insights into the manufacturing and processing techniques employed at the RMC Plant. Additionally, they explored the QA/QC department, where they observed various testing equipment and procedures used to assess the quality of RMC.

Expert name and details:

Mr. Rahul Kumar

QC Lead, Ultratech RMC, Udaipur Unit

Mob. No. - 8619450892

Outcome of the program

By the end of the visit, students gained valuable knowledge about various building materials and their combination to create Ready-Mix Concrete (RMC). They also developed an understanding of the applications of RMC and the different tests performed on RMC mixes to evaluate their quality.

News Coverage: Not yet

Submitted by:

1. Mr. Jitendra Choubisa (Asst. Prof.)
2. Mr. Rajanikant Suthar (Asst. Prof.)

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