

Chettinad College of Engineering & Technology, Karur

Department of Artificial Intelligence and Data Science

News Report

Programme Name: Industrial Visit

Date: 1-12-2023

Venue: Chettinad Cement Corporation, Karikkali Unit.

Number of Participants: 60

Description:

Industrial visits provide students with an insight into the real working environment, including workstations, plants, assembly lines, machines, and systems, and allow them to interact with highly trained and experienced personnel.

On December 1, 2023, I - Year B.E.-CSE and BTech.-AI&DS students, accompanied by faculty of The Chettinad College of Engineering and Technology, visited the Chettinad Cement Corporation, Karikkali Unit.

A warm reception was given to the students and faculty by the hospitality team at the premises. A lucid presentation about the company and the cement manufacturing process was given by the technical crew in their AV hall.

A simple demonstration of various tests on cement properties like specific gravity, initial and final setting times, consistency limits, etc. was given in their state-of-the-art laboratory.

The advanced lab method of analysing the structure of cement and its composition with X-ray diffraction was also exhibited in a 3-minute test, and their graphical results were well explained.

Students were permitted in their research and development lab, where novel and eco-friendly materials were used in the making of concrete specimens. Lightweight aggregates like sintered ash and bloated clay were shown to the students.

In the cement manufacturing process, the process of pulverising the clinkers and mixing with gypsum was shown. Huge cylindrical silos were used for their storage, and their capacity was shown and explained.

The final phase of the visit was taking the students to their packing section. Students had the real-time experience of viewing the cement from silos being filled in standard packs, sealed, and transferred to the storing yard through conveyor belts.

It was indeed a great opportunity for the students to interact with cement industry experts. This visit provided students with a chance to meet industry leaders and professionals who share their wisdom, learning, and experiences.

Photos:



