



REPORT OF  
ONE DAY WORKSHOP ON

**CONCRETE MIX DESIGN**

ON

1<sup>ST</sup> MARCH 2023

IN ASSOCIATION WITH  
ULTRATECH CEMENT LIMITED  
ORGANIZED

BY

**DEPARTMENT OF CIVIL ENGINEERING**

**K.S.SCHOOL OF ENGINEERING AND  
MANAGEMENT**

**#15, Near Vajrahalli, Mallasandra, Kanakapura Road,**

**Bengaluru-560109**

# Report

The Department of Civil Engineering had organized a One Day Inter-Collegiate Workshop on “Concrete Mix Design” in association with UltraTech Cement Limited at K S School of Engineering and Management, Mallasandra, Bengaluru on 1<sup>st</sup> of March 2023 for UG and PG final year students. 60 final year students of Civil Engineering along with 10 faculty attended the workshop.

Er. Ram Pant [Incharge-Cement Application Lab, UltraTech Cement Limited, Malkhed, Kalaburgi] was the keynote speaker and the Technical Trainer for the workshop. He delivered a lecture on Concrete Mix Design followed by hands-on practice session in the afternoon for all UG and PG students.

The workshop was attended by UG and PG students of Bangalore Institute of Technology (BIT), Jyothy Institute of Technology (JIT), Dayananda Sagar Academy of Technology and Management (DSATM), SJBIT and Government Polytechnic, Ramangara apart from students of KSSEM and KS Polytechnic. Er. Sakamma, Retired Professor also participated in the workshop.

UltraTech Cement Limited also presented a Certificate of Merit to our student Mr. Pavan S (1KG21CV409) from 6<sup>th</sup> semester for having secured the maximum marks in the subject of Concrete Technology in VTU External Exam.

## **Objectives of Workshop:**

There is a tremendous emphasis on infrastructure creation in the country and construction sector plays a major role in infrastructure creation. Majority of the projects involves production and consumption of large volume of concrete. In view of emphasis on the quality of construction and durability aspect, this workshop helped the students learn the fundamentals of Concrete Mix Design and gain better understanding of the mix design principles and procedures. The mix design hands-on session ensured they implement their designed concrete mix practically and test the cubes casted to analyze the compressive strength attained at specific durations. The workshop also facilitated exposure to industrial applications of concrete, wherein the students got an opportunity to discuss and resolve any queries related to concrete mix design with the industrial experts.

## **Outcomes of Workshop:**

- Students understood the concept of Concrete Mix Design.
- They learned to carry out Concrete Mix Design.
- They learned about various IS Codes used for carrying out the Concrete Mix Design.
- They also learned about the significance of mix design and its implication on the activities on site during construction process.
- They practically carried out the Concrete Mix Design and made the concrete mix in the UltraTech Concrete Technology Laboratory and Structures Laboratory.

## **PHOTOS OF WORKSHOP ON CONCRETE MIX DESIGN**



**Inauguration**











Certificate Of Merit From Ultratech Cement Limited to Mr. PAVAN S for securing maximum marks in Concrete Technology subject



*Melle*  
**Convener Signature**  
Professor & Head  
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