

A
REPORT OF
TECHNICAL TALK ON

“CONCRETE MIX PROPORTIONING- A
CASE STUDY”

HELD ON
26TH JUNE 2024

ORGANIZED

BY

DEPARTMENT OF CIVIL ENGINEERING

In Association with

ULTRATECH CEMENT LIMITED

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

#15, Near Vajarahalli, Mallasandra, Kanakapura Road, Bengaluru-560109



KAMMAVARI SANGHAM (R) - 1952



K S SCHOOL OF ENGINEERING AND MANAGEMENT

(Approved by AICTE, Affiliated to VTU & Accredited by NAAC)

DEPARTMENT OF CIVIL ENGINEERING



Organizes
A TECHNICAL TALK
on

"Concrete Mix Proportioning- A Case Study"

FOR

4th & 6th SEMESTER UG CIVIL ENGINEERING

STUDENTS

In Association with

ULTRATECH CEMENT LIMITED

RESOURCE PERSON



Er. S Sabana Sastry

Plant Incharge Quality Control
Ultra Tech RMC Plant

DATE & TIMINGS

26th June 2024
11.00am Onwards

Co-ordinators

Mr. Manjunath B
Mr. Shashi Prasad N

VENUE

Centre of Excellence for Sustainable Construction Practices and Materials Lab
KSSEM Campus

Report of Guest Lecture Organized by Department of Civil

Engineering on 26-06-2024

Academic Year: 2023-24

The Department of Civil Engineering, K S School of Engineering and Management organized a technical talk on “Concrete Mix Proportioning- A Case Study” on 26th June 2024 for 4th and 6th semester students (Civil Engg.) in offline mode. The resource person was Engineer S Sahana Sastry, Plant Incharge Quality Control from Ultratech Cement Limited. The lecture was attended by 40 students of Civil Engineering Department.

Engineer S. Sahana Sastry is a distinguished civil engineer with a wealth of experience in both academia and industry. She holds a Master's degree in Pre-Stressed Concrete from U.V.C.E, Bangalore University, where she conducted significant research on Concrete Filled Steel Tube fluted columns. She also earned her Bachelor's degree in Civil Engineering from Dr. Ambedkar Institute of Technology, with a focus on water quality assessment.

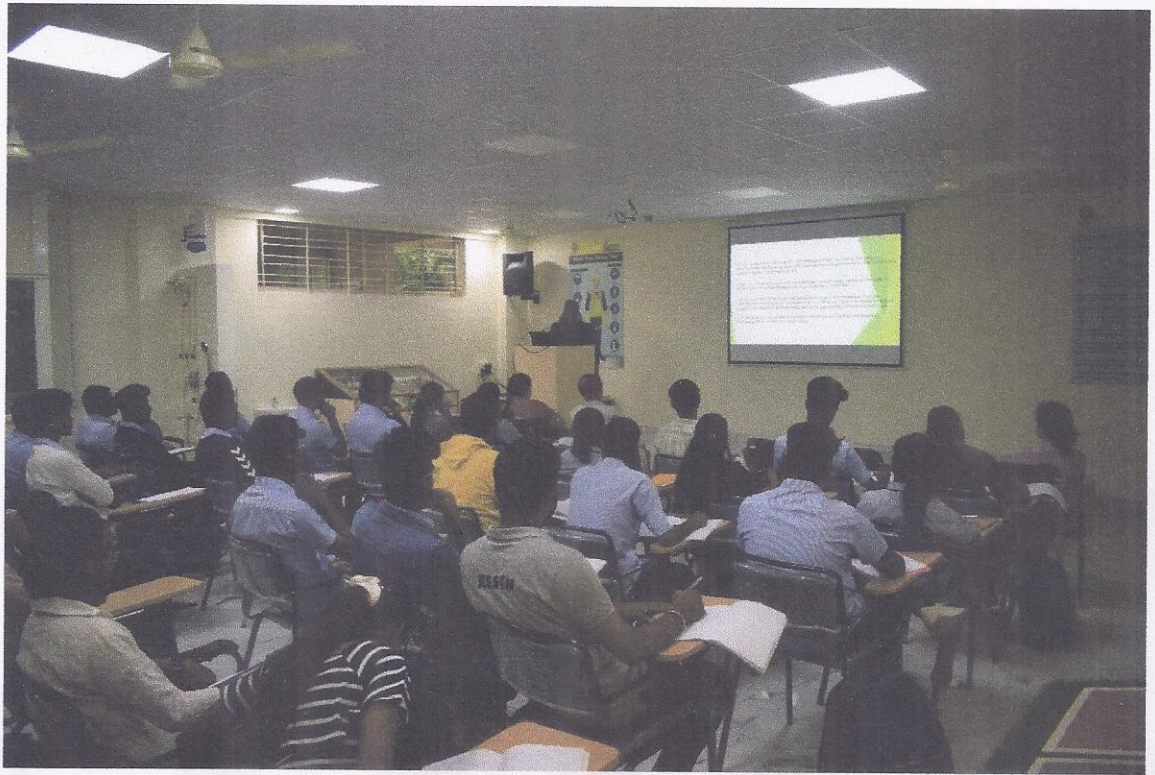
In her professional journey, she has dedicated six years as an Assistant Professor at Rajarajeswari College of Engineering, guiding innovative projects and publishing influential papers in reputed International Journals. She has also worked as an engineer at Yukhti Consultants and Contractors and is currently the Plant Incharge – Quality Control at Ultratech RMC Plant, Bengaluru.

OBJECTIVES OF THE TECHNICAL TALK:

- To understand the fundamentals of concrete mix design.
- To learn about the properties of concrete materials.
- To gain practical experience in designing and testing concrete mixes.
- To discuss recent advancements and challenges in concrete mix design.


REPORT

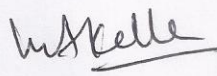
In the morning session, theoretical concepts of concrete mix design were presented, covering concrete composition, mix design methods, and material properties. Additionally, students manually calculated the concrete mix by varying the GGBS content using IS Code 456:2000 and IS 10262:2019, followed by hands- on session in the noon.



OUTCOMES OF THE TRAINING:

1. Participants gained in-depth knowledge about the properties of various components of concrete.
2. Participants were able to manually calculate the concrete mix by varying the GGBS content using the relevant IS codes, enhancing their problem-solving skills and practical application of theoretical knowledge.


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Signature of Co-Ordinator's


Signature of Head-Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062.



KSSEM

K S SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF CIVIL ENGINEERING

A Technical Talk on "Concrete Mix Proportioning- A Case Study" on 26th June 2024

SL.No	USN NO	NAME OF THE STUDENT	SIGNATURE
1	1KG22CV001	ARCHANA U	
2	1KG22CV002	BASAVASHRRE	Basavashree
3	1KG22CV004	RAJESHWARI S	
4	1KG22CV005	SHASHIKALA G S	Shashikala
5	1KG22CV006	TEJAS K	Tejas.K
6	1KG23CV400	AADITHEN B	
7	1KG23CV401	AMITH L	Amith.L
8	1KG23CV402	BHARATH	
9	1KG23CV403	CHANDAN B	
10	1KG23CV404	DARSHAN R	Darshan.R
11	1KG23CV405	DEEPAK SHARMA	Deepak
12	1KG23CV406	FARHAN SHARIFF	Farhan
13	1KG23CV407	I SANJAY KUMAR	I Sanjay
14	1KG23CV408	JAMIL AKHTER	Jamil
15	1KG23CV409	KARTHIK M P	— AB —
16	1KG23CV410	LALIT KUMAR NAIDU	Lalit Kumar
17	1KG23CV411	MOHAMMED MAHEER SHARIFF	Mohammed
18	1KG23CV412	NAGENDRA PRASAD K S	Nagendra
19	1KG23CV413	NAGESH R	Nagesh
20	1KG23CV414	NANDISH K	Nandish
21	1KG23CV415	NAVEEN R	Naveen.R
22	1KG23CV416	NIKHIL R	
23	1KG23CV417	NIVAS K	
24	1KG23CV418	RAKESH GOWDA N	Rakesh
25	1KG23CV419	RANJITHA G H	
26	1KG23CV420	SAGAR Y	Sagar
27	1KG23CV421	SAHANA M GOWDA	Sahana
28	1KG23CV422	SUPRITH K	Suprith

Co-Ordinator

Head of the Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions



K S SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF CIVIL ENGINEERING

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SL.No	USN NO	NAME OF THE STUDENT	SIGNATURE
1	1KG19CV404	NANDARAJ	
2	1KG21CV001	K MANEESH	— AB —
3	1KG21CV002	MANJUNATH S	— AB —
4	1KG21CV003	PRATHEEK SIDDHARTH	— AB —
5	1KG21CV004	PRIYADARSHINI J	
6	1KG21CV005	RAJA L	
7	1KG21CV006	RANJITHA M	
8	1KG21CV007	TEJAS V	— AB —
9	1KG21CV008	VIJAY P	— AB —
10	1KG22CV400	AMOGHA VARSHA B M	— AB —
11	1KG22CV401	DEEPAK L D	— AB —
12	1KG22CV402	JEEVAN C	— AB —
13	1KG22CV403	LAKSHMI N	
14	1KG22CV404	MOHAMMED AAMIR KHALEEL	— AB —
15	1KG22CV405	NIKHIL B	— AB —
16	1KG22CV406	PRAJWAL S	— AB —
17	1KG22CV407	SAI NAGA KOWSHAL S L	— AB —
18	1KG22CV409	SHILPA SAJJAN	— AB —
19	1KG22CV410	SPOORTHI B R	— AB —
20	1KG22CV411	SUBASH S	— AB —
21	1KG22CV412	SUHAS P	— AB —
22	1KG22CV413	SWAROOPA S	
23	1KG22CV414	VINAY V	— AB —
24	1KG22CV415	VIRAAT D	— AB —
25	1KG22CV416	VISHNU KISHORE B	— AB —
26	1KG22CV417	VISHWAS M G	— AB —

Co-Ordinator

Head of the Department
Dept. of Civil Engineering