

A
REPORT OF
GUEST LECTURE ON
“CONCRETE INNOVATIONS CHANGING
THE FUTURE CONSTRUCTIONS”

HELD ON
11TH JUNE 2024

ORGANIZED

BY

DEPARTMENT OF CIVIL ENGINEERING

K.S. SCHOOL OF ENGINEERING

AND MANAGEMENT

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



KAMMAVARI SANGHAM (K) - 1952



K S SCHOOL OF ENGINEERING AND MANAGEMENT
(Approved by AICTE, Affiliated to VTU & Accredited by NAAC)

DEPARTMENT OF CIVIL ENGINEERING



Organizes
A GUEST LECTURE
on

"Concrete Innovations Changing the Future Constructions"

FOR

UG CIVIL ENGINEERING STUDENTS

In Association with

ULTRATECH CEMENT LIMITED

RESOURCE PERSON



Er. K Rajesh Khanna

**Regional Specialty Concrete Manager
UltraTech Cement Limited**

DATE & TIMINGS

**11th June 2024
11.00am Onwards**

VENUE

**Centre of Excellence
KSSEM Campus**

Co-ordinators

**Dr. Naveena M P
Dr. Amrutha Dhira
Mr. Shashi Prasad N**

Report of Guest Lecture Organized by Department of Civil

Engineering on 11-06-2024

Academic Year: 2023-24

The Department of Civil Engineering, KS School of Engineering and Management organized a Guest Lecture on "Concrete Innovations Changing the Future Constructions" on 11th June 2024 for 4th and 6th semester Civil Engg. students in offline mode. The guest lecture was delivered by a seasoned Civil Engineer and Certified Concrete Technologist, Engineer K. Rajesh Khanna. The lecture was attended by 40 students.

Er. K. Rajesh Khanna currently holds the position of Regional Specialty Concrete Manager at UltraTech Cement Limited, a prominent entity within the Aditya Birla Group, stationed in Bengaluru. His responsibilities encompass overseeing operations in Karnataka & Goa.

OBJECTIVES OF THE LECTURE:

1. To explore how recent advancements in concrete technology, such as self-healing materials and ultra-high-performance concrete, are revolutionizing construction practices worldwide
2. To discuss the environmental benefits of innovative concrete solutions, including reduced carbon emissions and enhanced durability, and their potential to shape sustainable building practices in the future.

REPORT

The guest lecture on "Concrete Innovations Changing the Future Constructions" was held with the aim of exploring and discussing advancements in concrete technology that are poised to transform the construction industry. The lecture aimed to educate attendees on innovative materials, techniques, and their implications for future construction practices.

Discussions centered around innovative concrete materials and methods, including their benefits such as improved durability, reduced environmental impact, and enhanced construction efficiency. Real-world applications of these innovations were presented to illustrate their successful implementation in various construction projects. This provided tangible examples of how these advancements can transform traditional building practices. The lecture concluded with an interactive question-and-answer session where participants raised queries about the practicality.

challenges, and future prospects of implementing these innovations. The speaker addressed these questions, clarifying doubts and fostering deeper engagement with the topic.



OUTCOMES OF THE LECTURE:

1. Participants gained a deepened understanding of how innovative concrete technologies can improve structural integrity and sustainability in construction projects.
2. Participants were inspired to explore and implement cutting-edge concrete innovations in their projects, contributing to advancements in the construction industry.

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Signature of Co-ordinators

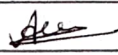

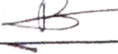


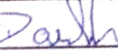
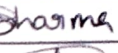
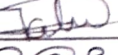

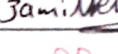

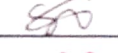
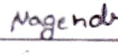
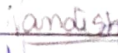
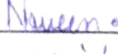
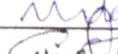
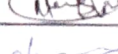

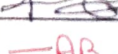
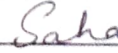
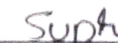
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Signature of Head-Department
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062.

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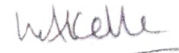
Attendance List for a Guest Lecture on "Concrete Innovations Changing the Future Constructions on 11-06-2024

Sl no	USN NO	Name of the Student	Signature
1	1KG22CV001	ARCHANA U	
2	1KG22CV002	BASAVASHRRE	
3	1KG22CV004	RAJESHWARI S .	
4	1KG22CV005	SHASHIKALA G S	- AB -
5	1KG22CV006	TEJAS K	
6	1KG23CV400	AADITHEN B	- AB -
7	1KG23CV401	AMITH L	- AB -
8	1KG23CV402	BHARATH	- AB -
9	1KG23CV403	CHANDAN B	
10	1KG23CV404	DARSHAN R	
11	1KG23CV405	DEEPAK SHARMA	
12	1KG23CV406	FARHAN SHARIFF	
13	1KG23CV407	I SANJAY KUMAR	
14	1KG23CV408	JAMIL AKHTER	
15	1KG23CV409	KARTHIK M P	- AB -
16	1KG23CV410	LALIT KUMAR NAIDU	
17	1KG23CV411	SHARIFF	
18	1KG23CV413	NAGESH R	- AB -
19	1KG23CV412	NAGENDRA PRASAD K S	
20	1KG23CV414	NANDISH K	
21	1KG23CV415	NAVEEN R	
22	1KG23CV416	NIKHIL R	
23	1KG23CV417	NIVAS K	
24	1KG23CV418	RAKESH GOWDA N	
25	1KG23CV419	RANJITHA G H	
26	1KG23CV420	SAGAR Y	- AB -
27	1KG23CV421	SAHANA M GOWDA	
28	1KG23CV422	SUPRITH K	

Co-Ordinator Signature



HOD



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

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Sl no	USN NO	Name of the Student	Signature
1	1KG21CV001	K MANEESH	— AB —
2	1KG21CV002	MANJUNATH S	— AB —
3	1KG21CV003	PRATHEEK SIDDHARTH	<i>Pratheek Siddharth</i>
4	1KG21CV004	PRIYADARSHINI J	<i>Priyadarshini J</i>
5	1KG21CV005	RAJA L	— AB —
6	1KG21CV006	RANJITHA M	<i>Ranjitha M</i>
7	1KG21CV007	TEJAS V	— AB —
8	1KG21CV008	VIJAY P	<i>Vijay P</i>
9	1KG19CV404	NANDARAJ	<i>Nandaraj</i>
10	1KG22CV400	AMOGHA VARSHA B M	<i>Amogha Varsha B M</i>
11	1KG22CV401	DEEPAK L D	— AB —
12	1KG22CV402	JEEVAN C	<i>Jeevan C</i>
13	1KG22CV403	LAKSHMI N	<i>Lakshmi N</i>
14	1KG22CV404	MOHAMMED AAMIR KHALEEL	<i>Mohammed Aamir Khaleel</i>
15	1KG22CV405	NIKHIL B	— AB —
16	1KG22CV406	PRAJWAL S	<i>Prajwal S</i>
17	1KG22CV407	SAI NAGA KOWSHAL S L	<i>SNK</i>
18	1KG22CV409	SHILPA SAJJAN	<i>Shilpa Sajjan</i>
19	1KG22CV410	SPOORTHI B R	<i>Spoorthi B R</i>
20	1KG22CV411	SUBASH S	— AB —
21	1KG22CV412	SUHAS P	— AB —
22	1KG22CV413	SWAROOPA S	<i>Swaroopa S</i>
23	1KG22CV414	VINAY V	— AB —
24	1KG22CV415	VIRAAT D	— AB —
25	1KG22CV416	VISHNU KISHORE B	<i>Vishnu Kishore B</i>
26	1KG22CV417	VISHWAS M G	<i>Vishwas M G</i>

Co-Ordinator Signature

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