

**A
REPORT OF
EXPERT TALK ON**

**“RECENT TRENDS IN STRUCTURAL
ENGINEERING”**

HELD ON

22ND MAY 2024

ORGANIZED

BY

DEPARTMENT OF CIVIL ENGINEERING

K.S. SCHOOL OF ENGINEERING AND

MANAGEMENT

#15, Near Vajarahalli, Mallasandra, Kanakapura Road,

Bengaluru-560109



KSSEM
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KAMMAVARI SAMGHAM (R) - 1952

K S SCHOOL OF ENGINEERING AND MANAGEMENT

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

DEPARTMENT OF CIVIL ENGINEERING



Organizes

AN EXPERT TALK

ON

"RECENT TRENDS IN STRUCTURAL ENGINEERING"



Resource Person

Prof. Seung Deog Kim

Professor at Southeast University, Nanjing, China

Vice President - Structural Engineers

World Congress Inc. [SEWC Inc.]

Date & Timings:

22nd May 2024

11.30 am Onwards

Venue:

Architecture Seminar Hall

KSSA

Students, Faculty & Consultants are invited

Report of Expert Talk Organized by Department of Civil Engineering

on 22-05-2024

Academic Year: 2023-24

The Department of Civil Engineering, KS School of Engineering and Management organized an Expert Talk on “Recent Trends in Structural Engineering” on 22nd May 2024 for faculty, students and consultants of Civil Engineering field in offline mode. The expert talk was delivered by International Resource Person Professor Seung Deog Kim, Chair Professor at Southeast University, China, and Vice President of Structural Engineers World Congress Inc. (SEWC Inc. Worldwide). The talk was attended by 60 students and 20 faculty members from Civil Engineering and Architecture disciplines.

Prof. Kim is an active member of the Advisory Board for the International Association for Shell and Spatial Structures (IASS). His prolific publication record includes over 300 technical scientific papers, engineering reports, and articles. Throughout his career, he has focused extensively on the nonlinear analysis of spatial structures, with recent endeavors involving the development of a cutting-edge computational program tailored for spatial structures. In addition to his academic pursuits, Prof. Kim serves as an engineering consultant, offering expertise in nonlinear analysis and structural design for various spatial projects.

OBJECTIVES OF THE LECTURE:

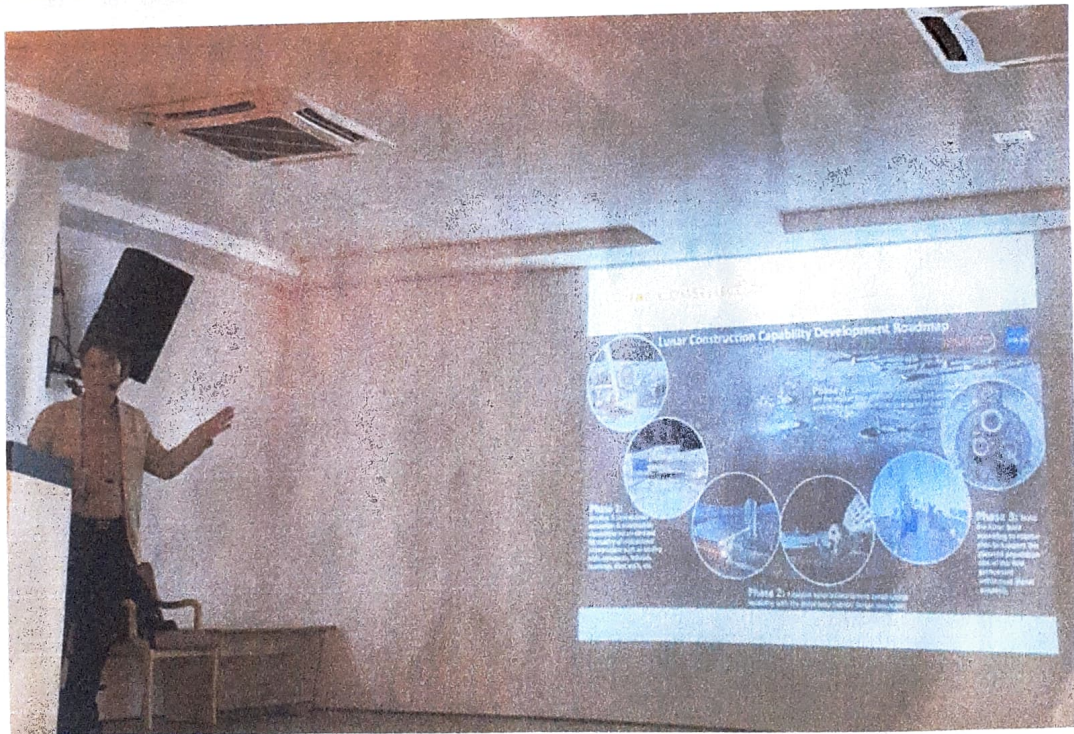
1. To provide a concise overview of recent trends in civil engineering, emphasizing their relevance and impact on the development and adoption of deployable structural systems.
2. To explore the intersection between recent trends in civil engineering and the evolving field of deployable structural systems, identifying synergies, challenges, and opportunities for collaboration.

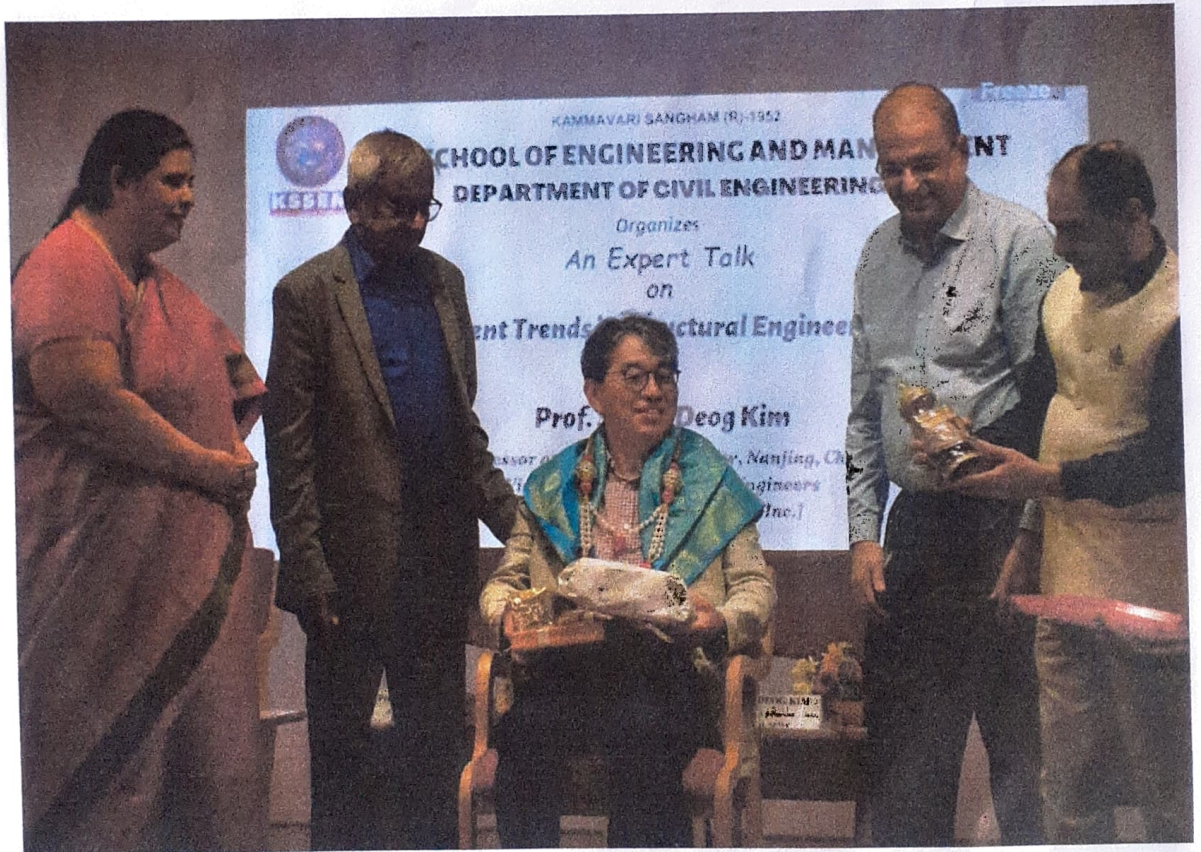
REPORT

The expert talk started with an introduction to Lunar Construction and development road map of lunar construction capability. The topics of the talk covered definitions of various terms, concepts, and techniques related to deployable structures for shelters and facades, working of scissor structures,

tessellation, origami and its applications, prospects in the future and development achievements.

The talk also provided a comprehensive understanding of the advances and development of deployable structures for space exploration and created awareness about the practical applications of deployable structural systems and was well received by the participants. The session ended with queries by participants which were clarified by the speaker.







Interview Video

An interview video with "The Spatial Structures, Movers and Shakers" by University of Surrey. Please find the link of the interview here:

<https://youtu.be/um8LoezNEA>

Presentation starts 07:38 to 23:12

Spatial Structures

Movers & Shakers

UNIVERSITY OF SURREY

IAS5 2020/21 SURREY 7

SeungDeog Kim

OUTCOMES OF THE TALK:

1. The participants gained a deeper understanding of how recent trends in civil engineering, such as sustainable practices, advanced materials, and digital technologies, intersect with the development and application of deployable structural systems.
2. The participants became aware of the potential benefits and challenges associated with innovative structural solutions.



Signature of Co-ordinators



Signature of Department Head

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



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Expert Talk On "Recent Trends In Structural
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1	1KG23CSE01	AFTAB M WALIKAR	-AB -
2	1KG23CSE02	CHIRANTH R	
3	1KG23CSE03	DEEPAK S M	-AB -
4	1KG23CSE04	GOWTHAM	-AB -
5	1KG23CSE05	MAHESH SHIVABASU BEESANAKOPPA	-AB -
6	1KG23CSE06	MANJUNATH S C	-AB -
7	1KG23CSE07	SHIVANANDA Y S	-AB -
8	1KG23CSE08	SHWETHA C	
9	1KG23CSE09	SIDDESH B H	-AB -
10	1KG23CSE10	SUHAS D B	-AB -

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5	1KG21CV004	PRIYADARSHINI J	
6	1KG21CV005	RAJA L	
7	1KG21CV006	RANJITHA M	
8	1KG21CV007	TEJAS V	
9	1KG21CV008	VIJAY P	
10	1KG22CV400	AMOGHA VARSHA B M	
11	1KG22CV401	DEEPAK L D	
12	1KG22CV402	JEEVAN C	
13	1KG22CV403	LAKSHMI N	
14	1KG22CV404	MOHAMMED AAMIR KHALEEL	
15	1KG22CV405	NIKHIL B	
16	1KG22CV406	PRAJWAL S	
17	1KG22CV407	SAI NAGA KOWSHAL S L	
18	1KG22CV409	SHILPA SAJJAN	
19	1KG22CV410	SPOORTHI B R	
20	1KG22CV411	SUBASH S	
21	1KG22CV412	SUHAS P	
22	1KG22CV413	SWAROOPA S	
23	1KG22CV414	VINAY V	
24	1KG22CV415	VIRAAT D	
25	1KG22CV416	VISHNU KISHORE B	
26	1KG22CV417	VISHWAS M G	

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4	1KG22CV005	SHASHIKALA G S	Shashikala G. S
5	1KG22CV006	TEJAS K	Tejas - K
6	1KG23CV400	AADITHEN B	Aadithen B
7	1KG23CV401	AMITH L	Amith. L
8	1KG23CV402	BHARATH	Bharath
9	1KG23CV403	CHANDAN B	Chandan
10	1KG23CV404	DARSHAN R	Darshan R
11	1KG23CV405	DEEPAK SHARMA	Sharma
12	1KG23CV406	FARHAN SHARIFF	Farhan
13	1KG23CV407	I SANJAY KUMAR	I. Sanjay Kumar
14	1KG23CV408	JAMIL AKHTER	Jamil Akhter
15	1KG23CV409	KARTHIK M P	- ABSENT -
16	1KG23CV410	LALIT KUMAR NAIDU	Lalit
17	1KG23CV411	MOHAMMED MAHEER SHARIFF	Maheer
18	1KG23CV413	NAGESH R	Nagesh R.
19	1KG23CV412	NAGENDRA PRASAD K S	Nagendra
20	1KG23CV414	NANDISH K	Nandish K
21	1KG23CV415	NAVEEN R	Naveen R
22	1KG23CV416	NIKHIL R	Nikhil R
23	1KG23CV417	NIVAS K	Nivas K
24	1KG23CV418	RAKESH GOWDA N	Rakesh Gowda N
25	1KG23CV419	RANJITHA G H	Ranjitha G H
26	1KG23CV420	SAGAR Y	Sagar Y
27	1KG23CV421	SAHANA M GOWDA	Sahana
28	1KG23CV422	SUPRITH K	Suprith K.

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