

**A
REPORT
ON
“CIVIL HACKATHON-2024”**



HELD ON

14TH DECEMBER 2024

ORGANIZED

BY

DEPARTMENT OF CIVIL ENGINEERING

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

#15, Near Vajarahalli, Mallasandra,

Kanakapura Road, Bengaluru-560109



KSSEM
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

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

Hack to Win!!
upto Rs.30,000/-
Cash Prizes

ENTRY FEE
RS.300/-
PER EVENT/
TEAM

CIVIL HACKATHON-2024

"Civil Innovation Starts with You!"

Slump Precision

Excellence in Concrete Mix Design



Win Cash Prizes and the Title of
"Mix Maestro Excellence"

UltraTech Cement Limited

First Prize - Rs.5,000/-

Second Prize - Rs.3,000/-

Third Prize- Rs.2,000/-



Revit Revolution

Innovate, Model, Create



Win Cash Prizes and the Title of

"Revit Visionary: Champion of the Build"

Rapsol Technologies Pvt.Ltd

First Prize - Rs.6,000/-

Second Prize - Rs.4,000/-

Young Minds

"Diploma Quiz Quest"



Win Cash Prizes and the Title of
"Diploma Quiz Champion"

First Prize - Rs.1,000/-

Second Prize - Rs.500/-



Building Minds

The Ultimate Civil Quiz Challenge



Win Cash Prizes and the Title of

"Civil Quiz Champion"

First Prize - Rs.5,000/-

Second Prize - Rs.3,000/-

Third Prize- Rs.2,000/-

Scan for Registration, Rules & Regulations



Contact Details:

PROF. MANJUNATH B -8217828727

PROF. SHASHIPRASAD N-9632081005

Organized by:

**DEPARTMENT OF CIVIL ENGINEERING
KSSEM**

Date of Hackathon

14-12-2024

VENUE: DEPT. OF CIVIL ENGG., KSSEM

Our Sponsors



RAPSOL TECHNOLOGIES
Experience Excellence



Report on Civil Hackathon-2024
organized by
Department of Civil Engineering
Academic Year: 2024-25

TITLE OF THE PROGRAM: Civil Hackathon-2024

BRIEF SUMMARY OF PROGRAM: The Department of Civil Engineering, K S School of Engineering and Management organized “**Civil Hackathon-2024**” on 14th December 2024 for intercollege Civil Engg. students in offline mode. The Civil Hackathon-2024 consists of four events including slump precision with 15 groups, REVIT with 11 participants, Quiz for civil engineering students with 12 groups and diploma quiz with 6 groups.

OBJECTIVES OF THE PROGRAM:

1. To design the concrete mix as per IS code provision and to measure the workability and consistency of fresh concrete.
2. The objective of Revit is to enable efficient Building Information Modeling (BIM) for designing, visualizing, and managing construction projects with precision and collaboration.
3. The objective of a quiz program is to assess knowledge and engage participants through a series of structured questions and challenges.

PARTICIPANT'S DETAILS:

Participants: UG and PG students from various engineering colleges. (Intercollege)

No. of Student Participants: 95

REPORT

A Civil Hackathon-2024 is an innovative event designed to bring together professionals, students, and enthusiasts in civil engineering to solve real-world challenges and enhance their technical skills. It typically includes diverse activities such as a concrete slump test, where participants assess the workability and consistency of fresh concrete to ensure its practical

application in construction. The event also integrates sessions on Revit, a powerful Building Information Modeling (BIM) software, enabling participants to design, analyze, and collaborate on construction projects with efficiency and precision. Additionally, engaging activities like a quiz program test participants' knowledge in civil engineering concepts, fostering learning and competition. By combining hands-on testing, software application, and intellectual challenges, a Civil Hackathon encourages innovation, teamwork, and practical problem-solving in the field of civil engineering and winners were given the cash prize.

PHOTOGRAPHS



Inauguration of the program



REVIT



QUIZ



SLUMP



PRIZE DISTRIBUTION

OUTCOMES OF THE PROGRAM:

1. Participants gain hands-on experience with key civil engineering practices, such as testing concrete workability through the slump test, designing and collaborating using Revit software, and applying theoretical knowledge through quizzes.
2. The hackathon promotes teamwork, problem-solving, and innovative thinking, equipping participants to address real-world challenges in civil engineering while encouraging professional growth and networking.

M. K. M. K.

Signature of Head of the Department

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

K. Rama Narasimha

Signature of Principal

Dr. K. RAMA NARASIMHA
Principal/Director
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