

**A REPORT
OF
Technical Talk
on
SCOPE AND APPLICATION OF GIS IN
CIVIL ENGINEERING**

**On
28th February 2025**

Organized

By

**Department of Civil Engineering
K.S.School of Engineering & Management**

#15, Near Vajarahalli, Mallsandra, Kanakapura Road,

Bengaluru-560109

Report on Technical Talk On Scope And Application Of GIS In Civil Engineering

Organized by: Department of Civil Engineering

Participants: 4th and 6th Semester Students

Location: Department of Civil Engineering, K.S. School of Engineering & Management

Date: 28.02.2025

The Department of Civil Engineering organized a technical talk on "**Scope and Application of GIS in Civil Engineering**" by **Mr.Vijay Kumar** and **Er.Mithun** from **Avakaza Geoscience Research Technologies** to provide insights into the significance of Geographic Information Systems (GIS) in modern civil engineering practices. The session aimed to educate students and faculty on the applications of GIS in infrastructure development, urban planning, and environmental management.

Objectives of the Programme

- **To introduce GIS technology and its relevance to Civil Engineering** – Understanding how GIS enhances planning, designing, and managing civil engineering projects.
- **To explore various applications of GIS in surveying, mapping, and infrastructure planning** – Learning how GIS improves accuracy, efficiency, and decision-making in civil engineering tasks.
- **To highlight career opportunities in GIS for civil engineers** – Providing insights into the growing demand for GIS expertise in fields like urban planning, transportation, and disaster management.

Outcomes of the Programme

- **Participants gained fundamental knowledge of GIS and its components** – Understanding the basics of GIS technology and its significance in civil engineering.
- **The talk demonstrated how GIS improves surveying, land-use planning, and transportation management** – Showcasing the practical benefits of GIS in real-world civil engineering applications.
- **Exposure to GIS software tools and their practical applications** – Providing hands-on insights into tools like ArcGIS and QGIS for professional and academic use.

Summary of the Programme

The Department of Civil Engineering organized a technical talk on "Scope and Application of GIS in Civil Engineering" to provide students and faculty with insights into the role of Geographic Information Systems (GIS) in modern infrastructure development. The session covered the fundamentals of GIS, its applications in surveying, mapping, land-use planning, and transportation management, and its significance in decision-making and spatial analysis.

The expert speaker discussed real-world case studies, demonstrating how GIS enhances efficiency and accuracy in civil engineering projects. Participants also gained exposure to GIS software tools such as ArcGIS and QGIS, encouraging them to integrate GIS into academic projects and research.

The event successfully created awareness about career opportunities in GIS and its growing demand in civil engineering fields like urban planning, disaster management, and environmental monitoring.

Photos of the Event





Bengaluru, Karnataka, India
K S School Of Engineering And Management Engineering Block, off,
Kanakapura Rd, Bengaluru, Mallasandra, Karnataka 560109, India
Lat 12.859284° Long 77.542714°
28/02/25 11:42 AM GMT +05:30

Coordinator Signature

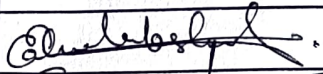
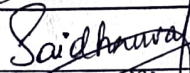
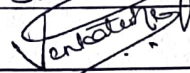
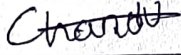
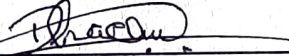

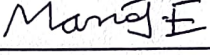
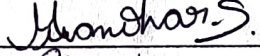
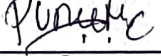
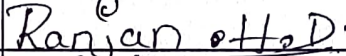


Head of the Department

Professor & Head
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K.S. Group of Institutions
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Bangalore-560 062.

K S SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF CIVIL ENGINEERING

4th Sem Student List

The Title is Scope and Application of GIS in Civil Engineering (28/02/2025)

Sl.No	USN NO	Name of the Student	Signature
1	1KG23CV001	MAHALAKSHMI M	
2	1KG23CV002	SAI DRUVA M K	
3	1KG23CV004	VENKATESH MURTHY S	
4	1KG24CV400	ANIL R	-AB-
5	1KG24CV401	AYUSH VENUGOPAL K L	-AB-
6	1KG24CV402	CHANDRASHEKAR J	
7	1KG24CV403	DARSHAN G V	
8	1KG24CV404	M H MANOJ KUMAR	
9	1KG24CV405	MANOJ E	
10	1KG24CV406	MURALI MANOHAR S	
11	1KG24CV407	PUNEETH K	
12	1KG24CV408	RANJAN H D	
13	1KG24CV409	RAVI ABHILASH	
14	1KG24CV410	VASANTH KUMAR P	

K S SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF CIVIL ENGINEERING
6th Sem Student List

The Title is Scope and Application of GIS in Civil Engineering (28/02/2025)

1	1KG22CV001	ARCHANA U	Archana. U
2	1KG22CV002	BASAVASHRRE	Basavashree
3	1KG22CV004	RAJESHWARI S	-AB-
4	1KG22CV005	SHASHIKALA	Shashikala
5	1KG22CV006	TEJAS K	Tejas
6	1KG23CV400	AADITHEN B	Aadithen. B
7	1KG23CV401	AMITH L	-AB-
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	-AB-
14	1KG23CV408	JAMIL AKHTER	Jamiltakhter
15	1KG23CV410	LALIT KUMAR NAIDU	Lalit
16	1KG23CV411	MOHAMMED MAHEER SHARIFF	Maher
17	1KG23CV412	NAGENDRA PRASAD K S	Nagendra Prasad KS
18	1KG23CV413	NAGESH R	-AB-
19	1KG23CV414	NANDISH K	nandish. k
20	1KG23CV415	NAVEEN R	Naveen R
21	1KG23CV416	NIKHIL R	Nikhil. R
22	1KG23CV417	NIVAS K	Nivas K
23	1KG23CV418	RAKESH GOWDA N	-AB-
24	1KG23CV419	RANJITHA G H	-AB-
25	1KG23CV420	SAGAR Y	Sagar. Y
26	1KG23CV421	SAHANA M GOWDA	Sahana. M. Gowda
27	1KG23CV422	SUPRITH K	-AB-