



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109

DEPARTMENT OF CIVIL ENGINEERING

TEACHING AND LEARNING

PEDAGOGY REPORT

Academic Year	2024-2025
Name of the Faculty	Mr. Shashi Prasad N
Course Name/ Code	Engineering Survey / BCV302
Semester	III
Activity Name	Technical Talk
Topic Covered	Scope and Application of GIS in Civil Engineering
Date	28-02-2025
No. of Participants	32
Objectives/ Goals	<p>To introduce GIS technology and its relevance to Civil Engineering- Understanding how GIS enhances planning, designing, and managing civil engineering projects.</p> <p>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.</p> <p>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.</p>
Infrastructure / Facilities	ICT
Appropriate Method/Instructional materials/ Exam Questions Objective questions were framed from both the modules	
Relevant POs	PO1, PO5, PO9, PO10, PO12
Significance Results/Outcomes	<p>Participants gained fundamental knowledge of GIS and its components - Understanding the basics of GIS technology and its significance in civil engineering.</p> <p>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.</p> <p>Exposure to GIS software tools and their practical applications Providing hands on insights into tools like ArcGIS and QGIS for professional and academic use.</p>

Reflective Critique	The scope and application of GIS in civil engineering are vast and transformative, enabling smarter planning, design, analysis, and management of infrastructure, but require careful integration with domain expertise for maximum effectiveness.
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Proofs (Photographs/Videos/Reports/Charts/Models)



Signature of Course Incharge

Signature of HOD

Peer Review Form (Innovative Teaching and Learning activities)

5 responses

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Name

5 responses

U Shukla

Sandesh Kumar S

Madhu Kumar C A

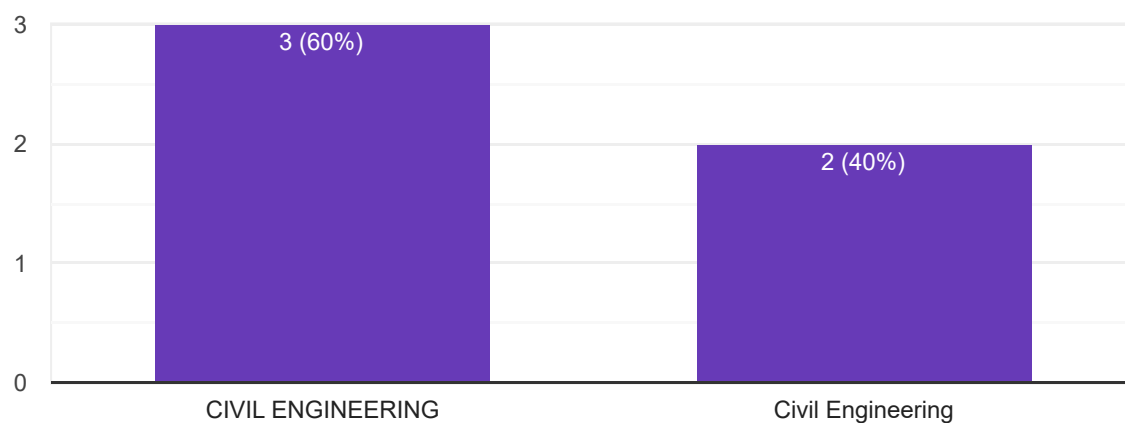
PRITHVIRAJ B R

Mohammad Imran

Department/Industry Name

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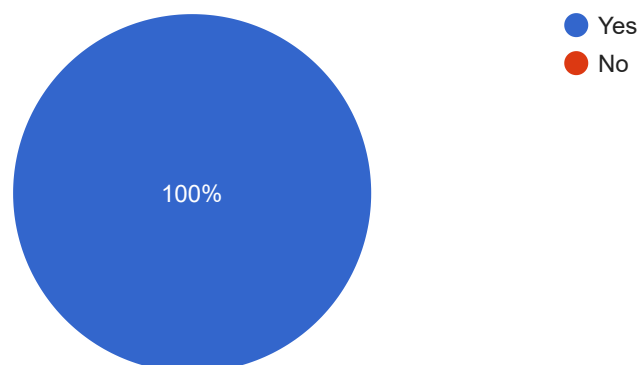
5 responses



Was the topic of the Technical Talk relevant to the teaching and learning objectives of the mapped course/subject?

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5 responses



Do you have any additional comments or suggestions for future lectures on this topic?

5 responses

Good session.

Geographical information system was really good session in present scenario.

Good session

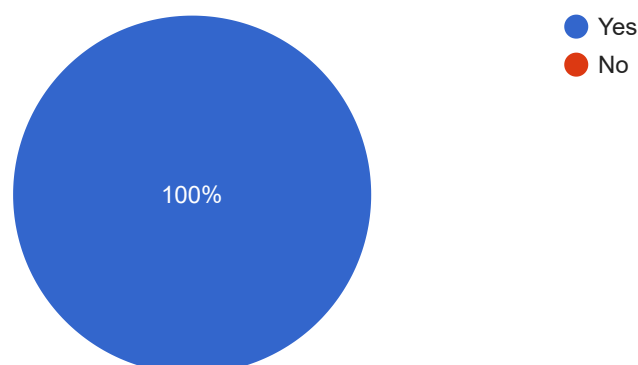
The session was eye opener and in future I'm expecting more insight topics like this.

The session was good

Would you like to adopt this type pedagogical activity in your institution or industry?

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5 responses



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