

4.GUEST LECTURE

Topic covered: Awareness of design software's application in civil engineering

Date of Conduction: 16.10.2024

Resource Person:

Mrs. Shilpa

Assistant Professor

Department of Civil Engineering.

RRIT, Chickbanavara, Bangalore

Participant's Details

Total strength of Students in III semester: 40

Total no. of students participated: 33

Staff: 02

OUTCOMES:

1. Enhanced Understanding of Modern Tools

- Exposure to the latest software used in civil engineering (e.g., STAAD.Pro, Revit, ETABS, SAP2000).
- Improved awareness of software capabilities, such as structural analysis, 3D modeling, and simulation.
- Insights into how software aids in efficient project design and management.

2. Real-World Application

- Case studies showcasing the role of design software in real-world civil engineering projects.
- Examples of how digital tools improve accuracy, reduce errors, and speed up design processes.
- Demonstration of software used in environmental analysis, urban planning, and infrastructure development.

3. Skill Development Guidance

- Overview of key software features and functionalities relevant to different subfields (e.g., structural, geotechnical, transportation).
- Tips for students on how to start learning and mastering specific design tools.
- Recommendations on certifications or additional training to enhance employability.

4. Industry Trends and Innovations

- Discussions on the role of software in sustainable design and smart cities.
- Exploration of how AI and machine learning are integrating into design tools.
- Overview of Building Information Modeling (BIM) and its importance in collaborative engineering.

5. Career Insights

- Guest speaker sharing their personal experiences and career journey.
- Insights into the growing demand for software proficiency in the job market.
- Guidance on transitioning from academic knowledge to professional application.

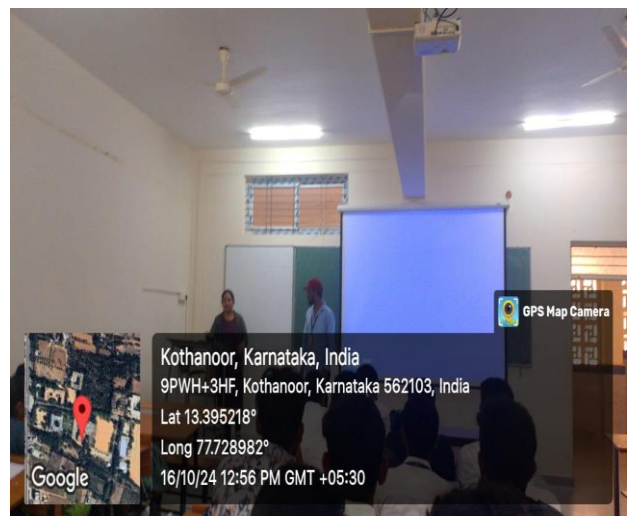
6. Motivation and Networking Opportunities

- Inspiring students to adopt and embrace technology in their engineering practices.
- Opportunity to connect with the guest lecturer for mentorship or internship advice.
- Exposure to industry contacts and potential collaborations.

To fill Curriculum Gap, the CO attained are:

Course Outcomes: At the end of this course, students are able to:	
CO1	Apply Understanding Of Simple Stresses, Strains And Compound Stresses To Analyze And Assess Various Engineering Scenarios.
CO2	Examine Engineering Problems Involving Bending Moments And Shear Forces In Different Types Of Beams Subjected To Diverse Loadings.

PHOTO GALLERY OF GUEST LECTURE





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