

NIRMAAN

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*One has to watch out for engineers –
they begin with the sewing machine and
end up with the atomic bomb.
– Marcel Pagnol.”*

HOD Message

Dear Colleagues and Students,

I am delighted to introduce the Second issue of this year's departmental newsletter. This edition features a collection of exciting updates and key developments from the past six months, reflecting the dedication and accomplishments of our entire team.

We have achieved meaningful progress across several fronts—from academic excellence to innovative initiatives—and I am proud to share these milestones with you. Through this newsletter, we aim to keep everyone informed, inspired, and connected to the ongoing activities and future goals of our department

Department Vision

To develop globally competent civil engineers who excel in academics, research and are ethically responsible for the development of the society.

Mission of the Department

- To provide quality education through faculty and state of art infrastructure.
- To identify the current problems in society pertaining to Civil Engineering disciplines and to address them effectively and efficiently.
- To inculcate the habit of research and entrepreneurship in our graduates to address current infrastructure needs of society.

HIGHLIGHTS

- Department Activities
- Student Co-Curricular & Extra-curricular Activities
- Student Achievements
- Academic Toppers

WORKSHOP

The Department of Civil Engineering and Department of Computer Science Engineering organized a one-day workshop on “Foundations of GIS: Concepts, Applications, and Hands-on Practice” on 7th May 2025 to enhance the students understanding and practical skills in Geographic Information Systems (GIS). The event aimed to bridge the gap between theoretical concepts and real-world applications in spatial data analysis.



TECHNCIAL TALK

The Department of Civil Engineering successfully organized a technical talk on the topic "**Industry Scope for Civil Engineers**", aimed at enlightening students about the diverse career opportunities and the evolving landscape of the civil engineering industry. The guest speaker, **Sri Ashok Reddy Kollur** a seasoned professional in the field with years of industry experience, delivered an insightful session that covered a wide array of sectors where civil engineers are in demand. These included



Technical Talk



The Department of Civil Engineering organized a technical talk on “Innovative Ground Improvement Techniques for Problematic Soils” on 23rd April 2025 for the 4th and 6th semester students, in association with the IGS Student Chapter. The primary objective of the session was to bridge the gap between academic concepts and industry practices in geotechnical engineering. The resource person for the talk was Dr. Vinod B R, Life Member of the Indian Geotechnical Society (IGS) and Assistant Professor, Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru

Department of Civil Engineering
In Association with
IGS Student chapter

Organises a Technical talk on

Innovative Ground Improvement Techniques for Problematic soils

Date: 23rd April 2025 | Time: 11 AM to 01 PM | Venue: Civil Seminar Hall

Resource Person
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Assistant Professor
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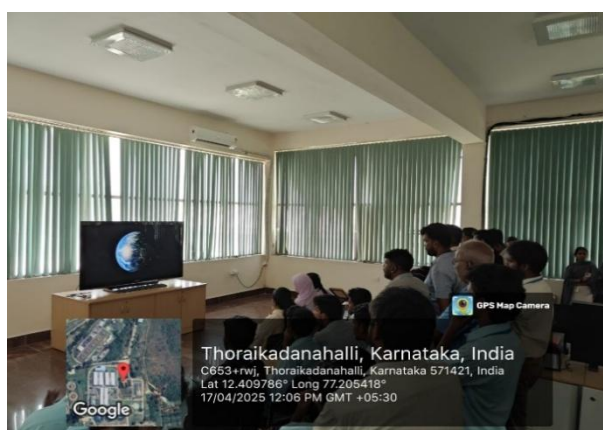
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INDUSTRIAL VISIT

Department of Civil Engineering, ATMECE Mysuru in co-ordination with Bangalore Water Supply & Sewage Board, Bengaluru had organized one day technical visit to Water Treatment Plant located in Torekadanahalli, Malayali Taluk, Mandya District for 4th & 6th Semester Students on 17th April 2025.



BWSSB supplies around 1450 million liters per day, despite a municipal demand of 1.3 billion liters. Water for the city comes from a number of sources, with 80% of it coming from the Cauvery River. Cauvery water was originally drawn from a reservoir near the village of Thorekadanahalli. To meet the increasing demand, the "Cauvery Water Supply Scheme" was undertaken by the BWSSB in Stages.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1 – Provide necessary solutions to build infrastructure for all situations through competitive plans, maps and designs with the aid of a thorough Engineering Survey and Quantity Estimation.

PSO 2 – Assess the impact of anthropogenic activities leading to environmental imbalance on land, in water & in air and provide necessary viable solutions revamping water resources and transportation for a sustainable development.

ACADEMIC TOPPERS

2nd Year

1. Lakshmi N
2. Divyashree M N

3rd Year

1. Sinchana Y B
2. Ranjitha D

4th Year

1. Syed Mihrean
2. Pavani S



Article:

AI is revolutionizing civil engineering by automating tasks, enhancing design and analysis, and improving project management and safety. Applications include predictive modeling for structural health and project outcomes, generative design for optimal structural forms, and computer vision for site monitoring and safety. AI also helps with urban planning, traffic management, automated quality control, and streamlined communication through natural language processing

Benefits of AI in Civil Engineering

Improved Efficiency:

Automation of repetitive and mundane tasks allows engineers to focus on design and complex problem-solving.

Enhanced Safety:

AI systems can identify potential hazards on construction sites and predict structural failures, leading to safer work environments and more robust infrastructure.

Better Decision-Making:

Predictive modelling provides accurate insights into project outcomes, material behaviour, and structural performance, driving informed decisions.

Sustainable Development:

AI helps in designing more sustainable solutions and optimizing resource usage