



DEPARTMENT OF CIVIL ENGINEERING
NEWS LETTER



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HARISH GOWDA N
MANISH K M



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Department Vision, Mission, PO's, PEO's & PSO's

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

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

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

Program Educational Objectives (PEOs)

PEO1 - Engaged in professional practices, such as construction, environmental, geotechnical, structural, transportation, water resource engineering by using technical, communication and management skills.

PEO 2 - Engaged in higher studies and research activities in various civil engineering fields and life time commitment to learn ever changing technologies to satisfy increasing demand of sustainable infrastructural facilities.

PEO 3 - Serve in a leadership position in any professional or community organization or local or state engineering board

PEO 4 - Registered as professional engineer or developed a strong ability leading to professional licensure being an entrepreneur.

What is social connect responsibility?

Social connects and responsibility is a process of performing one's social duties. Social connect is a process of joining society and the process of joining society and following the social rules and performing the social duties set for oneself is called responsibility.



7VGJ+8PH, Somanathapura, Karnataka 571120, India

Latitude
12.275937404483557°

Longitude
76.88166364096105°

Local 03:15:16 PM
GMT 09:45:16 AM

Altitude 556 meters
Wednesday, 28-12-2022

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Engineering Graduates will be able to:

1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2.Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7.Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9.Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Artificial Intelligence In Civil Engineering: Revolutionising The Future

Artificial Intelligence refers to developing computer systems that perform tasks that typically require human intelligence. It involves simulating intelligent behaviour in machines, enabling them to analyse data, make decisions, and learn from experience. AI encompasses many technologies, including machine learning, deep learning, natural language processing, and computer vision.

Overview of Civil Engineering and Its Challenges

Civil engineering involves designing, constructing, and maintaining infrastructure, such as buildings, bridges, roads, and water supply systems. The field faces several challenges, including complex design processes, safety concerns, cost overruns, and the need for efficient project management.

These challenges demand innovative solutions to streamline operations and enhance project outcomes.

The Intersection of AI and Civil Engineering

Integrating AI into civil engineering opens up new possibilities for addressing industry challenges. Civil engineers can optimise their decision-making processes by leveraging AI technologies, improving project efficiency, and enhancing overall infrastructure performance.

AI enables engineers to analyse vast amounts of data, identify patterns, and generate valuable insights that drive informed decision-making

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Academic toppers of the department

3rd sem toppers



Syeda Mihreen

7th sem toppers



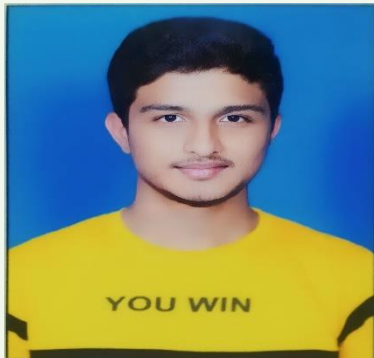
Harshitha B

7th sem toppers



Lakshmi Priya T U

3rd sem Toppers



Manish K M

5th sem toppers



Deeksitha H V

5th sem toppers



Madhushree M



What is a coastal civil engineer?

Coastal engineering is a branch of civil engineering concerned with the specific demands posed by constructing at or near the coast, as well as the development of the coast itself. Wave attack on Ilfracombe's sea walls during a storm

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ALUMNI MEET-2022



The Department of Civil Engineering organized Alumni Meet-2023 on 21st **January, 2023**. The event was scheduled at 3:00 pm. The meeting details were shared to alumnus during the registration. Around 10 alumni were present in the meetings

Catalyst – 2022



Catalyst - 2022

Mohammed Bilal & Junaid Ahmed of 7th semester bagged Second Runner-up in the Quiz competition (11-12-2022) with a cash price of Rs. 6000/-

Felicitation of Toppers by Buidler's Association of India (BAI)

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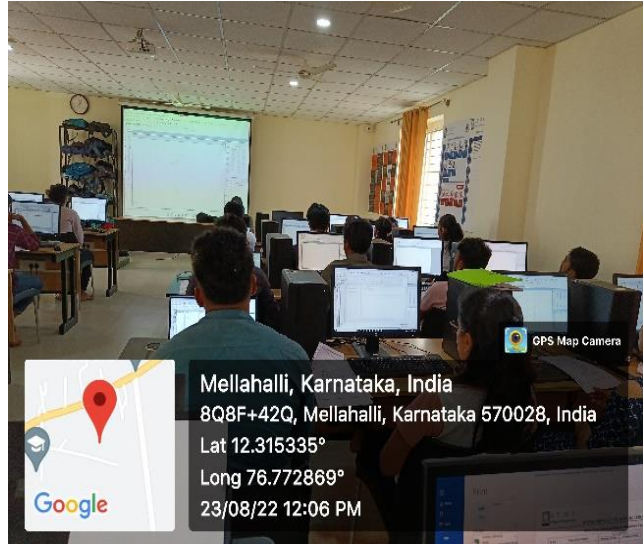
Builders association of India (BAI) Mysuru chapter felicitated toppers of Civil Engineering & CTM Department of various Engineering Colleges in and around Mysuru on 22nd December at MBCT center Mysuru. Ms. Amrutha M & Ms. Nayana M K studnets of Civil Engineering Department, ATMECE were felicitated for being the overall toppers of the department for the academic year 2021-22

Domain Specific Training on “Staad Pro”

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Department of Civil Engineering, ATMECE Mysuru had organized a Domain Specific Training Program on **Staad Pro** for 6th semester students from 23th to 26th August 2022 at ATMECE premises. The objective of this “Domain Specific Training” is to enhance the Skills set pertaining to Modelling, Analysis and Design of building systems using Civil software’s.



ARTIFICIAL INTELLIGENCE IN CIVIL ENGINEERING

