
## OUR PRIDE
## Placements 2024



### COLLEGE VISION

Creating eminent and ethical leaders through quality professional education with an emphasis on holistic excellence.

### COLLEGE MISSION

- To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of- the-art facilities.
- To equip the students with appropriate skills for a meaningful career in the global scenario.
- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

### DEPARTMENT VISION

To emerge as a Centre of Excellence in Civil Engineering through quality professional education and to create eminent leaders with values committed to the profession and society.

### DEPARTMENT MISSION

- To impart state of the art education and to provide industry exposure to students
- To create civil engineers who successfully adapt and innovate solutions for the built environment
- To inspire and transform the students to hard core professionals and academicians with ethical values.

## PROGRAMME EDUCATIONAL OBJECTIVES

The program educational objectives of B.Tech in Civil Engineering are:

1. Graduates will have concrete knowledge in the application of necessary mathematical tools, scientific theories and modern developments in civil engineering.
2. Graduates will understand the societal needs and will be committed in developing optimal solutions.
3. Graduates will pursue higher education, research or entrepreneurship apart from being employable.
4. Graduates will be competent to face challenges in civil engineering through lifelong learning process and will have high ethical values, honesty and a sense of responsibility

## PROGRAMME SPECIFIC OUTCOMES

1.Acquire the ability to plan, furnish and/or analyse designs and implement infrastructure related systems, produce related documents, drawings and reports, and quantity estimates, related to civil engineering domain.

2.Apply theoretical concepts and technical skills in developing appropriate sustainable solutions through self -learning, research and teamwork for technical problems requiring civil engineering interventions towards a better quality of life.

3.Utilise the acquired knowledge in Environmental Engineering and Transportation Engineering to conceptualise, analyse, evaluate specific problems in Water Quality Management, Sanitation, Pavement Design, Traffic Engineering and Transportation Planning and develop appropriate solutions.

## Department Activities

A session on "Building the Future with Transportation Engineering" was conducted by Mr. Midhun T., Transportation Planner at Khatib & Alami Engineering Consultants, Bangalore, on August 23, 2024.

One-Day Training Program for ITI Students: Conducted by the Civil Engineering Association (CEA) to bridge the gap between academia and industry.


A session on Building Information Modeling (BIM), Revit, and MEP was conducted by CAD Infotech


Site visit organized under the aegis of the Indian Concrete Institute (ICI) for students to gain practical insights into civil engineering applications.

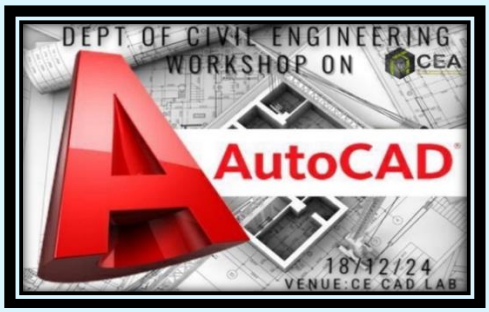

On October 1, 2024, Er. Sivaprasad Appu T. A. and Ar. Likitha Lakshmy from Ultratech Cement Limited delivered a session on "Virtual Reality in Civil Engineering."


The department celebrated World Habitat Day on October 2, 2024, by organizing a Design Innovation Exhibition and poster competition


ISTE Student Chapter and CEA, hosted an alumni talk by Ms. Dency V. John, a Completions Engineer at Balfour Beatty plc, UK.


A talk on “Road Safety Audits” was organized under the NDLI and IEI banners on December 17, 2024


Dr. Nidhi M. from NIT Puducherry delivered an enlightening lecture on "Sustainable Composites for Construction" under the auspices of the ICI Professional Club on December 17, 2024.




A workshop on AutoCAD was conducted for civil Engineering Students by CEA on 18/12/2024

### Students Achievements

Postgraduate students interned at Habog, Bangalore, and IIT Palakkad.

S6 students Krishna S., Ruby Joseph, Sreelakshmi P. S., and Asad M. S. participated in the River Youth Parliament at Carmel School for Friends of Bharathapuzha.

Ms. Jisha Dev V. P. (PG) successfully completed a 12-week NPTEL course on "Geometric Design of Highways" by IIT Roorkee.

Ms. Sandra Siby(PG) Completed a 12-week NPTEL course on "Sustainable Transportation Systems" by IIT Roorkee

Ms. Jiya Johnson, of S5 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Sahana S. of S5 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Mubeena A M of S5 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Abhith Sudheer V S of S5 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Jinachandarn of S5 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Alphred Varied of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Gokul krishna M S of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Thejus Krishna, of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Athul K R of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Anton John of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Mr. Aasad M S of S7 CE successfully completed 4-week NPTEL course on Geotechnical Engineering Laboratory by IIT Bombay

Ms. Anliya A T of S5 CE successfully completed 12-week NPTEL course on Wastewater Treatment and Recycling by IIT Kharagpur

### Sports Acivements

Ms. Aditya T J S6 CE first position in 100m race in college sports meet 2024 she also bagged a third prize in 200m race.

### Paper Presentations/Publicaions

Ms. Soja (S3 PG) presented a paper in the research symposium as a part of the 17th urban mobility India conference and expo at Gandhinagar Gujrat on 25 -27 October 2024

### Faculty Achivements

Prof. M. G. Cyriac delivered a seminar on water quality and sanitation issues in Kerala at Government Polytechnic, Chelakkara, on November 21,2024

Dr. Alwyn Varghese chaired a session at the International Conference on Materials, Structures & Environment (ICMSE 2024) and participated in a workshop on strategic planning for emerging materials and infrastructure.

Ms. Jisha Akkara presented on "Construction of Concrete Pavements" at a workshop hosted by Maharaja's Technological Institute, Thrissur on 4th September 2024

Ms. Jisha Akkara completed a 12-week NPTEL course on "Sustainable Transportation Systems" by IIT Roorkee, ranking among the top 1% and earning an FDP certificate.

Ms. Soorya M. Nair successfully completed all 8 modules of AICTE's National Initiative for Technical Teachers Training.

Ms. Soorya M. Nair achieved Stellar Lead Certification for exceptional participation in the NASA Space App Challenge.

Ms. Soorya M. Nair successfully completed the Foundation Level Innovation Ambassador (IA) Training Program under the Ministry of Education's Innovation Cell and AICTE through the Institution's Innovation Council (IIC).

Ms. Archana S successfully completed an 8-week NPTEL course on "Accreditation and Outcome-Based Learning" by IIT Kharagpur.

## Faculty Development Programs

Dr. Alwyn Varghese and Ms. Neeraja P. G. attended BIM Expo 2024 at Sobha City on 25 October 2024

Dr. Alwyn Varghese: Attended a 2-day workshop on "Strategic Plan for the Centre of Excellence in Emerging Materials and Infrastructure" held on August 30-31, 2024, at Rajiv Gandhi Institute of Technology, Kottayam.

Ms. Archana S Participated in the AICTE-recognized FDP on "Planning, Execution, and Evaluation of Project Work" conducted from September 9-13, 2024, by NITTTR Chandigarh.

Ms. Archana S attended a one-week FDP on "Recent Innovations and Upcoming Trends in Research for Civil Engineering" from October 21-25, 2024, organized by the Civil Engineering Department, Sandip Institute of Engineering and Management, Nashik.

**Programme Outcomes**

Ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Ability to Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Ability to 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.

Ability to 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.

Ability to create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

Ability to 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.

Ability to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ability to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

Ability to 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.

Ability to 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.

Ability to 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.