



CHRIST
COLLEGE OF ENGINEERING
(AUTONOMOUS)



RECEPTIVE ASSOCIATION OF CIVIL ENGINEERS

CIVIL - O - PEEDIKA

Department of Civil Engineering

A Civil Engineer's Monologue

DESIGNING TODAY
BUILDING TOMORROW
SUSTAINING FOREVER



SMART
INFRASTRUCTURE



SUSTAINABLE
SOLUTIONS



INNOVATIVE
TECHNOLOGIES



ENGINEERING
EXCELLENCE



Vol: 06

Issue: 02

JUNE 2026

DEPARTMENT OF CIVIL ENGINEERING

VISION

To be a recognized centre for moulding technically competent and socially committed Civil Engineering professionals through quality education and practical training.

MISSION

1. To impart quality education in Civil Engineering by integrating theory and practice, keeping pace with emerging technologies.
2. To encourage students to take up innovative research projects that can benefit the society.
3. To mould competent professionals upholding sustainable practices, ethical values, leadership qualities and lifelong learning capabilities.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

Graduates will be able to:

1. Apply expertise in structural, geotechnical, transportation, water resource, construction management and environmental engineering to develop sustainable solutions in the Civil Engineering domain.
2. Design civil engineering systems integrating quality, safety, ethical standards and societal requirements.
3. Use conventional and modern tools in the field of Civil Engineering to address the requirements of industry and higher education.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates will be able to:

1. Apply engineering knowledge and modern technologies in various domains of Civil Engineering to execute projects.
2. Develop an attitude for higher studies, research and innovation to foster adaptability for global professional requirements.
3. Comprehend societal needs for sustainable development and attain optimal solutions ethically through team work and lifelong learning.

ASCE STUDENT CHAPTER EXECUTIVE COMMITTEE 2026 – 2027



BREAKING NEW GROUND: CHRIST COLLEGE JOINS THE GLOBAL ASCE COMMUNITY

The Department of Civil Engineering, Christ College of Engineering (Autonomous), Irinjalakuda, proudly inaugurated the ASCE CCE Student Chapter (Under Probation) on 13 March 2026, marking a significant milestone in its journey toward global academic and professional excellence.

The chapter was inaugurated by Dr. Kishore Pankan, who delivered an insightful technical talk on the role of Building Information Modelling (BIM) in transforming modern infrastructure projects.

Guided by Faculty Advisor Ms. Shicy N. S. and Faculty Co-Advisors Mr. Godwin P. A. and Dr. Vivek K. Viswanath, the student chapter will provide a platform for technical learning, leadership, industry interaction, and international networking, empowering students to become globally competent civil engineers.

CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS), IRINJALAKUDA
DEPARTMENT OF CIVIL ENGINEERING
(NBA ACCREDITED)

ASCE STUDENT CHAPTER EX-COM 2026-27

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FACULTY CO-ADVISOR: VIVEK K VISWANATH

FACULTY ADVISOR: SHICY N S

FACULTY CO-ADVISOR: GODWIN P A

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OTHER MEMBERS: RAGADA NANDHA, ANNET VINCENT

CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS), IRINJALAKUDA
DEPARTMENT OF CIVIL ENGINEERING

ASCE CCE STUDENT CHAPTER INITIATION DAY

13 MARCH 2026
12:00 PM
CONFERENCE HALL

TECHNICAL TALK
INNOVATION INTEGRATION IMPACT
Redefining Integrated Project Delivery through BIM

CHIEF GUEST
Dr. Kishore Pankan
President - ASCE India Section
Southern Region

FACULTY COORDINATORS
SHICY N S
GODWIN P A
Dr. VIVEK K VISWANATH

ASCE
STUDENT CHAPTER - UNDER PROBATION

INDUSTRIAL COLLOBORATION



Bridging Academia and Industry: L&T EduTech Partnership

The Department of Civil Engineering at Christ College of Engineering (Autonomous), Irinjalakuda, continues to bridge the gap between academia and industry through its strategic collaboration with L&T EduTech. This partnership is aimed at equipping students with industry-relevant knowledge, advanced technical skills, and practical exposure aligned with the evolving demands of the construction and infrastructure sectors.

Through expert-led certification programmes, hands-on training, workshops, and industry-oriented learning modules, students gain exposure to emerging technologies, digital engineering tools, project management practices, and sustainable construction methodologies. The collaboration enhances employability by fostering technical competence, professional ethics, and problem-solving skills while preparing graduates to excel in a technology-driven engineering landscape. This initiative reflects the department's commitment to nurturing industry-ready civil engineers capable of contributing effectively to the nation's infrastructure development.

CIVIL STUDIO FEST

PRE PLACEMENT DRIVE



Industry Connect: Internships & Pre-Placement Drive

The Department of Civil Engineering organized Civil Studio Fest on 5 January 2026 in collaboration with Econstruct Design & Build Pvt. Ltd., providing students with a unique platform to enhance their employability and connect with industry professionals. The programme featured an Employability Test, followed by an Internship and Pre-Placement Drive, offering students valuable opportunities to demonstrate their technical knowledge and professional aptitude.

Led by Mr. Sandeep Pingale, Managing Director, and Ms. Shraddha Pingale, Joint Director, Econstruct, the initiative provided insights into industry expectations, career pathways, and emerging opportunities in the construction sector. By combining technical assessment with recruitment opportunities, Civil Studio Fest successfully bridged the gap between academic learning and professional practice, reaffirming the department's commitment to producing competent, confident, and industry-ready civil engineers.





“Concrete Dreams, Limitless Innovation” Civil Engineering at Techletics 4.0

The Department of Civil Engineering showcased its passion for innovation, creativity, and technical excellence through an exciting lineup of events at Techletics 4.0. Designed to bridge classroom learning with practical engineering applications, the events provided a dynamic platform for students to demonstrate their technical knowledge, problem-solving abilities, and teamwork. From structural design and concrete technology to Building Information Modelling (BIM), architecture, and emerging geospatial technologies, each event reflected the department's commitment to experiential learning and industry relevance. The enthusiastic participation of students, coupled with strong industry collaboration, made Techletics 4.0 a remarkable celebration of engineering excellence, inspiring future civil engineers to innovate, collaborate, and build a sustainable tomorrow.



Flagship Event of Techletics 4.0: Rack & Crack – BIM Competition

TECHLETICS 4.0



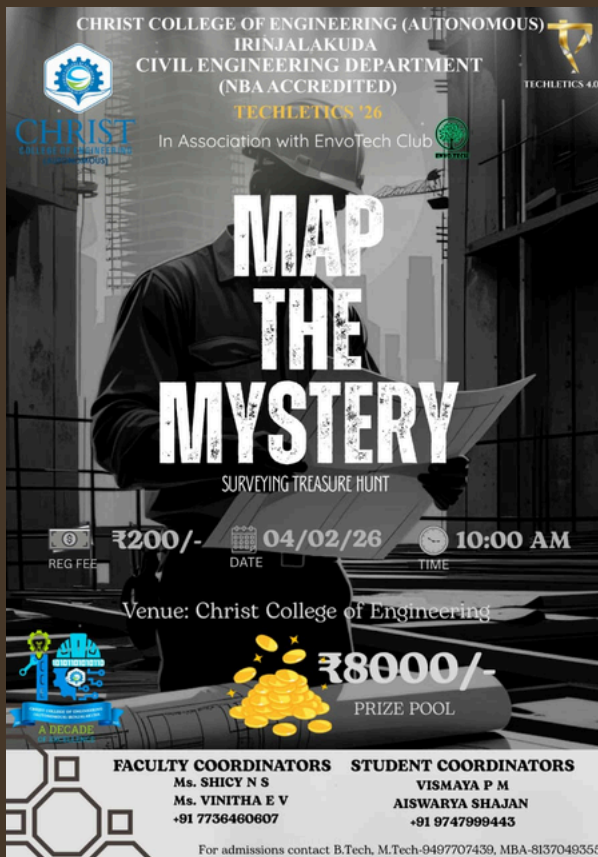
Rack & Crack, the flagship Revit-Based BIM Design & Modeling Competition of Techletics 4.0, was successfully held on 21 February 2026 at Park Inn & Suites by Radisson, Thrissur. Organized by the Department of Civil Engineering, Christ College of Engineering (Autonomous), in association with Autodesk and BIMLABS Global, the competition brought together aspiring civil engineers from various institutions to showcase their expertise in Building Information Modelling (BIM).

Following a rigorous preliminary round, the finalist teams demonstrated exceptional proficiency in digital building design, model coordination, accuracy, and collaborative problem-solving using Autodesk Revit. The competition reflected current industry practices and highlighted the growing significance of BIM in transforming the architecture, engineering, and construction (AEC) industry. With enthusiastic participation, expert evaluation, and strong industry collaboration, Rack & Crack served as an outstanding platform for nurturing digital engineering skills and preparing students for the evolving demands of modern construction.



TECHLETICS 4.0

Map the Mystery – Surveying Treasure Hunt



Blending the fundamentals of surveying with the excitement of a treasure hunt, Map the Mystery emerged as one of the most engaging events of Techletics 4.0. Organized by the Department of Civil Engineering in association with the EnvoTech Club, the competition challenged participants to navigate the campus using real surveying principles, including distance measurement, bearings, levelling, and map interpretation. Teams decoded clues, identified hidden checkpoints, and completed field tasks that demanded precision, analytical thinking, and effective collaboration. By transforming conventional surveying exercises into an interactive adventure, the event provided participants with a unique experiential learning opportunity, reinforcing practical surveying skills while highlighting the indispensable role of geospatial techniques in modern civil engineering.





TECHLETICS 4.0

TECHNICAL COMPETITIONS...



Engineering Creativity Meets Structural Excellence

As part of Techletics 4.0, the Department of Civil Engineering organized a series of technical competitions that celebrated innovation, creativity, and practical engineering skills across diverse domains of civil engineering. Events such as CIVARCH – Architectural Expo, Quake Clash – Earthquake-Resistant Building Design Competition, and Crack the Mix – Concrete Mix Design Competition provided students with an exceptional platform to transform classroom knowledge into real-world engineering solutions.

Participants showcased their expertise in architectural design, structural resilience, and concrete technology through innovative models, earthquake-resistant structures, and high-performance concrete mix designs. The competitions emphasized critical thinking, precision, teamwork, and sustainable engineering practices while encouraging students to explore creative solutions to contemporary engineering challenges. By integrating technical knowledge with hands-on learning and healthy competition, these events strengthened participants' problem-solving abilities and professional competencies, making them a significant highlight of Techletics 4.0 and reaffirming the department's commitment to nurturing innovative, industry-ready civil engineers.



DRONE SURVEY WORKSHOP



CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS)
IRINJALAKUDA
DEPARTMENT OF CIVIL ENGINEERING
(NBA ACCREDITED)
TECHLETICS '26
In Association with BAI

DRONE SURVEY
PART 1: INVITED TALK
"Drones & GIS:
Technology, Applications & Careers"

Mr. Arshif Thumbil
CEO & Founder
Dronimagination Pvt Ltd

Topics Covered

- Introduction to Drone Technology
- Industrial Applications of GIS & Drones
- Career Opportunities

22/09/26 10:00 AM - 12:00 PM CONFERENCE HALL
OPEN FOR ALL

FACULTY COORDINATORS
Dr. Sherjiah P. Yusuf Ali : 98466 55264
Dr. Krishnapriya M.G. : 98462 97741
Mrs. Bindu Rajan : 83010 72165

STUDENT COORDINATORS
Alma George : 99616 24310
Johann S. : 82903 52905

Contact for Admissions:
B.Tech, M.Tech : 9497207439; MBA : 88370 49355

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DRONE SURVEY
PART 2: HANDS-ON WORKSHOP
Brief Session on Real-time Drone Data
Acquisition

**HOW TO DO DRONE SURVEY
AUTONOMOUS FLIGHT MISSION**

Deliverables

- Orthomosaic
- DEM
- DSM DTM
- Contours
- Point Cloud
- 3D Data Acquisition

04/02/26 9:00 AM TO 12:00 PM
Registration Fee: ₹ 200 (internal) and ₹ 300 (external)
Limited seats: 20
First come, first served.

Scan to Register:

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Drone Survey – From Theory to Flight

One of the most engaging highlights of Techletics 4.0, the Drone Survey programme offered participants an immersive introduction to the rapidly evolving fields of drone technology and geospatial engineering. Conducted in collaboration with industry experts, the programme comprised an invited technical talk followed by a hands-on workshop on real-time drone data acquisition and autonomous flight missions.

Participants gained practical exposure to flight planning, aerial data collection, and the generation of professional survey deliverables such as orthomosaic maps, digital elevation models (DEM/DSM/DTM), contour maps, point clouds, and 3D terrain models. Live drone demonstrations and interactive sessions showcased the transformative role of drones in modern surveying, infrastructure development, environmental monitoring, and disaster management. By seamlessly integrating theory with practical application, the programme equipped students with valuable insights into emerging geospatial technologies and inspired them to explore innovative career opportunities in the rapidly advancing field of drone-enabled civil engineering.

INDUSTRIAL VISITS



INDUSTRIAL VISITS

Bridging Classroom Learning with Field Exposure

Muttathara Sewage Treatment Plant, State Soil Museum, Kanyakumari Glass Bridge, ReadyMix Plant

As part of its experiential learning initiative, the Department of Civil Engineering, under the guidance of Assistant Professors Mr. Godwin P. A and Ms. Shicy N. S., organized a two-day Industrial Visit to Trivandrum and Kanyakumari on 12–13 December 2025 for S4 Civil Engineering students. The visit included technical visits to the Muttathara Sewage Treatment Plant, State Soil Museum, and a Ready-Mix Concrete (RMC) Plant, providing students with practical exposure to environmental engineering, geotechnical engineering, and concrete technology. Students also visited the Kanyakumari Glass Bridge, gaining insights into modern bridge engineering and coastal infrastructure. The programme successfully bridged classroom learning with real-world engineering practices, enriching students' technical knowledge and industry perspective.



INDUSTRIAL VISITS

EVEN SEMESTER



INDUSTRIAL VISITS

Bridging Classroom Learning with Field Exposure

Muttathara Sewage Treatment Plant, Vizhinjam International Seaport, IIC Kollam

The Department of Civil Engineering organized an industrial visit for S6 B.Tech Civil Engineering students to the Muttathara Sewage Treatment Plant, Vizhinjam International Seaport, and the Indian Institute of Infrastructure and Construction (IIC), Kollam on 9th February 2026. The visit was accompanied by Mr. Godwin P. A., Ms. Shicy N. S., and Ms. Vinitha E. V.

The programme offered students valuable exposure to modern wastewater treatment systems, large-scale port infrastructure, and advanced construction technologies. Through interactions with industry experts and on-site demonstrations, students gained practical insights into sustainable engineering practices, marine infrastructure development, and contemporary construction techniques, making the visit a meaningful experiential learning opportunity.



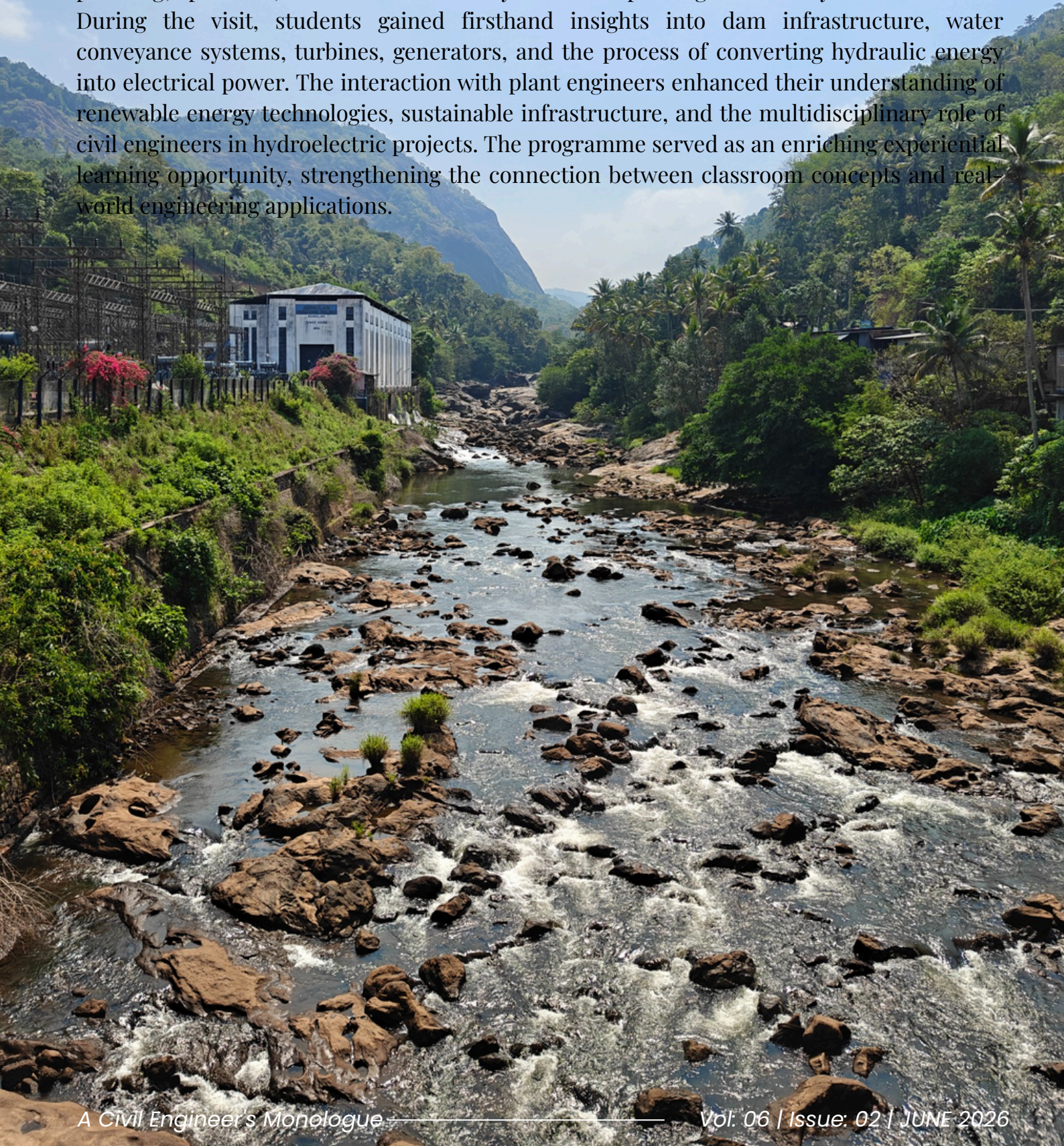
INDUSTRIAL VISITS

Bridging Classroom Learning with Field Exposure

Sengulam Hydroelectric Power Plant

The Department of Civil Engineering organized an industrial visit for S2 B.Tech Civil Engineering students to the Sengulam Hydroelectric Power Plant on 13th April 2026, accompanied by Ms. Shicy N. S. The visit provided students with valuable exposure to the planning, operation, and maintenance of hydroelectric power generation systems.

During the visit, students gained firsthand insights into dam infrastructure, water conveyance systems, turbines, generators, and the process of converting hydraulic energy into electrical power. The interaction with plant engineers enhanced their understanding of renewable energy technologies, sustainable infrastructure, and the multidisciplinary role of civil engineers in hydroelectric projects. The programme served as an enriching experiential learning opportunity, strengthening the connection between classroom concepts and real-world engineering applications.



INDUSTRIAL VISITS

Bridging Classroom Learning with Field Exposure

KOCHI METRO

The Civil Engineering students, under the Builders' Association of India (BAI) Students' Chapter, visited Kochi Metro Rail Ltd. on 10 April 2026 as part of an industrial exposure programme, accompanied by Dr. Krishnapriya M. G. and Dr. Vivek K. Viswanath.

The visit commenced with an introductory session, providing an overview of Kochi Metro Rail operations and project execution. Students then visited the casting yard, where they observed precast segment production, reinforcement detailing, prestressing operations, formwork systems, and heavy construction equipment involved in segment fabrication.

The team subsequently visited the Kochi Metro Phase II construction site, gaining first-hand exposure to rotary piling, elevated viaduct construction, pier development, and modern construction practices adopted in large-scale urban infrastructure projects.

The industrial visit provided valuable practical exposure, enabling students to bridge the gap between classroom learning and real-world engineering applications while enhancing their understanding of contemporary metro rail construction technologies.

STUDENT ACHIEVEMENTS

Bharat Nav-Nirmaan Challenge – City Finale



The Department of Civil Engineering, proudly appreciates the outstanding efforts of S6 Civil Engineering students – Sreelakshmi N, Anshunathy S. Kallingal, and Angel Rose Jomy C for representing the institution in the Bharat Nav-Nirmaan Challenge, organized by NICMAR University in association with The Times of India, with AICTE as the sponsoring body.

The team presented an innovative solution titled “Rethinking Demolition: From Waste Generation to Resource Recovery – A Preventive and Circular Framework for Construction & Demolition Waste in Indian Cities.” Their project was shortlisted for the City Finale, where they had the opportunity to present their ideas before an esteemed panel of academicians, industry experts, and professionals from leading institutions.

ENGINEX – Project Expo 2026

The Department of Civil Engineering, CHRIST College of Engineering (Autonomous), Irinjalakuda, proudly congratulates A. V. Abhimanyu, Deveena George, Goutham Santosh K. S., and Krishnapriya P. P. of S8 Civil Engineering, under the guidance of Ms. Vinitha E. V., for their commendable participation in ENGINEX – Project Expo, organized by SCMS School of Engineering and Technology.

The team presented an innovative project integrating a solar-powered energy system with a multi-stage greywater filtration unit, demonstrating a sustainable solution for water conservation and renewable energy utilization. The project showcased the effective treatment and reuse of greywater using solar energy, highlighting the students' ability to apply civil and environmental engineering principles to address real-world sustainability challenges.



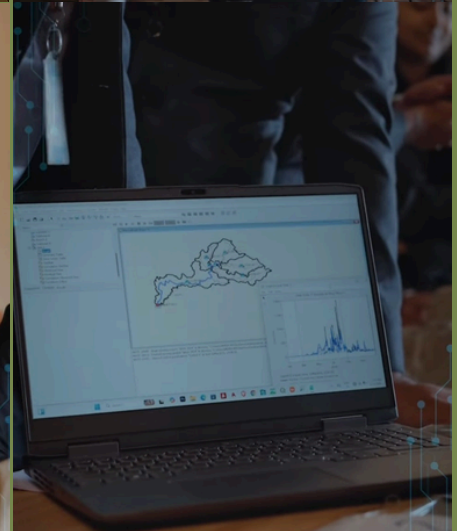
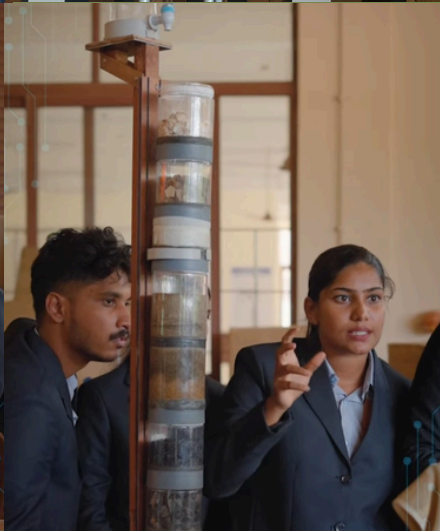
CCE

2026
INNOVISION
S8 Students' Project Expo

S8 PROJECT EXPO

The Department of Civil Engineering, Christ College of Engineering (Autonomous), Irinjalakuda, successfully organized CCE INNOVISION 2026 – S8 Students' Project Expo, providing a platform for final-year students to showcase their innovative engineering solutions.

The expo featured a diverse range of projects addressing real-world challenges in structural engineering, environmental engineering, transportation, water resources, geotechnical engineering, GIS, and sustainable infrastructure. Students demonstrated working models, software-based analyses, and research-oriented solutions before faculty members, students, and visitors.



CIVIL-O-PEEDIKA

— *A Civil Engineer's Monologue* —



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