

CIVIL ENGINEERING

News Letter AY 2025-26 ODD SEMESTER



**The road to
success is always
under
construction**



CIVIL ENGINEERING

About Us



The Department of Civil Engineering is one of CARE's oldest and finest branches, started in 2009 at the CARE School of Engineering. The department offers a Bachelor's degree programme of four year's duration. Our graduate education programs combine several fields of inquiry, such as structural engineering, environmental engineering, transportation, and soil and foundation mechanisms. To support these programmes, the Department has a team of highly qualified and professionally experienced faculty members with specializations in multiple areas, including Structural Engineering, Surveying, Construction Engineering, Water Resources, Environmental Engineering, Transportation, Geo-Technology, Remote Sensing and GIS. The enterprising faculty members of the department regularly conduct specialized short courses, lectures, and industrial visits, which are the need of the hour in the industrial point of view, and help students, understand Civil Engineering to its core.

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SHRI. B. PRATIVE CHEND

In your life, everyone has a Dream about what you should do and what you should become. Let me quote Steve Jobs here

“You’ve got to find what you like. Your work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work. And the only way to do great work is to like what you do”.

Listen to your inner voice, choose a career you want to pursue, and do not let others’ voices drown your own. Then choose a Course that will help you achieve your dream. Wishing you great luck when you take this first **step in achieving your dream.**



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DR. S. SHANTHI

The Newsletter is a means of connecting students, faculty, and other stakeholders. I am pleased to share a note for the newsletter of the Department of Civil Engineering.

This newsletter highlights the talents, innovations, and research interests of our students and faculty. It brings out the academic, technical, and co-curricular achievements of the department in various domains of civil engineering, contributing to continuous learning and professional development.



The newsletter also serves as a knowledge repository and a platform for sharing information and best practices. I congratulate the Civil Engineering team for their commendable efforts and for bringing out this newsletter and I wish the department great success in all its future endeavours

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ER.B.SUDHA PRIYA

It gives me immense pleasure to present this newsletter of the Department of Civil Engineering, CARE College of Engineering. The department is committed to imparting quality technical education and nurturing competent civil engineers who can meet the challenges of the construction industry and contribute meaningfully to society.

This newsletter showcases the academic achievements, technical activities, industry interactions, research initiatives, and co-curricular accomplishments of our students and faculty. It serves as a platform to share knowledge, innovative ideas, and best practices, while reflecting the continuous efforts of the department toward excellence in teaching, learning, and research.

I appreciate the dedicated efforts of the faculty members and students in bringing out this newsletter. I wish all our students great success in their academic and professional pursuits and look forward to the department achieving greater milestones in the years to come.

Best wishes.



CIVIL ENGINEERING

VISION

- To foster excellence in Civil Engineering through Innovation, Sustainable development and Modern technologies

MISSION

- Maintain a culture that nurtures research aptitude, environmental awareness, lifelong learning, and industry interaction.
- To imbibe innovative thinking, instill leadership quality and entrepreneurial aspiration.
- To equip students with a sharp competitive spirit and high ethical values.

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SURVEY CAMP



The Department of Civil Engineering organized a **Survey Camp** at **Kodaikanal** on **18.07.2025** to provide students with hands-on field experience in surveying techniques. Students practiced leveling, contouring, and instrument handling in hilly terrain under faculty guidance. The camp enhanced practical skills, teamwork, and real-time problem-solving abilities.



Students actively participated in contouring survey activities under the effective guidance of faculty members. The fieldwork helped students understand terrain features and elevation differences in real conditions. The activity strengthened their practical surveying skills and teamwork abilities.

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Industry Visit to ARN Concrete



The Department of Civil Engineering organized an industry visit to **ARN Concrete on 09.08.2025, Trichy** to provide students with practical exposure to ready-mix concrete production. During the visit, students observed batching, mixing, transportation, and quality control procedures followed at the plant. Industry professionals explained mix design practices, material testing methods, and safety measures adopted in real-time construction projects. The visit helped Students Bridge the gap between theory and industrial applications and enhanced their understanding of modern construction practices.

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Site Visit to Periyar Power Station

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The **Department of Civil Engineering** conducted a **site visit to Periyar Power Station, Kumili** on **14.08.2025** as part of academic enrichment and industrial exposure for the students. During the visit, the participants were briefed on the **design, construction, and operational aspects** of the hydroelectric power station.

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CESA Inauguration



CESA INAUGURAL 2025
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QJ97+WGW, Thayanur 620009



The **Civil Engineering Students' Association (CESA)** of the **Department of Civil Engineering** was formally inaugurated on **20-08-2026** at **FULCRUM** in the presence of faculty members and students. The event was graced by **ER. T.HEMACHANDRAN, MD, BIM INSTITUTE OF DIGITAL CONSTRUCTION TRICHY** who delivered an insightful session on **Building Information Modeling (BIM)**. The Chief Guest emphasized the importance of BIM in modern civil engineering practices. The interactive session encouraged active student participation and provided valuable industry exposure.

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Engineers Day Celebration



The **Department of Civil Engineering** celebrated **Engineer's Day** on **15-09-2025** to commemorate the birth anniversary of **Bharat Ratna Sir M. Visvesvaraya**, acknowledging the contributions of engineers to nation building and sustainable development. As part of the celebration, A**Guest Lecture on "Solid and Hazardous Waste Management"** was organized to enhance students' awareness of environmental engineering practices and regulatory frameworks. The programme was graced by **Er. HariPriya, Assistant Engineer, Tamil Nadu Pollution Control Board (TNPCB), Trichy**, as the **Chief Guest**.

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Induction Program on Integrating Sustainability MEP



The **Department of Civil Engineering**, conducted an **Induction Program on “Integrating Sustainability – MEP Engineering as a Career Frontier”** on **26.09.2025**. The session was handled by **Er. S. Deepak Jain**, BIM Consultant, and **Er.S. Mohamed Sajid**, Senior MEP Design Engineer from Unique MEP Engineering Pvt. Ltd., Trichy. The resource persons shared insights on sustainable practices, MEP design, and emerging career opportunities in the construction industry. The program was informative and helped students understand the importance of sustainability in modern engineering practices.



Site Visit - Auditorium Construction

The **Department of Civil Engineering** organized a site visit on **20.09.2025** to the **CARE College**



of Engineering auditorium construction site to provide students with hands-on exposure to **Post-Tensioning Practices**. The visit aimed to connect **theoretical learning with practical applications**, particularly in **reinforced concrete (RCC) construction and scaffolding techniques**.



During the visit, field engineers explained the detailed aspects of the construction process, **including: Reinforcement detailing for columns, beams, and slabs, highlighting bar diameters, spacing, and proper placement techniques**. Scaffolding and formwork practices, **including steel and bamboo scaffolding setup, shoring, and alignment to ensure safety and structural stability**. Quality control measures, **such as concrete mix testing, cube testing, and inspection of bar placement and cover before casting**. Site supervision and safety protocols, **demonstrating how engineers manage construction operations efficiently**.

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Industry Interaction Program on Surveying and Leveling



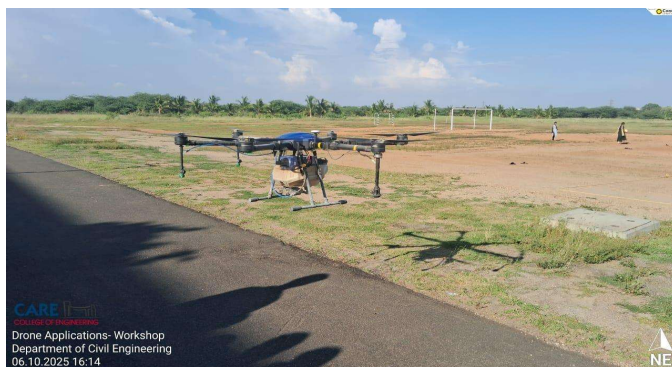
The **Department of Civil Engineering** organized an **Industry Interaction Program on Surveying and Leveling** on **03.10.2025 & 04.10.2025**. The session was delivered by **Er. S. Ravi, Director and Senior Trainer, Diagonal Education Institute, Trichy**, as the **resource person**.



The lecture focused on **modern surveying techniques in construction**, covering topics such as **Total Station, Leveling Instruments, GPS-based surveying, and practical field applications**. Students actively participated, gaining **hands-on knowledge and industry insights** into contemporary surveying practices used in civil engineering projects.

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NEXT GEN CIVIL ENGINEERING with DRONE Application



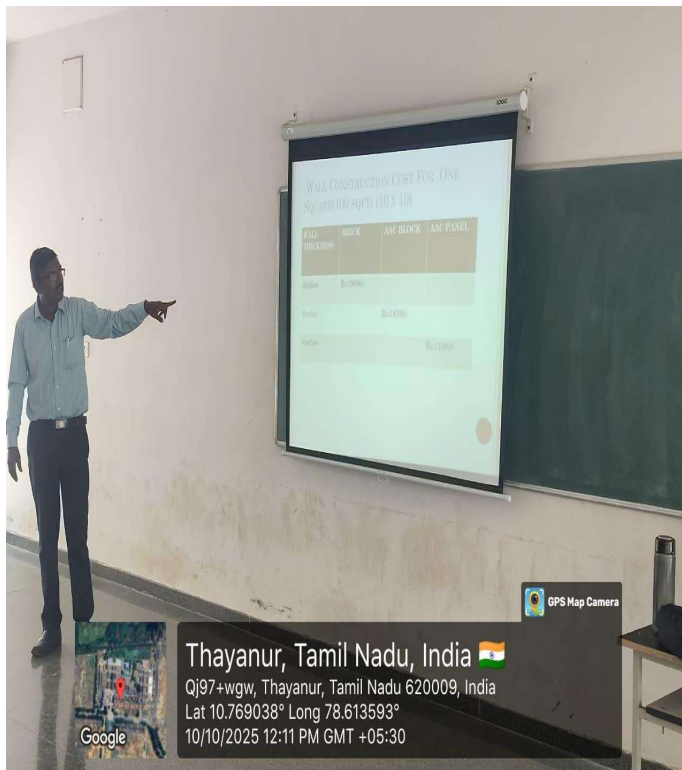
The **Department of Civil Engineering** organized a session on **"Next Gen Civil Engineering with Drone Applications"** on **06-10-2025**, with **Mr. K.S. Sivamani, Aerial Wings**, as the **resource person**. The session highlighted the **use of drones in surveying, construction monitoring, mapping, and inspection**, providing students with insights into modern technologies shaping the future of civil engineering. Students actively participated and explored the **practical applications of drones in real-world projects**.

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Guest lecture on "Advanced Techniques in Recent Building Construction"



The **Department of Civil Engineering** organized a **guest lecture** on **"Advanced Techniques in Recent Building Construction"** on **10.10.2025**. The session was delivered by **Er. R.S. Saravanakumar, Proprietor, Navin Construction, Pudukottai**, as the resource person.



During the lecture, the resource person discussed **modern construction technologies, innovative building materials, and advanced construction practices**. Students gained insights into **real-world applications, construction management, and emerging trends in the building industry**. The interactive session provided an opportunity for students to **clarify doubts and learn practical aspects of contemporary construction techniques**.

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SIEVE Competition – Department of Civil Engineering



The Department of Civil Engineering successfully organized a **SIEVE Competition on 12.10.2025** to enhance students' practical understanding of sieve analysis. The event witnessed active participation from students, showcasing their technical skills and accuracy. The competition encouraged hands-on learning and healthy competition among participants. Winners were awarded **cash prizes Rs 1,000** in recognition of their performance.



Winner Batch List

1. ManovaM (III Year / Civil Engineering)
2. Manikandan N (III Year / Civil Engineering)
3. Kathiresan S K (II Year / Civil Engineering)
4. Subhashini M (II Year / Civil Engineering)