

**MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
CIVIL ENGINEERING DEPARTMENT**



**CESA
ANNUAL REPORT
2025-26**

Mar Baselios College of Engineering & Technology

Department of Civil Engineering



Civil Engineering Students Association

TEAM (2025-26)

SL. NO	EXECUTIVE COMMITTEE			
	POST	Name of Student	Class	Sem
1	President	Theressa Ann Thomas	CE2	S7
2	Vice President	Aarya S Rajesh	CE2	S7
3	General Secretary	A M Annliya	CE1	S5
4	Joint Secretary	Merin S Raj	CE2	S5
5	Joint Secretary	Feba M Paul	CE2	S3
6	Treasurer	Diya R Malavika	CE1	S7
7	Member	Krishnan A	CE1	S5
8	Member	Sreya A R	CE2	S3
SUB COMMITTEES				
	Event Committee			
9	Head	Mekha Sara	CE2	S5
10	Member	Jithin Joy	CE1	S5
11	Member	Kalyani S Pradeep	CE2	S3
	Publicity & Media Committee			
12	Head	Mayukha B S	CE2	S7
13	Member	Vivek T Vijayan	CE1	S5
14	Member	Aadinaath	CE1	S5
15	Member	Adarsh S L	CE1	S5
	Finance & Sponsorship Committee			
16	Head	Neetha P	CE2	S7
17	Member	Mohammed Rihan S	CE1	S5
18	Member	Nandana S P	CE2	S5
19	Member	Amitha Krishna A M	CE1	S5

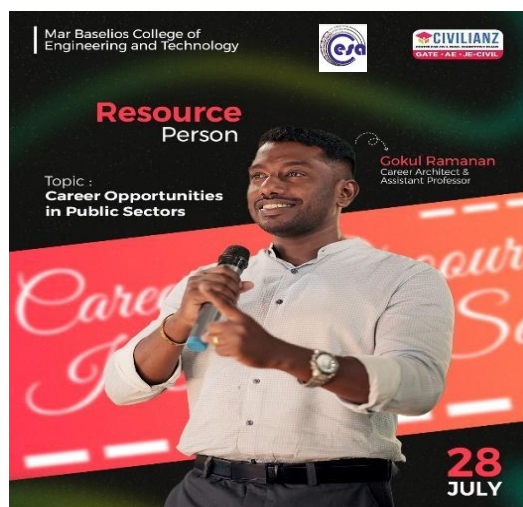
SL. NO	CESA Volunteers		
	NAME OF STUDENT	CLASS	SEMESTER
1	S SREEHARI	CE 2	S7
2	AARAV A	CE 2	S7
3	KEERTHANA D S	CE1	S5
4	DEEPIKA S S	CE1	S5
5	DEVANANDA S J	CE1	S5
6	ARCHA SAJEEV	CE1	S5
7	HAFIZ MOHAMMED	CE1	S5
8	SHARON SHANKAR	CE1	S5
9	ABHIRAM S R	CE1	S5
10	ABHISHEK S S	CE1	S5
11	MIDHUN	CE1	S5
12	AARON CHRIS SEBASTIAN	CE1	S5
13	ASHNA	CE1	S5
14	ANUPRIYA	CE1	S5
15	DHANUSH	CE1	S5
16	BHAVAN	CE1	S5
17	PREENU	CE1	S5
18	ATHIRA S	CE1	S5
19	I AYMAN	CE1	S5
20	ANTONY BENSON	CE1	S3
21	VISMAYA D N	CE1	S3
22	SHREYA S NAIR	CE2	S3
23	DEVIKA D V	CE2	S3
24	LEKSHMI U B	CE2	S3
25	NASRIN NIZAR	CE2	S3
26	SREYA A R	CE2	S3
27	TELNA SHALI	CE2	S3
28	ASHWIN P R	CE2	S3
29	GAYATHRI B S	CE2	S3
30	KALYANI S PRADEEP	CE2	S3
31	NIYA D	CE2	S3
32	RAJILA R V	CE2	S3
33	ANJANA S S	CE2	S3
34	NANDANA S	CE2	S3

35	BIVIN NADH V B	CE2	S3
36	ABEL MATHEW	CE2	S3
37	ROHITH	CE2	S3
38	GOKUL	CE2	S3
39	AADIL MUHAMMED	CE2	S3
40	RAJAGOPAL G	CE2	S3
41	VISHJOWNS VINOD	CE2	S3
42	JOEL JOE	CE2	S3
43	BHAGYANATH H	CE2	S3
44	A M R APARNA	CE2	S3



CAREER GUIDANCE TALK

The **Civil Engineering Students Association (CESA)** of the **Department of Civil Engineering** organized an informative session on “**Career Opportunities in the Public Sector**” for seventh-semester students on **28th July 2025**. The event was held in collaboration with **Civilianz**, a reputed coaching institute specializing in PSC and other government sector examinations. The session was led by **Mr. Gokul Ramanan**, Architect and Assistant Professor, who served as the resource person. He offered valuable insights into various career opportunities available in the public sector for civil engineers, along with effective preparation strategies and guidance on cracking competitive exams. The session witnessed enthusiastic participation from **57 students**, who actively engaged in discussions and clarified their doubts during the interactive segment.



Mr. Gokul Ramanan addressing seventh-semester Civil Engineering students during the Career Guidance Session on Public Sector Opportunities, organized by CESA in collaboration with Civilianz on 28th July 2025.

HIGHER STUDIES OPTIONS FOR BUDDING CIVIL ENGINEERS

The Civil Engineering Students Association (CESA), Department of Civil Engineering, conducted a session on “Higher Studies Options for Budding Civil Engineers” for seventh-semester students on 29th July 2025, in association with ACE Hyderabad. A total of 65 students attended the session.



Higher Studies Options for Budding Civil Engineers

EXPERT TALK ON INTELLECTUAL PROPERTY RIGHTS

The Civil Engineering Students Association (CESA) of the Department of Civil Engineering organized an expert session titled “*Safeguarding Innovation through Intellectual Property Rights*” on **31st July 2025**, from **3:30 PM to 4:30 PM**, for the third-semester Civil Engineering students. The session was delivered by **Ms. Reeya Susan John**, Assistant Professor, Mar Gregorios College of Law, who provided valuable insights into the importance of protecting creative and innovative ideas through legal means. The event was coordinated by **Ms. Divya Prasad S. P.** and **Ms. Radhika P.**



ENGINEERS DAY

As part of Engineers Day celebrations on **September 15, 2025**, the Civil Engineering Student Association (CESA) organized an **Expert Talk**, followed by a **Quiz Competition** and **Poster Presentation Competition** for all civil engineering students.

The Expert Talk was delivered by **Er. Anwar Hussain**, an experienced civil engineer who had served in KHWS, CPWD, Kerala Irrigation Department, and LSGD, and retired as **Deputy Chief Engineer in 2018**. He also served as **Director of Solid Waste Management, Kerala Suchitwa Mission**, and is currently working as **Deputy CEO of Kerala State LIFE Mission**. His talk focused on the topic “**Retrofitting of Concrete Structures**” and was specifically conducted for **S5 CE1 and S5 CE2 students**, involving a total of **62 students**. The session was highly informative and appreciated by the participants.

Following the expert talk, a **Built-to-Quiz Competition** was conducted, engaging students in a healthy competitive atmosphere to test their civil engineering knowledge. Additionally, a **Poster Presentation Competition** was organized with the theme “**Deep Tech & Engineering Excellence: Driving India's Techade**”, open to all classes of the Civil Engineering Department. A total of **6 groups participated** in the poster competition.

Prizes for the quiz and poster competitions were distributed during the event. The prizes were generously **sponsored by Civilians**, encouraging further participation and enthusiasm among the students. The event was successful in promoting technical awareness and a spirit of innovation among the students while celebrating the contributions of engineers in nation-building.





Expert Talk Session on “Retrofitting of Concrete Structures” by Er. Anwar Hussain during Engineers Day 2025

BUILT TO QUIZ 2025

As part of the **Engineers Day 2025** celebrations, a **Built-to-Quiz Programme** was conducted in **two rounds**. The **first round** took place on **September 12, 2025**, where **30 teams**, each consisting of **2 students**, participated. From this round, **4 teams qualified for the final round**, which was held on **September 15, 2025**. The competition was conducted in a highly engaging manner, encouraging technical knowledge and teamwork among students. Prizes were distributed to the winning teams, generously **sponsored by Civilians**.





Prize Distribution to the First and Second Place Teams in the Built-to-Quiz Competition – Engineers Day 2025

POSTER COMPETITION

The **Civil Engineering Students Association (CESA)** of **Mar Baselios College of Engineering & Technology, Thiruvananthapuram**, organized a **Technical Poster-Making Competition** as part of the **Indian Engineers' Day Celebrations on 15th September 2025**.

Indian Engineers' Day – 15 September 2025

Theme:

“Deep Tech & Engineering Excellence: Driving India’s Techade”

Competition Details:

- **Participation:** Each class submitted **one A2-size digital print poster**.
- **Display:** Posters were presented and displayed on **15 September 2025** during the Engineers' Day event.
- **Content Focus:** The posters were required to creatively and technically represent the theme, with a particular focus on **innovations and applications in Civil Engineering**.

A total of **6 posters** were presented by various class groups. The entries were evaluated by a panel of **experts**, based on creativity, technical content, relevance to the theme, and presentation quality.

After thorough evaluation, **prizes were distributed to the teams securing First and Second Place**. The competition successfully motivated students to explore and showcase innovative ideas, enhancing their technical understanding and creative expression in alignment with the Engineers' Day theme.





Winners of the Technical Poster Presentation Competition – Engineers Day 2025

EXPERT TALK

The Department of Civil Engineering, Mar Baselios College of Engineering and Technology (Autonomous), in association with CESA and ISTE, organized an Expert Talk on the topic **“Industrial Safety Regulations and Best Practices in Workplaces”** for S7 students on Monday, 29th September 2025. The session was handled by **Mr. Vipin P. M, Inspector of Factories and Boilers, Department of Factories and Boilers, Kollam**. The event aimed to create awareness among civil engineering students about the importance of industrial safety, relevant regulations, and effective practices to ensure safe working environments in various industrial and construction sectors.

Mr. Vipin elaborated on the key provisions of industrial safety laws and the role of safety officers in maintaining compliance with factory and labour safety standards. He also discussed real-life case studies highlighting common workplace hazards, preventive measures, and the need for continuous safety audits and employee training.

The interactive session provided valuable insights into the responsibilities of engineers in ensuring workplace safety and sustainability. 70 Students actively participated by raising questions related to on-site safety management and practical implementation of safety norms.



SITE VISIT REPORT

As part of the S5 DRCS (Design of Reinforced Concrete Structures) course, CESA (Civil Engineering Students Association), Department of Civil Engineering organized a site visit to St. Mary's Malankara Major Seminary on 15/09/2025 to observe the ongoing extension work of a single-storeyed building. The main focus of the visit was to study the reinforcement details of the two-way slab system used in the construction. A total of 62 students from S5 CE1 and CE2 attended the visit, accompanied by faculty members Bindu Biju and Dr. Archana J. Satheesh. During the visit, students observed the proper placement, spacing, and anchorage of reinforcement bars as per design specifications. The visit provided an opportunity to understand practical implementation, site challenges, and quality control measures, helping students connect theoretical knowledge with real-world construction practices.



Site Visit: Piling Works at Kariyavattom

As part of CESA and IGS activities, a site visit was organized on 6 February 2026 to Kariyavattom, in which 50 students from S6 Civil Engineering (CE1 and CE2) participated. During the visit, students observed an ongoing piling operation. Since the site was waterlogged and had limited available space, a pile foundation was adopted to safely transfer structural loads to deeper, competent soil strata, as a well foundation was not feasible under the given conditions. A total of 18 piles were planned, and the 17th pile was under construction at the time of the visit. The process included borehole drilling, placement of the reinforcement cage to a depth of about 5 m, and concreting using a tremie pipe with ready-mix concrete to ensure proper bottom-up placement and prevent segregation. Bentonite slurry was used to stabilize the borehole sides, control groundwater ingress, and maintain the borehole shape until concreting was completed. The visit was accompanied by Dr. Lekshmi Chandran M and Diana Alice Sugunan, and the site activities were coordinated by the team from Aham Builders.



Field Visit Report on Pile Foundation Construction under Waterlogged Conditions



Site Visit on Pile Foundation Construction in a Waterlogged Area

Expert Talk on Green Building Rating Systems and Sustainable Construction

As part of the S8 elective course *Sustainable Construction*, the Department of Civil Engineering under CESA organized expert sessions on Green Building Rating Systems and sustainable construction practices on 24/02/2026 and 25/02/2026. The sessions were attended by 26 students, and an additional session with 67 students focused on energy regulations and renewable integration in buildings. The sessions were handled by Mr. Ahammed F, Building Energy Efficiency Expert and MEP Consultant, who delivered lectures on the Energy Conservation Building Code (ECBC–BEE), National Building Code provisions, the concept of Net Zero Buildings, and the use of BIPV and other renewable energy systems in buildings. Ms. Ashiqua Sulthana, Sustainable Consultant, discussed IGBC guidelines, the LEED rating system, TERI–GRIHA rating framework, and green building case studies covering residential, institutional, and commercial projects. The program was coordinated by Dr. Jisha S V, Associate Professor, Department of Civil Engineering, MBCET and provided valuable practical exposure to students on sustainable and energy-efficient construction practices. The program successfully bridged the gap between academic learning and professional practice in sustainable construction. The session enhanced awareness about energy-efficient design, renewable integration, and green building certification systems, encouraging students to adopt sustainable practices in their future civil engineering careers.



Expert sessions on Green Building Rating Systems and Sustainable Construction



Expert sessions on Energy Conservation Building Code (ECBC–BEE), National Building Code provisions

SITE VISIT REPORT

As part of CESA activities under the Sustainable Construction elective course for S8 Civil Engineering students, a site visit was organized on 28 February 2026 to facilities associated with COSTFORD TRIVANDRUM and NIRMITI KENDRA TRIVANDRUM. The visit was coordinated by Dr. Jisha S V, Associate Professor, Department of Civil Engineering with the participation of 16 students. During the visit, students examined sustainable construction practices implemented by COSTFORD, where most building materials were eco-friendly, reused and locally sourced. Walls were constructed using mud and burnt bricks, and bamboo was widely used for handrails, wall components, and slab elements. Reclaimed tiles were reused in construction, and jali work was incorporated to improve natural ventilation, passive cooling, and diffused daylight within buildings.



At NIRMITI Kendra, Thiruvananthapuram, students were introduced to both conventional and innovative sustainable construction techniques. Demonstrations included stabilized mud block masonry, brick pillar construction, and prefabricated systems using stabilized AAC blocks. Natural finishing methods employing muddy water, cow dung, and organic additives for wall coating were also observed. The exposure also highlighted emerging 3D construction concepts alongside traditional practices. The visit helped students understand how locally available materials, prefabrication, and passive design strategies can be integrated in sustainable construction. Overall, the CESA-organized site visit offered valuable hands-on exposure to eco-friendly, cost-effective, and resource-

efficient building technologies implemented by COSTFORD and NIRMITI, effectively complementing classroom learning and strengthening awareness of low-impact construction practices aligned with sustainable development goals.



Crochet Workshop – “Let’s Crochet & Chill”

The **Department of Civil Engineering**, in association with the **Civil Engineering Students Association (CESA)** and the **Women’s Studies Unit (WSU)**, organized a **Crochet Workshop** titled “Let’s Crochet & Chill” as part of the **International Women’s Day** celebration – “Give to Gain.” The workshop was conducted on **7th March 2026** from **10:00 AM to 12:00 PM** at the **Civil Engineering Department, G Block**.

The session was handled by **Dr. Manju Dominic, Head of the Department of Civil Engineering**. The objective of the workshop was to introduce participants to the art of crochet and to promote creativity, relaxation, and stress relief through a simple craft activity.

During the workshop, participants were introduced to the **basic concepts of crochet**, including yarn handling, hook usage, and fundamental stitches. Demonstrations were provided for both **beginner and intermediate levels**, enabling participants to learn step-by-step techniques for creating crochet patterns. The session was interactive, and participants actively engaged in practicing the stitches and creating small crochet pieces. A total of **five participants** attended the workshop. Materials required for the activity were provided to the participants as part of the registration fee. The session helped participants experience a creative and relaxing activity while also encouraging skill development and mindfulness. Overall, the workshop was **informative, engaging, and enjoyable**, providing a refreshing break from routine academic activities and successfully promoting creativity and well-being among the participants.





Department of Civil Engineering

Drop reels, get hooked on to yarn

Crochet

is your chill pill – slow, creative, and mood-boosting.

Venue: G Block
Date: Saturday, 7th March 2026
Time 10.00-12.00
Fees: Rs 500 + Rs 170 (for materials)
Levels: Beginner
Intermediate

Open to all students, members of faculty and staff



ONLY 10 SEATS AVAILABLE

