

NEWSLETTER

2023-2024

ODD



DR. I. JESSY MOL
HEAD, DEPARTMENT OF CIVIL
ENGINEERING

HOD'S DESK

The Civil Engineering Department at St. Xavier's Catholic College of Engineering was established in 1999, just one year after the college was founded, to meet the growing demand for skilled builders in India and abroad. The department is equipped with modern facilities, advanced instruments, equipment, and software to impart technical knowledge of international standards. To nurture responsible and competent professionals, it offers a postgraduate program in M.E. Structural Engineering (18 seats, introduced in 2013). The department has been recognized by Anna University as a Ph.D. research center since 2017 and has been accredited by the NBA under Tier-II for the period 2021–2022 to 2023–2024.

To encourage student talent, the Resplendent Engineers Association for Civil Heritage (REACH) regularly organizes guest lectures, seminars, workshops, symposiums, and conferences. The department's strengths include qualified and experienced faculty, well-equipped laboratories, and modern workshops. Students also have access to licensed software like AutoCAD, Primavera, MS Project, STAAD.Pro, ANSYS, and REVIT to work on real-time projects. In addition, the department's consultancy cell provides material testing services for concrete, bricks, soil, water, bitumen, aggregates, and steel reinforcement, and also takes up projects from government and private organizations.



HISTORY OF REACH ASSOCIATION

2023-2024

ODD



MS. D. SMILINE SHINY
ASSISTANT PROFESSOR
FACULTY IN-CHARGE

REACH

The association REACH was established on February 16, 2002. Since its inception, it has organized numerous national and international conferences, symposiums, and seminars. The association actively encourages students to enhance their technical knowledge, particularly in the areas of modern and eco-friendly sustainable construction. Its primary objective is to create a platform where students can acquire new engineering skills and remain updated with the latest trends in the construction industry through expert lectures and seminars. REACH also fosters leadership qualities, a sense of responsibility, and social values among students, with a strong emphasis on sustainable development.

In addition, the association promotes innovative ideas, advanced technical tools, and socially beneficial products. It regularly conducts seminars, paper presentations, workshops, competitions, and cultural programs to help students improve their professional and personal skills holistically.



STAFF EDITORS

MS. D. SMILINE SHINY /ASSISTANT PROFESSOR
MS. R. SUMITHRA JAYA /ASSISTANT PROFESSOR

STUDENT EDITORS

HELEENA V J- IV BE.CIVIL ENGINEERING
SHIBA SIHABU- III CIVIL ENGINEERING
ANTO BRIGHT- II CIVIL ENGINEERING
ASHLIN BRIGHT- I ME STRUCTURAL ENGINEERING

Vision&Mission

2023-2024

Odd



VISION

To be a Department of eminence in producing Civil Engineers that serve people with technical expertise, groundbreaking innovations and productive entrepreneurial initiatives with high ethical standards and commitment in green and sustainable development.

MISSION

- M1. To provide quality teaching in order to transform students into Civil Engineers with academic excellence and technical expertise with outstanding faculty and excellent infrastructure.
- M2. To develop leadership qualities and managerial skills of the students to become productive entrepreneurs.
- M3. To create awareness on recent technologies through innovative research and industry – institute collaboration.
- M4. To inculcate human values within the students and inspire them to create a sustainable ecofriendly society.



PROGRAM EDUCATIONAL OBJECTIVES (PEO)

2023-2024

Odd

PEO1: Graduates will become professionals with social responsibility adapting emerging technical innovations to safeguard sustainable environment.

PEO2: Graduates will be proficient in coordinating multivocational projects to achieve professional excellence.

PEO3: Graduates will engage in continuous learning and research to arrive at high level intelligent and imaginative solutions to problems.

PEO4: Graduates will apply their advanced knowledge and skill to make sufficient contributions to industry practices and innovation driven Civil activities.

PEO5: Graduates will collaborate across disciplines applying their expertise involving themselves in various inter disciplinary research projects to address multifaceted challenges of the society.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: Demonstrate knowledge in core areas of civil engineering such as planning, designing, estimating and carrying out construction.

PSO2: Apply the concept of sustainable development in the context of environment, economic and social requirements.

PSO3: Develop research activities, consultancy services with critical thinking, professional development and lifelong learning.

REACH

2023-2024

Odd



Faculty Advisor: Ms. D Smiline Shiny, AP/
Civil
Secretary: Daniesh Frady J A, Final Civil
Joint Secretary: Shiba Sihabu, Third Civil
Treasurer: Heleena V. J, Final Civil

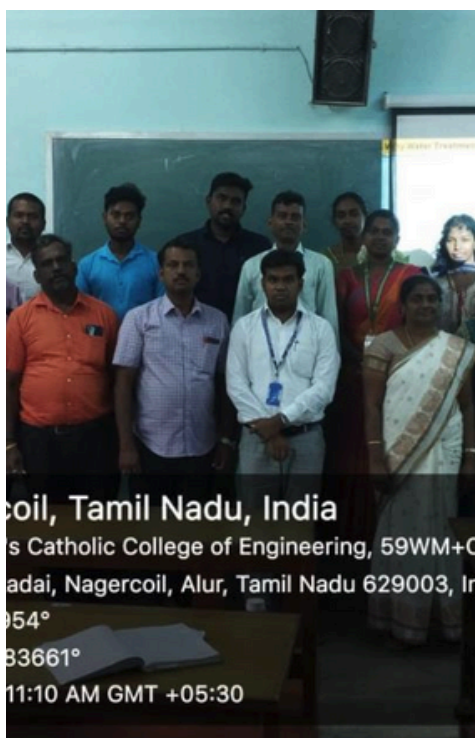
ASSOCIATION OFFICE BEARERS

Mohamed Rizwan M(Final Year)
John Vincelin J(Final Year)
Abina V(Final Year)
Monisha M J(Third Year)
Anto Libin E(Third Year)
Sinejan P(Third Year)
Jeenu R P(Second Year)
Saniya R(Second Year)
Jayan J (Second Year)

VARIOUS EVENTS CONDUCTED BY REACH ASSOCIATION

2023-2024

Odd



FDP ON INTEGRATED BUILDING SERVICES

On 24/07/2023, under the REACH Association Program, a Faculty Development Program (FDP) on Integrated Building Services was organized as an enrichment activity to equip faculty members with advanced knowledge and skills related to integrated building services. The session was handled by Dr. Shankar, Trainer, L&T Edu Tech, with 17 participants attending.

FDP ON CONCRETE BUILDING SYSTEM DESIGN

On 24/07/2023, under the REACH Association Program, a Faculty Development Program (FDP) on Concrete Building System Design was conducted as an enrichment activity to equip faculty members with advanced knowledge and skills related to concrete building system design. The sessions were handled by Ms. Neeraja and Ms. Adlin N. Kumar, Trainers from L&T Edu Tech, Chennai, with a total of 24 participants attending.



VARIOUS EVENTS CONDUCTED BY REACH ASSOCIATION

2023-2024

Odd



SEMINAR ON VIRTUAL REALITY ON BIM

On 12/08/2023, under the REACH Association Program, a Seminar on Virtual Reality on BIM was organized as an enrichment activity to provide basic knowledge on BIM and its various applications. The session was delivered by Mr. Jebastalin C, Trainer, CADD DESK, Nagercoil, with a total of 27 participants, including 3 faculty members and 24 students.

ONE DAY WORKSHOP ON 2D PLANNING AND COST ESTIMATE

On 12/08/2023, under the REACH Association, a One-Day Workshop on 2D Planning and Cost Estimate was conducted as an enrichment activity to help students enhance their technical skills with proper applications. The session was handled by Er. Praveen Kumar, Corporate Trainer, BIM CADD, with a total of 27 participants, including 3 faculty members and 24 students.



VARIOUS EVENTS CONDUCTED BY REACH ASSOCIATION

2023-2024

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SEMINAR ON CAREER GUIDANCE IN SOFT SKILL

On 13/09/2023, under the REACH Association, a Seminar on Career Guidance in Soft Skills was organized as an enrichment activity to help participants gain knowledge on the application of software in the construction industry. The session was delivered by Er. Sujin, Grace Constructions, Nagercoil, with a total of 45 participants, including 2 faculty members and 43 students.

SEMINAR ON CAREER OPPORTUNITIES IN CIVIL

On 16/09/2023, under the REACH Professional Program, a Seminar on Career Opportunities in Civil Engineering was conducted to create awareness among students about career prospects in the civil industry. The session was delivered by Er. A. Surendra Venkatramanan, Proprietor, Plytree Interiors and Planners, and Alumni, with 120 participants (19 faculty and 104 students).



Alur, Tamil Nadu, India

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Nagercoil, Tamil Nadu 629003, India

Lat 8.196319°

Long 77.383262°

16/09/23 01:51 PM GMT +05:30

VARIOUS EVENTS CONDUCTED BY REACH ASSOCIATION

2023-2024

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REACH INAUGURATION

On 16/09/2023, under the Association Program, the REACH Inauguration was held to introduce the office bearers of the association. The event was graced by Er. A. Surendra Venkatramanan, Proprietor, Plytree Interiors and Planners, and Alumni, with 120 participants (19 faculty and 104 students).

SEMINAR ON ARCHAEOLOGY

On 11/10/2023 and 12/10/2023 under the REACH Professional Program, a Seminar on Archaeology cum field visit was organized to provide students with knowledge on inscriptions and iconography used in ancient times. The session was delivered by Mr. Chenthee Natarajan, Managing Director, S. Anand Subramoniam, and Mr. N. Nagarajan, Chembavalan Research B, with 65 participants (5 faculty and 55 students).



INDUSTRIAL VISIT

2023-2024

Odd



VISIT TO BUILD EXPO

The REACH Association organized a visit to Build Expo on 4th August 2023 in collaboration with the Builder's Association of India, Kanyakumari Centre. A total of 59 participants, including 4 faculty members and 55 students, actively took part in the event.

INDUSTRIAL VISIT

The REACH Association organized an industrial visit on 4th October 2023 to Oasis Grace Engineering Projects. The program provided value-added learning by giving students an insight into the real working environment of the industry. A total of 29 participants, including 2 faculty members and 27 students, actively took part in the visit.



INDUSTRIAL VISIT

2023-2024

Odd



INDUSTRIAL VISIT

The REACH Association organized a local visit to Pechiparai and Mathur on 27th September 2023 to enrich students by exposing them to fieldwork practices. A total of 92 participants, including 7 faculty members and 85 students, took part in the visit.

EDUCATIONAL TOUR

The REACH Association organized an educational tour on 6th January 2024 to enrich students with exposure to contours, society, culture, architectural designs of various places, and the history of India. A total of 28 participants, including 3 faculty members and 25 students, actively joined the tour.



GRADUATION DAY

2023-2024

Odd



THE BUSINESS LEAD

The Civil Engineering Department Graduation Day on 24th August 2024, celebrating graduates with motivating addresses, degree distribution, and recognition of their professional journey in Engineering.

STUDENT ACIEVEMENT

INDUSTRY INTERNSHIP

2023-2024

Odd

Sl. No.	Name of the student	Name of the company	Duration of the training
1	Jerbin Raj S J	J.B. Builders	4 weeks
2	Abilash C G	J.B. Builders	4 weeks
3	Abina V	Ideal Construction	14 days
4	Ajay Chen R	J.B. Builders	4 weeks
5	Anto Bilton P	Sam Construction	4 weeks
6	Biju Mon C	P.W.D.	15 days
7	Binoy Samuel S	Sam Construction	4 weeks
8	Daniesh Frady J A	P.W.D.	15 days
9	Deepak Krishna S	J.B. Builders	4 weeks
10	Divin Siju K	Sam Construction	4 weeks
11	Edison Guruz N	Sam Construction	4 weeks
12	Heleena V J	Ideal Construction	14 days

STUDENT ACIEVEMENT

INDUSTRY INTERNSHIP

2023-2024

Odd

Sl. No.	Name of the student	Name of the company	Duration of the training
13	Jebin J	P.W.D.	15 days
14	Jeremy Rojer J	MJ Constructions	4 weeks
15	Joel Josepath	P.W.D.	15 days
16	Lejo Vibin X	MJ Constructions	4 weeks
17	Mohamed Adil	Pentarch Tech & Builders	14 days
18	Mohamed Rizwan M	Pentarch Tech & Builders	14 days
19	Niranj Vincent A	A.J. Construction	14 days
20	Noble Mathew Oommen	Page One Architects	24 days
21	Rijo Judes R B	Ideal Construction	14 Days
22	Sabari Hirish T	J.B. Builders	4 weeks
23	Shergin S	P.W.D.	15 days
24	Vijithra M	Ideal Constructions	14 days

STUDENT ACIEVEMENT

INDUSTRY INTERNSHIP

2023-2024

Odd

Sl. No.	Name of the student	Name of the company	Duration of the training
25	Wellington B	MJ Constructions	4 weeks
26	Ajin L	J.B. Builders	4 weeks
27	Ebinesh Prince A	Sam Construction	4 weeks
28	Franklin Xavier V	Vargees Constructions	14 days
29	Hevinjoel G	AJ Constructions	4 weeks
30	402031 Maneesha P J	St. Antony's Construction	4 weeks
31	Manish Varshan T A	Ideal Constructions	14 days
32	Reshaul Ratheesh F S	Grand Win Design & Cons	14 days
33	Rojin Raj S	Vargees Constructions	14 days
34	Abikrid C	J.B. Builders	4 weeks
35	Premnath C G	J.B. Builders	4 weeks
36	Rajlin Gisnu R	Sam Constructions	4 weeks

STUDENT ACIEVEMENT

INDUSTRY INTERNSHIP

2023-2024

Odd

Sl. No.	Name of the student	Name of the company	Duration of the training
37	Rajlin Gisnu R	Sam Constructions	4 weeks
38	Jerin Felix A	Sam Constructions	4 weeks
39	Ajan J	J.B. Builders	4 weeks
40	John Vincelin J	Ideal Constructions	14 days

STAFF ACHIEVEMENT

AWARDS/RECOGNITION

2023-2024

Odd

Sl.No	Staff Name	Type	Details	Sponsor
1	Dr. JERLIN REGIN J.	Recognition	Reviewer	Materials Sciences and Applications (MSA)
2	Dr. JERLIN REGIN J.	Award	Reviewer	Techno Press- Advances in concrete construction
3	Dr. I. JESSY MOL	Recognition	Guest Lecture	Bethlehem College of Engineering
4	Dr. I. JESSY MOL	Recognition	Guest Lecture	IEI, Thirunelveli Chapter
5	S. SHIELA BALANTA	Award	Question paper setting	St Joseph's College, Chennai
6	S. SHIELA BALANTA	Award	Question Paper setting	St Josrph College Chennai
7	M. GALESH	Recognition	Trainer	This training is offered by the Spoken Tutorial
8	INIGO VALAN. M	Recognition	Question paper setting	Nehru institute of technology

STAFF ACHIEVEMENT

JOURNAL PUBLICATION

2023-2024

Odd

1.Maheshwaran J , Jerlin Regin J and Ilanthalir A “Influence of Chemical and Thermal Treatment Methods on the Mechanical and Micro - Structural Characteristics of Coconut Shell based Concrete” Global Nest Journal, International , 1790-7632, 2023,Vol 25, pp 1-9 .

2.Jeyaprakash Maheswaran, Maheswaran Chellapandian, Nakarajan Arunachalam and Manikandan Naga “Thermal and durability characteristics of optimized green concrete developed using slag powder and pond ash” Materials Research Express ,IOP Publishing Ltd ,International, 2053-1591,2023.

3.J. Maheswaran J. JerlinRegin A. Ilanthalir “Influence of Chemical and Thermal Treatment methods on the mechanical & micro structural characteristics of coconut shell based concrete” ,Global Nest Journal,2023.

4. J. Maheswaran M. Chellapandian N. Arunachalam“Thermal and mechanical properties of a sustainable bio-flax fiber based light-weight aggregate concrete” Magazine of Concrete Research , 0024-9831,International ,2023.

STAFF ACHIEVEMENT

ONLINE COURSE COMPLETED

2023-2024

Odd

1	Dr. JERLIN REGIN J.	Teaching and learning in general program	NPTEL	Scheduled	28 Oct 2023	Elite
2	Dr. I. JESSY MOL	Teaching And Learning In General Programs: TALG	NPTEL	Scheduled	24 Sept 2023	Elite
3	D. SMILINE SHINY	Teaching and Learning in General Programs	NPTEL	Scheduled	24 Sept 2023	Pass
4	FLORA DANI C M	Teaching And Learning In General Programs: TALG	NPTEL	Scheduled	24 Sept 2023	Elite

STAFF ACHIEVEMENT

CONSULTANCY DETAILS

2023-2024

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Sl. No.	Project Title	Funding Agency	Amount (Rs.)
1	Material Testing (Aggregate, Steel, Bitumen, Cement)	Government	46,200
		Private	2,100
2	Soil testing	Government	48,000
3	Water testing	Government	900
		Private	3,450
4	Specimen testing (Cube, Paver block, Brick, Beam)	Government	29,380
		Private	4,560
5	Completion Certificate	Government	44,000
		Private	2,000
6	Design	Government	23,000
		Private	2,000
7	Wet mix	Government	25,840
8	Mix design	Government	4,000
Total			Rs. 2,45,430