



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)

Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NAAC
Anna University Recognized Research Institute
Recognized under section 2(f) & 12(B) of UGC Act, 1956
UG Programs(ECE, EEE, Mech, Civil, CSE & IT),
MBA & MCA Programs Permanently Affiliated

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER REACH



2025-2026(Odd semester)

HISTORY OF DEPARTMENT

2025-2026 ODD Semester



Dr. I. Jessy Mol
Head/ Department of
Civil Engineering

The Civil Engineering department of St. Xavier's Catholic College of Engineering was started in 1999, the very next year of the college inception to cater to the growing needs of builders for our nation and to the world at large. The department has the state of art facilities equipped with latest instruments, equipment, and software for imparting technical knowledge on par with international requirements. To develop responsible savvy professional techno-managers, the department also offers a PG program in M.E.Structural Engineering with an intake of 18 students since 2013 and M.E.Construction Engineering and Management with an intake of 18 students since 2007. The Department is recognized by Anna University for Ph.D level research since 2017. The Department of Civil Engineering is NBA accredited under tier-II category for the validity period from 2021-2022 to 2023-2024. In order to exhibit the talents of the Department Students, Resplendent Engineers Association for Civil Heritage (REACH) is actively organizing special lectures, power seminars, workshops, symposiums and conferences. Experienced and well-qualified faculty members, well-equipped laboratories and workshops are the strengths of this department. Advanced licensed software includes Autocad, Primavera, MS-project, StaadPro, ANSYS, and REVIT are available to students to take up real time projects. The consultancy cell of this Department is active in testing the quality of materials like concrete, brick, soil, water, bitumen, aggregates and steel reinforcement. The department also undertakes assignment with government and private sector.

HISTORY OF REACH ASSOCIATION

2025-2026 ODD Semester



Ms. R. Sumithra Jaya
Faculty In-Charge
(REACH)

The Association REACH was started on February 16, 2002. Through our association we have conducted many national and international level conference, and symposiums and seminars. The association motivates the students to develop technically on “modern and sustainable eco-friendly construction”. The aim and ambitions of our associations is, to create an environment where the students can develop new engineering skills. To make the students familiar with the latest happenings and trends in construction industry with lectures and seminars. To enable leadership and responsibilities and social practices for achieving sustainable development for the students. To promote innovative ideas, technical tools and products for the betterment of society. To conduct seminars, papers presentation, workshops, competitions and cultural activities to improve the special skills among students.

REACH 2024-2025

2025-2026 ODD Semester

STAFF EDITORS

Ms. R. Sumithra Jaya
AP/Civil

STUDENT EDITORS

Anto Bright J- Final Civil
Dev Prasana Rajy - Third Civil
Gokul R -Second civil
Muthu krishnan M - II M.E
Structural Engineering

Vision & Mission



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)

2025-2026 ODD Semester

PEO1: Graduates will become socially responsible professionals who adapt to emerging technological innovations to promote and safeguard a sustainable environment.

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

PEO3: Graduates will engage in continuous learning and research to develop innovative and intelligent solutions to complex problems.

PEO4: Graduates will apply their advanced knowledge and skills to make significant contributions to industry practices and innovation-driven Civil Engineering activities.

PEO5: Graduates will collaborate across disciplines and apply their expertise in interdisciplinary research projects to address multifaceted challenges of society.

RESPLENDENT ENGINEERS ASSOCIATION FOR CIVIL HERITAGE

2025-2026 ODD Semester



REACH 2025-2026

**FACULTY ADVISOR: MS. R SUMITHRA JAYA,
AP/CIVIL**

**SECRETARY: J ANTO BRIGHT, FINAL CIVIL
JOINT SECRETARY: SHREE DARSHA, FINAL
CIVIL**

**TREASURER: DEV PRASANNA RAJU, THIRD
YEAR CIVIL**

ASSOCIATION OFFICE BEARERS LIST

Final Year	Third Year	Second Year
S. R. Prasanth Shana Jein J S V Milton Christopher	M. P. Abinaya Mol Mohamed Rashid J. NebaMo	K. Balakrishnan K. Karisco R.V. Vibisha

REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

Workshop on Innovative Teaching Methodologies

On 28 July 2025, the REACH Association organized a workshop on the integration of Artificial Intelligence technologies. The session was led by Dr. R. Jemila Rose and witnessed the active participation of 14 faculty members of the Civil Engineering Department. The workshop provided valuable insights into innovative AI-driven educational practices and inspired educators to adopt modern technological approaches in teaching and learning.



Seminar on Sustainable Management of Water

On 6 August 2025, the Tamil Nadu Science Forum (TNSF) and the REACH Association jointly organized a one-day seminar on “Sustainable Management of Water” as part of the Professional Enrichment programme to create awareness and motivate participants towards sustainable water and sanitation practices. The sessions were handled by Dr. I. Jessymol and Dr. Leenagrace, with the active participation of 110 school teachers.



REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

Technical seminar

On 13 August 2025, the REACH Association organized a technical seminar as part of the Professional Enrichment programme to equip students with sustainable design techniques using AI technology. The session was handled by Er. Sujin of Grace Constructions, Nagercoil, with the active participation of 44 attendees, including 4 faculty members and 40 students.



value added course

On 8 September 2025, the REACH Association organized a value-added course aimed at enhancing the employability and technical competence of final-year Civil Engineering students through practical exposure to industry-relevant software tools. The training was conducted by Er. P. C. Aneesh and Er. R. Anil from Cube & Lines Architectural Studio/Constructions, with the active participation of 3 faculty members and 34 students.



REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

Inauguration of REACH

On 11 September 2025, the REACH Association organized the inauguration of REACH as part of the Professional Enrichment programme to foster student engagement in sustainable Civil Engineering practices. The session was led by Dr. S. Sherlin Prem Nishold, with the active participation of 129 members, including 19 faculty and 110 students.



INDUSTRIAL VISIT

On 13 September 2025, the REACH Association, Department of Civil Engineering, organized an industrial visit to a cement factory, providing students with exposure to sustainable construction practices, eco-friendly products, and smart technologies implemented in the industry. The visit was attended by 62 participants, including 4 faculty members and 58 students.



REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

Engineers Day Seminar

On 15 September 2025, the REACH Association organized an Engineers' Day seminar as part of the Professional Enrichment programme to highlight career opportunities in sustainable and resilient civil engineering and to enhance student awareness of green practices and future-ready technologies. The session was handled by Er. Sujin of Grace Constructions, Nagercoil, with the active participation of 47 members, including 4 faculty and 43 students.



Build Expo'25

On 19 September 2025, the REACH Association organized “Build Expo’25” as part of the Professional Enrichment programme to enhance students’ technical skills and understanding of sustainable practices, eco-friendly materials, and environmentally responsible applications in Civil Engineering. The event witnessed the active participation of 86 members, including 4 faculty and 82 students.



REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

Industrial Visit to National Highway Construction

On 25 September 2025, the REACH Association organized an industrial visit to a National Highway construction site as part of the Professional Enrichment programme to provide students with practical exposure to highway construction and enhance their understanding of field practices, construction techniques, and quality control in road projects. The visit witnessed the active participation of 45 members, including 3 faculty and 42 students.



Workshop

On 29 September 2025, the REACH Association organized a workshop on Entrepreneurial Skills for Civil Engineering as part of the Professional Enrichment programme to create awareness about entrepreneurship opportunities in the civil engineering field and inspire students to become job creators. The session was handled by Mr. M. Raja Selvan and Mr. S. Justus Rajan from the Department of Civil Engineering, SXCCE, with the active participation of 44 members, including 4 faculty and 40 students.



REACH ASSOCIATION PROGRAMS

2025-2026 ODD Semester

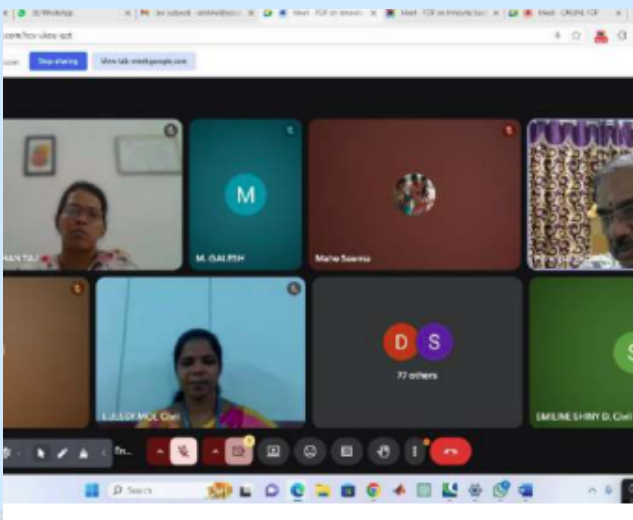
Motivation Talk

On 30 September 2025, the REACH Association organized a motivational talk on “Innovate, Inspire, and Ignite” as part of the Professional Enrichment programme to develop new ideas, build self-confidence, and encourage students to work hard for success in their studies and future careers. The session was delivered by Ms. M. Michael Rani, Skilled Assistant, Department of Civil Engineering, SXCCE, with the active participation of 32 members, including 2 faculty and 30 students.



FDP

The REACH Association, Department of Civil Engineering, organized a Six-Day Online Faculty Development Programme on “Innovative Sustainable Solutions for Environmental Challenges” from 17 to 22 November 2025. The programme witnessed 282 registrations from faculty, researchers, industry experts, and academicians across India.



STUDENT ACHIEVEMENT

2025-2026 ODD Semester

Sl. No	Name of the Student	Title of the Paper/Project	Organizer	Prize
1	R V Vibisha	Bridge The Gap	Rohini College Of Engineering	First
2	Jenisha S	Bridge The Gap	Rohini College Of Engineering	First
3	Neha J K	Bridge The Gap	Rohini College Of Engineering	First
4	Ashsis Leu J F	Bridge The Gap	Rohini College Of Engineering	Second
5	Anton R	Bridge The Gap	Rohini College Of Engineering	Second
6	Jebin J	Bridge The Gap	Rohini College Of Engineering	Second
7	Jaison Beno S	Bridge The Gap	Rohini College Of Engineering	Second
8	Ashsis Leu J F	Quiz Competition	Rohini College Of Engineering	First
9	R V Vibisha	Technical Quiz	Narayanaguru College Of Engineering	First
10	Shalina Joffi M	Paper Presentation	Narayanaguru College Of Engineering	Second
11	Jenisha S	Paper Presentation	Narayanaguru College Of Engineering	Second
12	J Anto Bright	Cad Conquest	Thiagarajar College Of Engineering, Madurai	Second

STAFF ACHIEVEMENT

2025-2026 ODD Semester

Awards/Recognition

Sl.No	Staff Name	Type	Details	Sponsor
1	Dr. JERLIN REGIN J.	Award	Reviewer	KSCE Journal of Civil Engineering
2	Dr. I. JESSY MOL	Recognition	Reviewer	Journal of Experimental Agriculture
3	Dr. I. JESSY MOL	Recognition	Reviewer	Asian Journal of Geographical Research
4	Dr. S. FRANK STEPHEN	Award	Question Paper Setting	Annapoorana Engineering College
5	Dr. S. FRANK STEPHEN	Recognition	Question Paper Setting	Annapoorana Engineering College
6	Dr. S. FRANK STEPHEN	Recognition	Question Paper Setting	Annapoorana Engineering College
7	Dr. S. FRANK STEPHEN	Award	Question Paper Setting	Gnanamani College of Technology
8	JEYA SUREN RAJ.J	Recognition	Question paper setter	panimalar engg college
9	L PORCIA	Recognition	Question Paper Setter	SXCCE
10	D. SMILINE SHINY	Recognition	Question paper setter	Syed Ammal Engineering College,
11	D. SMILINE SHINY	Recognition	Question paper setter	Arunai Engineering College
12	D. SMILINE SHINY	Recognition	Question paper setter	Dhanalakshmi Srinivasan Engineering College

STAFF ACHIEVEMENT

2025-2026 ODD Semester

Online Course Completed

Sl.No	Staff Name	Course	Portal	Created By	Certificate Level
1	M.MICHAEL RANI	Design Thinking - A primer	NPTEL	IIT, Madras	Participation
2	Dr. I. JESSY MOL	Design Thinking - A Primer	NPTEL	IIT Madras	Elite
3	S. SHIELA BALANTA	Design Thinking - A Primer	NPTEL	IIT Madras	Elite
4	L PORCIA	Design Thinking - A Primer	NPTEL	IIT Madras	Elite
5	D. SMILINE SHINY	Design Thinking - A Primer	NPTEL	IIT Madras	Pass

STAFF ACHIEVEMENT

2025-2026 ODD Semester

Journal publications

1. Jerlin Regin, Vincent, and Illanthalir (2025). "Enhancement of the Durability Properties of Lightweight Coconut Shell Concrete by Incorporating Mineral Admixtures." *Cureus Journal of Engineering*, pp. 1–20. (First Author, St. Xavier's Catholic College of Engineering, International Journal, indexed in Google Scholar.)
2. R. Jinisha and J. Jerlin Regin (2025). "Bioremediation of Coal Washery Effluent Using Dual Chamber Microbial Fuel Cell for Effective Pollutant Removal and Sustainable Power Generation." *Desalination and Water Treatment*, Elsevier, Vol. 323, Article 101347. <https://doi.org/10.1016/j.dwt.2025.101347>. (Second Author, St. Xavier's Catholic College of Engineering, International Journal, indexed in Web of Science.)
3. R. Jinisha and J. Jerlin Regin (2025). "Wastewater Treatment via Carbon Veil-Coated Dual-Chamber MFC for Energy Generation: Effects on Sulphate Reduction, Organic Degradation and Microbial Communities." *Desalination and Water Treatment*, Elsevier, Vol. 324. <https://doi.org/10.1016/j.dwt.2025.101441>. (Second Author, Pollution Control Laboratory, St. Xavier's Catholic College of Engineering, International Journal, indexed in Web of Science.)
4. D. Justin Jose, C. Helen Sulochana, and I. Jessy Mol (2025). "Sustainable Water Quality Prediction Using Adaptive Spider Monkey Optimization with Bi-LSTM." *Earth Science Informatics*, Springer, Vol. 18. <https://doi.org/10.1007/s12145-025-01978-8>. (Third Author, St. Xavier's Catholic College of Engineering, Chunkankadai, International Journal, SCI Indexed, interdisciplinary collaboration involving AI, ECE, and Civil Engineering.)

CONSULTANCY AND TESTING SERVICES

2025-2026 ODD Semester

Consultancy Details 2025 – 2026

Sl.No.	Project Title	Funding Agency	Amount (Rs.)
1	Material Testing (Aggregate, Steel, Bitumen, PVC pipe, Cement, Sand)	Government	117,726
		Private	4,000
2	Soil testing	Government	41,350
		Private	11,840
3	Specimen testing (Cube, Paver block, Brick, Beam)	Government	45,221
		Private	4,216
4	Completion Certificate	Government	94,480
		Private	25,960
5	Design	Government	36,220
6	Wet mix	Government	15,488
7	Mix design	Government	10,060
Total			Rs 4,06,561