

## ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in 2006 with a vision to provide quality education and promote innovation in the field of civil engineering. The department currently offers a four-year B.Tech. program in Civil Engineering with an intake of 60 students, and a postgraduate M.Tech. program in Geotechnical Engineering with an intake of 18 students.

Students are provided with excellent computing and internet facilities, along with access to well-equipped laboratories that support both academic learning and research activities. The department has received project funding from renowned agencies such as CERD, KTU, and NATPAC for both B.Tech. and M.Tech. level projects.

In recognition of its commitment to academic excellence and continuous improvement, the B.Tech. program of the department received accreditation from the National Board of Accreditation (NBA) in 2021.

## VISION & MISSION

### Vision:

To be a globally recognized center of excellence in Civil Engineering education, fostering competent, research-driven, and socially responsible professionals.

### Mission:

- To provide quality technical education in Civil Engineering that lays the foundation for a successful and impactful career.
- To equip students with advanced skills and knowledge to address challenges across all domains of Civil Engineering.
- To nurture professionals with strong ethical values committed to serving the public and contributing positively to society.

## ORGANIZING TEAM

### PATRON :

- Rev.Dr.A.R.JOHN  
Manager,MEC

### ADVISORY CHAIR :

- Dr.ABDUL NIZAR M.  
Principal,MEC
- Dr.A.SAMSON  
Dean,MEC
- Rev.Fr.JIM CARVIN ROACH  
Bursar,MEC
- Dr.RANI V.  
HOD,DEPARTMENT OF CE,MEC
- Dr.NARAYANAN S.  
DEPARTMENT OF CE,MEC

### COORDINATORS:

- Dr. RESHMY D.S.  
Associate Professor, Department of CE  
9495823722
- Prof.SANOBIYA B.S.  
Assistant Professor, Department of CE  
8943873877

### ORGANIZING COMMITTEE :

- Ms.TARA LEANDER Asst.Professor,CE
- Ms.GREESHMA T. Asst.Professor,CE
- Ms.RENJU C.M. Asst.Professor,CE
- Ms.ASHA DAVOOD Asst.Professor,CE
- Ms.ASWATHY SASIKUMAR Asst.Professor,CE
- Ms.DEEPTHI DENNISON Asst.Professor,CE
- Ms.REVATHY V.S. Asst.Professor,CE
- Mr.KANNAN K. Asst.Professor,CE
- Ms.KARUNA P. Asst.Professor,CE
- Ms.MAGI N.S. Asst.Professor,CE



MARIAN  
ENGINEERING COLLEGE



## AICTE TRAINING & LEARNING ACADEMY Faculty Development Programme on

## SUSTAINABLE URBAN WASTE MANAGEMENT: COMBINING CENTRALISED, DECENTRALISED SYSTEMS WITH AI INNOVATION

24<sup>th</sup> - 29<sup>th</sup> November 2025



Organized by Department of Civil Engineering  
Marian Engineering College,  
Thiruvananthapuram, Kerala  
[www.marian.ac.in](http://www.marian.ac.in)

## ABOUT THE INSTITUTION

Marian Engineering College, located in Kazhakuttom, Thiruvananthapuram, is managed by the Trivandrum Social Service Society under the Trivandrum Latin Catholic Archdiocese. The college was established in August 2001 with the vision of creating a high-level centre of learning that meets international standards, promoting academic excellence and fostering a strong research culture in the private sector.

Backed by over 50 years of experience in managing high-quality educational institutions, the Archdiocese brings a legacy of excellence to Marian Engineering College. The institution is approved by the All India Council for Technical Education (AICTE), Government of India, New Delhi.

## VISION & MISSION

**Vision :** To be an institution offering quality technical education and promoting research with strong ethical values for public good.

**Mission :** To mould the young men and women into technologically up to date, socially conscious and morally sound individuals by providing an inspiring environment of learning for the welfare of the society.

## ABOUT ATAL SCHEME

The AICTE Training and Learning (ATAL) Academy aims to improve the quality of technical education in India by promoting research, innovation, and entrepreneurship through training in emerging areas. In a rapidly changing world, especially after the COVID-19 pandemic transformed learning through digital platforms, the Council has decided to conduct Faculty Development Programmes (FDPs) both online and offline for 2025–26. Established in 2019, the academy's main goal is to train faculty, students, and research scholars in new technologies. Participation is mandatory for new teachers and required for promotions. Its key objectives include continuous professional development, fostering innovation, bridging academia–industry gaps, advancing teaching methods, and encouraging interdisciplinary projects.

## ABOUT FDP

This Faculty Development Programme (FDP) aims to provide faculty members with a comprehensive understanding of urban solid waste management (SWM) by integrating traditional centralised and decentralised approaches with emerging innovations in Artificial Intelligence (AI).

With rapid urbanisation, the challenges of managing waste sustainably have become more complex. This program is designed to equip participants with the knowledge and skills to design, analyse, and effectively teach smart, scalable, and sustainable waste management systems that address real-world urban needs.

## TARGET PARTICIPANTS

- Faculty members from AICTE approved institutions, Research Scholars, Industry Professionals and PG students

## HOW TO REGISTER

- Participants can sign up and register for the program in AICTE ATAL website links

<https://atalacademy.aicte.gov.in>

- For more details and NOC format, login to :  
[www.marian.ac.in](http://www.marian.ac.in)

## SPEAKERS



**DR. MUNISH CHANDEL**  
Professor, IIT Bombay



**DR. SNEHA GAUTAMAN**  
Associate Professor, Department of Civil Engineering, Karunya Institute of Technology and Sciences



**DR. AMARPREET SINGH ARORA**  
Research Professor, SungKyunKwan University, South Korea



**Ms. NANMA GIREESH**  
Co-founder, NestAbide and PhD Researcher, TU Delft, Netherlands



**Mr. VINU GEORGE**  
CEO, Gnowgen Solutions



**Mr. PRAVINJITH K.P.**  
Managing Director, Eco Paradigm



**Mr. BINOD J**  
Assistant Executive Engineer, Suchitwa Mission



**Mr. SHIJU CHANDRAN R**  
Executive Engineer, LS GD & Former Senior consultant, Suchitwa Mission



**Mr. JAYAKUMAR J.S.**  
Urban Sanitation & Technical Expert, KSWMP