

Dr.Mahalingam College of Engineering and Technology (An Autonomous Institution) Pollachi

Department of Civil Engineering

OurVoice [Newsletter]



About MCET

Dr. Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 by Dr. M. Manickam with a view to commemorate the 75th birthday of his beloved father Arutchelvar Dr. N. Mahalingam with a mission to impart high quality competency based education in Engineering & Technology to the younger generation to acquire the required skills and abilities to face the challenging needs of the industry around the globe. MCET is a self-financing, co-educational Autonomous Engineering College and it is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to Anna University, Chennai. The Institution has been accredited by NAAC with A++ grade and all eligible UG Programmes are accredited by NBA. MCET currently offers 12 UG 6 PG and 7 doctoral Programmes in Engineering, Technology and Science.

About the Department

Civil Engineering is the oldest engineering discipline that deals with the planning, design, construction and maintenance of the physical and natural built environment, including works like buildings, bridges, canals, dams and roads. The department of Civil Engineering at MCET was started in the year 2007 with B.E. – Civil Engineering Program and extended in 2012 for Post Graduate program in M.E. – Structural Engineering.

The Department of Civil Engineering at MCET has highly qualified and experienced faculty in diversified domains which helps to enlighten the young minds of students in the theoretical and experimental aspects. Department has state-of-art infrastructural facilities which provide expertise and facility to work on emerging technologies. In a nut shell the department is well nurtured to cater the needs of education through industry oriented curriculum, research, consultancy, co-curricular and extra-curricular programs for the career enhancement of the students.

VISION

To develop Competent Civil Engineers to meet the infrastructure challenges of India and the world.

MISSION

- To become one of the reputed departments offering Civil Engineering Program in the country.
- To produce excellent engineers to cope up with the changes through dynamic, innovative and flexible curriculum.
- To provide a conducive environment for teaching & learning and to develop leaders with effective communication skills.
- To conduct quality research driven by industry & societal needs and provide affordable engineering solutions in an ethical way.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 Graduates who effectively demonstrate engineering knowledge, problem solving skill, design capabilities and entrepreneurial skills by providing practical solution.

PEO 2 Graduates who effectively demonstrate professionalism in multi-disciplinary engineering environment, leadership quality, teamwork and engage in life-long learning.

PEO 3 Graduates who demonstrate an ethical commitment to the community and the profession through involvement with professional societies.

PEO 4 Graduates who make contributions to knowledge and establish best engineering practice through research and development.

PROGRAMME OUTCOMES (POs)

PO1. Engineering knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization in the field of Civil Engineering.

PO2. Problem analysis: Identify, formulate, analyse and solve complex problems in construction industries using principles of mathematics, natural sciences and engineering sciences.

PO3. Design/development of solutions: Design a solution for complex civil engineering problems and design system processes to meet specific needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Conduct investigations of complex problems including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusion.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understanding the impact of engineering solutions in social environment and demonstrate the knowledge for sustainable expansion.

PO8. Ethics: Apply ethical principles and commit to professional ethics and the norms of engineering practices.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

PO10. Communication: Communicate with engineers and society to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions related to civil engineering professionals.

PO11. Project management and finance: Demonstrate and apply the knowledge of engineering and management principles to one's own work, as a team leader or a member to manage project in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the ability to engage in independent and life-long learning in the context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1. Problem Analysis: Able to arrive solutions to real time problems related to various domains of civil engineering through problem solving skills.

PSO2. Design and Management: Able to design systems, components and processes considering safety, quality and cost consideration and able to prepare project documents, engineering drawings and construction schedules

Department Milestones

NBA Committee Visited the Department from 26.07.2024 to 28.07.2024 and accredited Department of Civil Engineering for 3 years with the highest score.



Centre of Excellence



Student Achievements

S. No	Roll No	Name of the Students	NPTEL Course	Recognition
1	23BCE306	SATHISHKUMAR R	Building Materials as a Cornerstone to Sustainability	ELITE+SILVER
2	23BCE316	LALITH V		ELITE
3	23BCE305	VISHNUBHARATHI S		ELITE+SILVER
4	23BCE310	HARIKRISHNAN S		ELITE
5	23BCE314	SARAVANA M		ELITE
6	23BCE309	THIRUSELVAN B		ELITE
7	23BCE313	MOHAN KUMAR R		ELITE
8	23BCE315	RANJITH KUMAR B		ELITE
9	23BCE307	RAGUL P		ELITE
10	22BCE029	SANTHOSH M		ELITE+SILVER
11	22BCE018	KARISHINIDEVI T		ELITE+SILVER
12	23BCE318	ROOBA DHARSINI B		ELITE+SILVER
13	22BCE017	PONRAGUL N		ELITE+SILVER
14	22BCE022	VISHNUMALYA P N		ELITE+SILVER
15	22BCE027	VINOTHA M		ELITE+SILVER
16	22BCE009	RAAGUL G		ELITE+SILVER
17	22BCE001	THIYANES P		ELITE+SILVER
18	23BCE308	AKILESH S		ELITE
19	23BCE311	SAMEENA MUBBIN N		SUCCESSFULLY COMPLETED
20	22BCE025	AHAMMED ANAS M	Waste Water Treatment and Recycling	SUCCESSFULLY COMPLETED
21	22BCE005	PRANAV NITHYANANTH N M		SUCCESSFULLY COMPLETED
22	22BCE026	MATHANBABU M		SUCCESSFULLY COMPLETED
23	22BCE016	ARSHAD IBRAHIM		ELITE
24	23BCE028	MUTHU ARUN		SUCCESSFULLY COMPLETED
25	23BCE008	RITHISH V	Introduction to urban planning	SUCCESSFULLY COMPLETED
26	23BCE011	SANTHOSH V		ELITE
27	23BCE010	AKILA SHREE	Public Speaking	SUCCESSFULLY COMPLETED
28	23BCE004	MOMAL NAFEESHA		ELITE
29	23BCE015	RITHANYA S		SUCCESSFULLY COMPLETED
30	24BCE310	PREMANAND	Entrepreneurship	SUCCESSFULLY COMPLETED
31	23BCE032	MANI BHARATHI I U	Social Networks	SUCCESSFULLY COMPLETED

Student Achievements

S. No	Roll No	Name of the Students	Event Details	Participation / Awarded (First/Second/Third Prize)	Organizer and Place of program	Date
1	22BCE009	Raagul G	Paper Presentation	First prize	Kallikrates'24 - KPR Institute of Engineering and Technology, Coimbatore.	24.10.2024
2	22BCE001	Thiyanes P	Paper Presentation	First prize		
3	22BCE019	Cathrine Jonald J	Paper Presentation	Participation		
4	22BCE018	Karishini Devi T	Paper Presentation	Participation		
5	23BCE007	Subashree R	Project Presentation	Second Prize	Dr. MCET, Pollachi	26.10.2024 & 28.10.2024
6	23BCE023	Ramya N	Quiz	First Prize	Vivekananda Vidyalayam Higher Secondary School, Udumalpet	25.01.2025 & 26.01.2025
			Slogan Writing	First Prize		



Student Achievements

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VISHNUMALYA P N
for successfully completing the course

Building Materials: as a Cornerstone to Sustainability

with a consolidated score of **78 %**

Online Assignments	24.69/25	Proctored Exam	53.57/75
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Total number of candidates certified in this course: **1608**

Prof. Andrew Thangaraj
Chair,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2024
(12 week course)

M. Vignesh
Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24AR209658900678 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
THIYANES P
for successfully completing the course

Building Material: as a Cornerstone to Sustainability

with a consolidated score of **83 %**

Online Assignments	25/25	Proctored Exam	58.16/75
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Total number of candidates certified in this course: **1608**

Prof. Andrew Thangaraj
Chair,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2024
(12 week course)

M. Vignesh
Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24AR209651000803 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AHAMED ANAS M
for successfully completing the course

Wastewater Treatment and Recycling

with a consolidated score of **49 %**

Online Assignments	19.41/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1239**

Jul-Oct 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CE1055858900621 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ARSHAD IBRAHIM
for successfully completing the course

Wastewater Treatment and Recycling

with a consolidated score of **62 %**

Online Assignments	19.91/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **1239**

Jul-Oct 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CE1055858900599 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RITHISH V
for successfully completing the course

Introduction to Urban Planning

with a consolidated score of **58 %**

Online Assignments	21.25/25	Proctored Exam	37.13/75
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Total number of candidates certified in this course: **292**

Jul-Sep 2024
(8 week course)

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Prof. Ranjana Pathania,
Professor (BSRE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24AR115144200444 To verify the certificate No. of credits recommended: 2 or 3

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AKILA SHREE
for successfully completing the course

Public Speaking

with a consolidated score of **57 %**

Online Assignments	19.97/25	Proctored Exam	36.75/75
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Total number of candidates certified in this course: **5967**

Jul-Oct 2024
(12 week course)

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Prof. Ranjana Pathania,
Professor (BSRE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24HS1435858900280 To verify the certificate No. of credits recommended: 3 or 4

EVENTS ORGANISED

ATAL FDP ON “Artificial Intelligence and Machine Learning Applications in Civil Engineering” 09.12.2024 to 14.12.2024



Resource persons from IIT Madras, NIT Warangal, SRM Andhra Pradesh, NITTTR Kolkata, CSIR-SERC, MNIT Jaipur, DIMENSIONS Coimbatore, VNRIET Hyderabad, Redleaf Technologies and Dr. MCET, handled the various sessions of the ATAL-FDP

External participants: 21

Internal participants : 11

INDUSTRIAL VISITS



An exhibition visit for II and III year B.E Civil Engineering students to “BuildMat 2025 (International Construction & Interior Fair) at PSG Convention Centre, Coimbatore on 25.01.2025.



A site visit for II year B. E. Civil Engineering students to “VVDN Technologies Manufacturing” at koolanaickenpatti on 19.02.2025

Alumni Event

ALUMNI INTERACTION ON “GOVERNMENT JOB OPPORTUNITIES FOR CIVIL ENGINEERS” for II and III-year students of B.E-Civil Engineering



The poster is for an event organized by the Department of Civil Engineering at Dr. Mahalingam College of Engineering and Technology. It features the college's logo, accreditation details (NAAC A++ Grade), and a cartoon beaver mascot. The main text reads 'DEPARTMENT OF CIVIL ENGINEERING INVITES YOU FOR THE Alumni Interaction'. The date is '14-02-2025' and the time is '3:30 PM'. The speaker is 'Mr. M. Gowtham' from the 'Batch : 2015 - 2019'. The venue is 'A415'. The poster also includes a '4 QUALITY EDUCATION' logo and contact information at the bottom.

Dr. MAHALINGAM
MCET
COLLEGE OF ENGINEERING AND TECHNOLOGY
Udumalai Road, Pollachi, Coimbatore District 642003
An Autonomous Institution Since 2011
A DIVISION OF AIA EDUCATIONAL INSTITUTIONS

NAAC A++ GRADE
Cycle 3 (2023-2030)
The Highest Grade

DEPARTMENT OF CIVIL ENGINEERING

INVITES YOU FOR THE

Alumni Interaction

14-02-2025 3:30 PM

VENUE : A415

Mr. M. Gowtham
Batch : 2015 - 2019

beavers.mcet www.mcet.in Counselling code: 2706

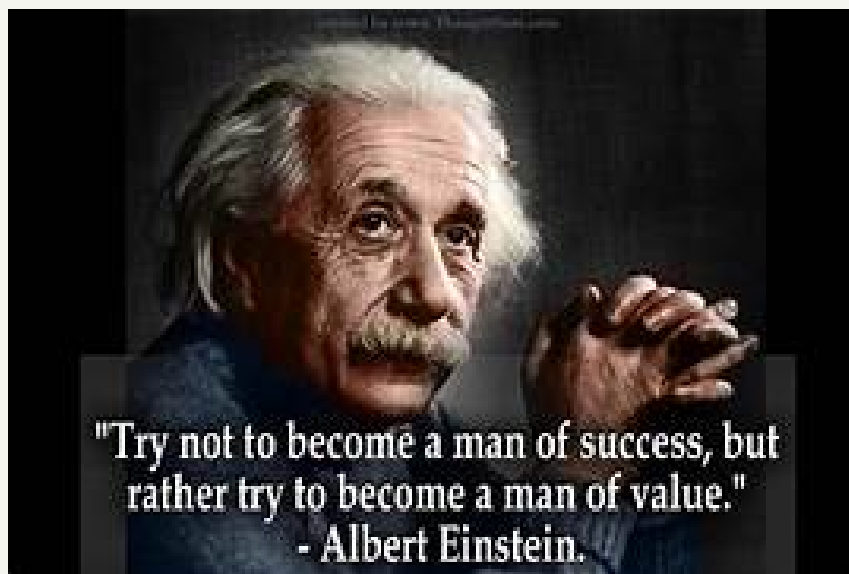


FACULTY ACHIEVEMENTS



FDP/Paper publication/Online Courses:

S.No	Name	Designation	Online Course Completed / FDP / Publication
1	Dr. N. Natarajan	Prof.	Published a paper titled “AHP-Based Impact Assessment Methodology for Selecting Land Application Strategies for Biochar Amended Sewage-Based Compost”
			Published a paper titled “Towards achieving sustainable bioplastics production and nutrient recovery from wastewater—a comprehensive overview on polyhydroxybutyrate”
			Published patent on “Ecobin for Water Tank”
2	Dr. K. Srinivasan	AP (SS)	Published a paper titled “Experimental Investigation of the Mechanical properties of concrete reinforced with Natural Cellulose fibers”
			Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
3	Mr.A.Manikandan	AP (SS)	Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
4	Mr. S. Syed Masoodhu	AP (SS)	Published patent on “Ecobin for Water Tank”
5	Mr. P.S.Sathish Kumar	AP (SS)	Attended Technical Seminar at CONFEST 2024
			Workshop on “From data to discovery through artificial intelligence and machine learning & AI tools for research excellence”
			Attended ATAL FDP on “Modern Materials and Smart Techniques for Sustainable Development in Construction Industry”
6	Mr.S.Dineshkumar	AP	Published patent on “Ecobin for Water Tank”
7	Mrs. S. Suthaviji	AP	Published a patent on “Device for Manufacturing Concrete”
			Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
			Attended Technical Seminar at CONFEST 2024
8	Mr.M.Sudharsanan	AP	Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
9	Ms.S.Sharmila	AP	Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
			Published patent on “Ecobin for Water Tank”
10	Ms.R.Anuja	AP	Attended ATAL FDP on “Artificial Intelligence and Machine Learning Applications in Civil Engineering”
			Attended Technical Seminar at CONFEST 2024



Reach us:



@civil_mcet_2007



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Coordinator:

Ms. R. Anuja,
AP/Civil Engineering
Mr. M. Sudharsanan,
AP/Civil Engineering

Editorial Team:

A. Aravind (21BCE019)
T. Karishinidevi (22BCE018)
M. Nithish Kumar (23BCE312)