

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 10 UG 6 PG and 5 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.

Student Achievements



VijayaBoopathy T, Abinav Ramesh R & Sasiprasanth S V of **III Year** B.E Civil Engineering won **First Prize** in Paper Presentation, **Second Prize** in Quiz & **Third Prize** in Poster Presentation at "FIESTAA'23" organised by Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 16.02.23 and 17.02.23.

Praveena A & Jeetha R of **III Year** B.E Civil Engineering won **First prize** at "Henosis 2k23" by Department of Civil Engineering, Dr. N. G. P. Institute of Technology, Coimbatore on 25.02.23.



Havish Gray SR & Nivethitha Sankari S of **III Year** B.E Civil Engineering won **First prize** in Paper Presentation at "Inter O Fest'23" organised by Department of Civil Engineering, Sree Sakthi Engineering College, Coimbatore on 25.02.23.

Logasundar T of **III Year** B.E Civil Engineering won **First prize** Technical Quiz at "PANORAMA 2k23" organised by Department of Civil Engineering, Sri Ramakrishna Institute of Technology, Coimbatore on 28.02.23.



Vijayaboopathy T, Pranesh U & Subaranjini M of **III Year** B.E Civil Engineering won **First prize** in Seismic design competition at "Yugam'23" organised by Department of Civil Engineering, Kumaraguru College of Technology, Coimbatore on 04.03.23.

Third year B. E. Civil Engineering students presented their research work in "**National Conference on Environmental Challenges towards Sustainability - 2023**" organized by Environmental Engineering Association, Government College of Technology, Coimbatore on **09.05.2023**.



EVENTS ORGANISED



Guest lecture on "**Mental Well-Being**" organized by Mentoring Cluster & Beavers Association- Department of Civil Engineering on **23.02.2023**.

Guest Speaker: Mrs. Kavitha Lakshmanan, Zen Healing Center, Pollachi.



Model Making contest titled "**Model A Sustainable Building**" organized by Outreach Cluster for polytechnic students on **06.04.2023**.



Farewell day function for our final year students of B.E. Civil Engineering & M.E. Structural Engineering organised by Outreach Cluster on **27.04.2023**.



Valedictory function for Beavers Association organized by Department of Civil Engineering on **11.05.2023**.

INDUSTRIAL VISITS



Second year B.E- Civil Engineering students visited **Kadaieswari RMC plant, Karanampettai** on **11.03.2023**.



Third year B.E.-Civil Engineering students visited **Aliyar Dam & Sarkarpathy Tunnel** on **11.03.2023**.

ONLINE COURSES COMPLETED

Student Name	Roll Number	NPTEL Course
Prithishram A	20BCE003	Natural Hazard
Dinesh K	20BCE011	Natural hazard
Mohammed Arif	20BCE014	Natural Hazard
Hariram K	20BCE015	Natural hazard
Nivethasankari	20BCE012	Digital land surveying and mapping(DL&M)
Havish Gray S R	20BCE010	Digital land surveying and mapping(DL&M)
Bharanipriya S	20BCE013	Digital land surveying and mapping(DL&M)

The collage displays seven NPTEL Online Certification certificates. Each certificate includes the following information:

- NPTEL Online Certification** (Funded by the MHRD, Govt. of India)
- Student Name** and **Roll Number**
- Course Title**
- Consolidated Score** (%)
- Online Assignments** (Score/Total)
- Proctored Exam** (Score/Total)
- Total number of candidates certified in this course**
- Faculty Members** and **Institution** (Indian Institute of Technology Kanpur)
- SWAYAM** logo
- Certificate ID** and **Credits Recommended**

FACULTY ACHIEVEMENTS

FDP/Paper publication/Online Courses:

S. No	Name	Designation	Online Course Completed / FDP / Paper Publication
1	Dr. K. Murali	Head of Department	Virtual FDP on "Overview of Free and Open Source Software for Geospatial Technology"
2	Ms. S. Suthaviji	Assistant Professor	NPTEL course on "Self sustainable buildings"
			Virtual FDP on "Construction and demolition waste"
			International workshop on construction materials
3	Mr. S. Krishnakumar	Assistant Professor(SS)	Workshop on "Transformation through NAAC ACCREDITATION PROCESS for Higher Educational Institutions & Health Science Institutions"
4	Mr. P.S.Sathish Kumar	Assistant Professor	Virtual FDP on "Advancements in concrete technology and construction management"
5	Mr. A. Manikandan	Assistant Professor	Virtual FDP on "Sustainable repair and rehabilitation of constructed facilities"
6	Dr.M.Mariappan	Associate Professor	NPTEL Course on "Roadmap for patent creation"
7	Mr. S. Syed Masoodhu	Assistant Professor	NPTEL Course on "Expansive Soil"
8	Mr. A. Praveen Kumar	Assistant Professor	NPTEL Course on "Effective Writing"
9	Ms. S. Sharmila	Assistant Professor	NPTEL Course on "Effective Writing"

Alumni Voice

"Being an alumnus of MCET (2011 - 2015 batch), am very glad to share a few words about my golden days in MCET. Completing my school life in my hometown, entered into our college very excitedly as we always dream of experiencing college life. Without much exposure, started with new faces and new environment but bidden with a gamut of emotions.

I would always say that MCET has the vast ocean of opportunities, where we can select the field which we would like to flourish and make use of it. As I want to get into the government sector, Our HoD and Staff members helped me to achieve that goal. One of the ideas to help us is to conduct free GATE classes for willing students. I could still remember that early morning and late evening GATE classes took by the staff member, which played a major role in my life to be a Government employee as Assistant Engineer in Water Resource Department.

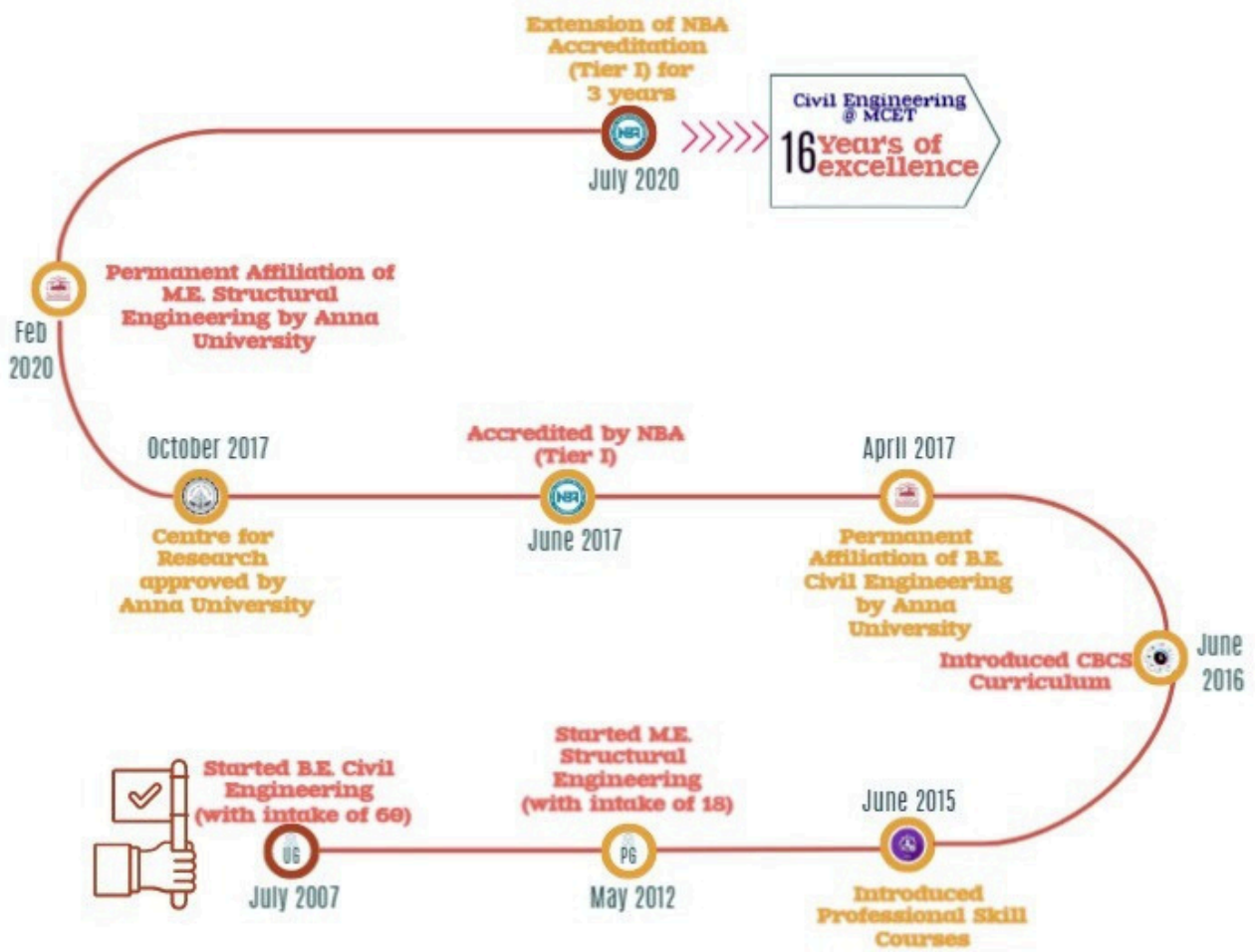
MCET has given equal importance for non-academic part also to develop both intrapersonal and interpersonal skills by involving the students through various club activities, sports, NSS, NCC etc.

Looking back those days, am very grateful to the whole team of MCET for the guidance and everything"



Er. Kasthuri N
Assistant Engineer
Water Resource Department,
Pollachi.

Department Milestones



Reach us:



@civil_mcet_2007



@Civil MCET



@Civil MCET

Coordinator:

Mr. M. Sudharsanan,
AP/Civil Engineering

Ms. R. Anuja,
AP/Civil Engineering

Editorial Team:

C. Vysnavaa sri (19BCE012)

M. Sabarinathan (19BCE032)

A. Harshath Raj (20BCE005)

J. Javith Akthar (21BCE311)

A. Aravind (21BCE019)