

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



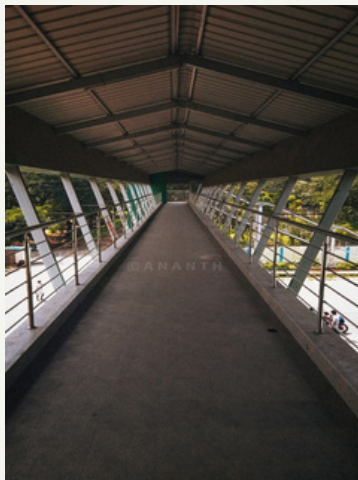
Praveen kumar D & Surya kumar R of III Year B.E. Civil Engineering won **Second prize** in Sketch Art at Kongunadu Engineering College on 17.09.2022.

Havish Gray S R & Nivethithasankari S of III Year B.E Civil Engineering won **First prize** in Paper presentation at Sengunthar Engineering College on 20.10.2022.



Havish Gray S R & Nivethithasankari S of III Year B.E Civil Engineering won **First prize** in Technical dumb charades at Sengunthar Engineering College on 20.10.2022.

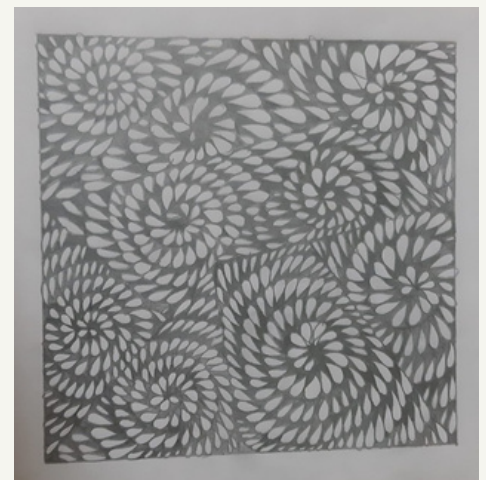
Student Art Gallery



Anantha Narayanan P
(19BCE016)



Karishini Devi T
(22BCE018)



Karishini Devi T
(22BCE018)

EVENTS ORGANISED



Two-days national seminar on “**Fundamentals and Applications of Textile Reinforced Concrete Construction in India**” sponsored by Indian National Science Academy(INSA), New Delhi on **28.10.2022 & 29.10.2022**.

Guest Speakers:

1. Dr. SUNITHA K NAYAR – IIT, Palakkad.
2. Mr. SACHIN PAUL - M. A. College of Engineering, Kerala.
3. Dr. R. THENMOZHI - Government College of Technology, Coimbatore.
4. Dr. M. P. MUTHURAJ - Coimbatore Institute of Technology, Coimbatore.
5. Mrs. D.CHARUMATHY - Highways Department, Coimbatore.

EVENTS ORGANISED



"Motivational Talk for Civil Department students" organized by Beavers Association on **29.10.2022**.

Guest Speakers:

1. Mr. Pon Rathnavel - Managing Director, Nicety Shelters & Solutions.
2. Dr. N. Gobi – Associate Placement & Training Officer, Dr. MCET.

EVENTS ORGANISED



Department of Civil Engineering organized the **Inauguration of Beavers Association** on **10.10.2022**. The chief guest **Dr. A. Sudhakar**, Proprietor and Chief Consultant -Dimensions, Coimbatore, delivered the guest lecture and released the department magazine **“SkyScraper”** on the same event.



Discussion forum on **“Civil Engineering Reality after Graduation”** with Alumni students on **07.10.22 & 08.10.22**

INDUSTRIAL VISITS



Final year B.E- Civil Engineering Students in collaboration with TWAD board visited **Velliangadu Water Treatment Plant, Karamadai** on **03.11.2022**.

ONLINE COURSES COMPLETED

NPTEL Courses:

Roll No	Name of the Student	Online Course Completed
20BCE001	ADHITHIYAN V	Principles of construction management
20BCE002	HARIHARASUDHAN S	Entrepreneurship
20BCE003	PRITHISHRAM A	Project planning and control
20BCE005	HARSHATH RAJ A	Introduction to industry 4.0 and industrial IOT
20BCE008	SANGAMITHRA S	Role of craft and technology in interior
20BCE009	VIJAYABOOPATHY T	Entrepreneurship
20BCE011	DINESH K	Entrepreneurship
20BCE013	BHARANIPRIYA S	Consumer psychology
21BCE307	PRANESH U	Entrepreneurship
21BCE311	JAVITH AKTHAR J	Programming in modern C++

ONLINE COURSES COMPLETED

Other Courses:

Roll No	Name of the Student	Online Course Completed
20BCE001	ADHITHIYAN V	Spoken tutorial Python 3.4.3
20BCE002	HARIHARASUDHAN S	Spoken tutorial Python 3.4.3
20BCE003	PRITHISHRAM A	Spoken tutorial Python 3.4.3
20BCE005	HARSHATH RAJ A	Spoken tutorial Python 3.4.3
20BCE006	PRADEEP K	Spoken tutorial Python 3.4.3
20BCE008	SANGAMITHRA S	Spoken tutorial Python 3.4.3
20BCE009	VIJAYABOOPATHY T	Spoken tutorial Python 3.4.3
20BCE010	HAVISH GRAY S R	Spoken tutorial Python 3.4.3
20BCE011	DINESH K	Spoken tutorial Python 3.4.3
20BCE012	NIVETHITHASANKARI S	Spoken tutorial Python 3.4.3
20BCE013	BHARANIPRIYA S	Spoken tutorial Python 3.4.3
20BCE014	MOHAMMED ARIF M	Spoken tutorial Python 3.4.3
20BCE015	HARIRAM K	Spoken tutorial Python 3.4.3
20BCE016	SURYAKUMAR R	Spoken tutorial Python 3.4.3
20BCE017	NATHIYA P	Spoken tutorial Python 3.4.3
20BCE018	SUBARANJANI M	Spoken tutorial Python 3.4.3
20BCE019	LAXMAN S K	Spoken tutorial Python 3.4.3
20BCE020	PRAVEENA A	Spoken tutorial Python 3.4.3
20BCE021	LOGASUNDAR T	Spoken tutorial Python 3.4.3
20BCE022	ABINAV RAMESH R	Spoken tutorial Python 3.4.3
20BCE023	SASIPRASANTH S V	Spoken tutorial Python 3.4.3
21BCE301	JOHN IRUDAYA RAJ J	Spoken tutorial Python 3.4.3
21BCE302	JAMES PAUL AMBROSE S	Spoken tutorial Python 3.4.3
21BCE303	DHUVARAK RAJ M	Spoken tutorial Python 3.4.3
21BCE306	PRAVEENRAJ S	Spoken tutorial Python 3.4.3
21BCE307	PRANESH U	Spoken tutorial Python 3.4.3
21BCE309	KAVIN PRASATH P	Spoken tutorial Python 3.4.3
21BCE310	YOGESHWARAN M	Spoken tutorial Python 3.4.3
21BCE311	JAVITH AKTHAR J	Spoken tutorial Python 3.4.3
21BCE312	SUMESH V	Spoken tutorial Python 3.4.3
21BCE313	JEETHA R	Spoken tutorial Python 3.4.3
21BCE314	THILAKRAKUL M	Spoken tutorial Python 3.4.3

FACULTY ACHIEVEMENTS

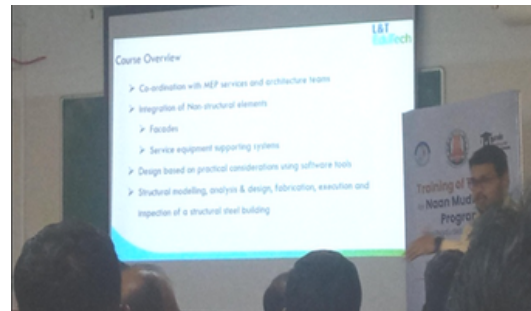
Guest Lectures:

Dr.K. Murali , HOD/CE



Resource person for the All Indian National Seminar on " Modular Construction" organized by the Institution of Engineers (India), Coimbatore Local Chapter in association with Department of Civil Engineering, Hindustan College of Engineering and Technology, Coimbatore on 30.12.2022

FDP/Paper publication/Online Courses:



Our faculties **Dr. K. Srinivasan, Mrs. S. Suthaviji, Mr. M. Sudharsanan & Ms. R. Anuja** have attended **Skill Development Training** on “High rise building design, Transportation infrastructure - Airports, Metros & Seaports, Design and construction of steel buildings & Building Information Modelling” under **Naan Mudhalvan** Scheme at PSG College of Technology, Coimbatore on 20.09.2022.

FACULTY ACHIEVEMENTS

S. No	Name	Designation	Online Course Completed
1	Dr.N.Natarajan	Associate Professor	Python for Data Science
2	Mr. S. Krishnakumar	Assistant Professor (SS)	Brief Introduction to Psychology.
3			Psychology in Everyday
4	Mr. S. Syed Masoodhu	Assistant Professor	Subsurface Exploration: Importance and Techniques Involved
5	Mr. A.Praveen Kumar	Assistant Professor	Optimization methods for civil Engineering
6			Advanced Concrete Technology
7	Mrs. S.Suthaviji	Assistant Professor	Sustainable Transportation systems
8	Ms. S. Sharmila	Assistant Professor	Python for Data Science
9	Mr. M. Sudharsanan	Assistant Professor	BIM Fundamentals for Engineers
10	Dr. K.Srinivasan	Assistant Professor (SS)	BIM Fundamentals for Engineers
11	Ms. R. Anuja	Assistant Professor	BIM Fundamentals for Engineers

Alumni Voice



Er. Daniel Justus
Pursuing MBA,
Carnegie Mellon University,
USA.

"Growing up as a first-generation graduate, I have built my career, exposure, and dreams since the MCET days. I vividly remember the rainy day I walked into the campus meeting people from different parts of the state. I quickly recognized the importance of exposure and utilized every opportunity to learn. Especially, Civil Engineering department leadership has always been a support to the student's upliftment, investing personally in every student. From technical lessons to practical coaching, the Civil Engineering department helped me develop as a holistic engineer. I also spent countless hours with then HoD Dr.Jaishankar and Dean Dr. Ranga Palanisamy, learning from their experiences and getting valuable guidance, an opportunity that was never available to me otherwise. Beyond the department, I also collaborated and participated in campus-wide initiatives, such as being a member of SGS or clubs. Gaining such experiences, I learned beyond textbooks to understand the importance of networking, communication skills, and exploring different opportunities. Leveraging all those experiences, I could move up ever since, be it to IIT Delhi, L&T, and now as an MBA candidate at Carnegie Mellon. Looking back, as someone from rural India who never had any background to succeed, I significantly contributed my success to every mentor I had at MCET. I am forever grateful to my alma mater"

Mr. Anandha Raj L
PhD Scholar
IIT Madras, Chennai



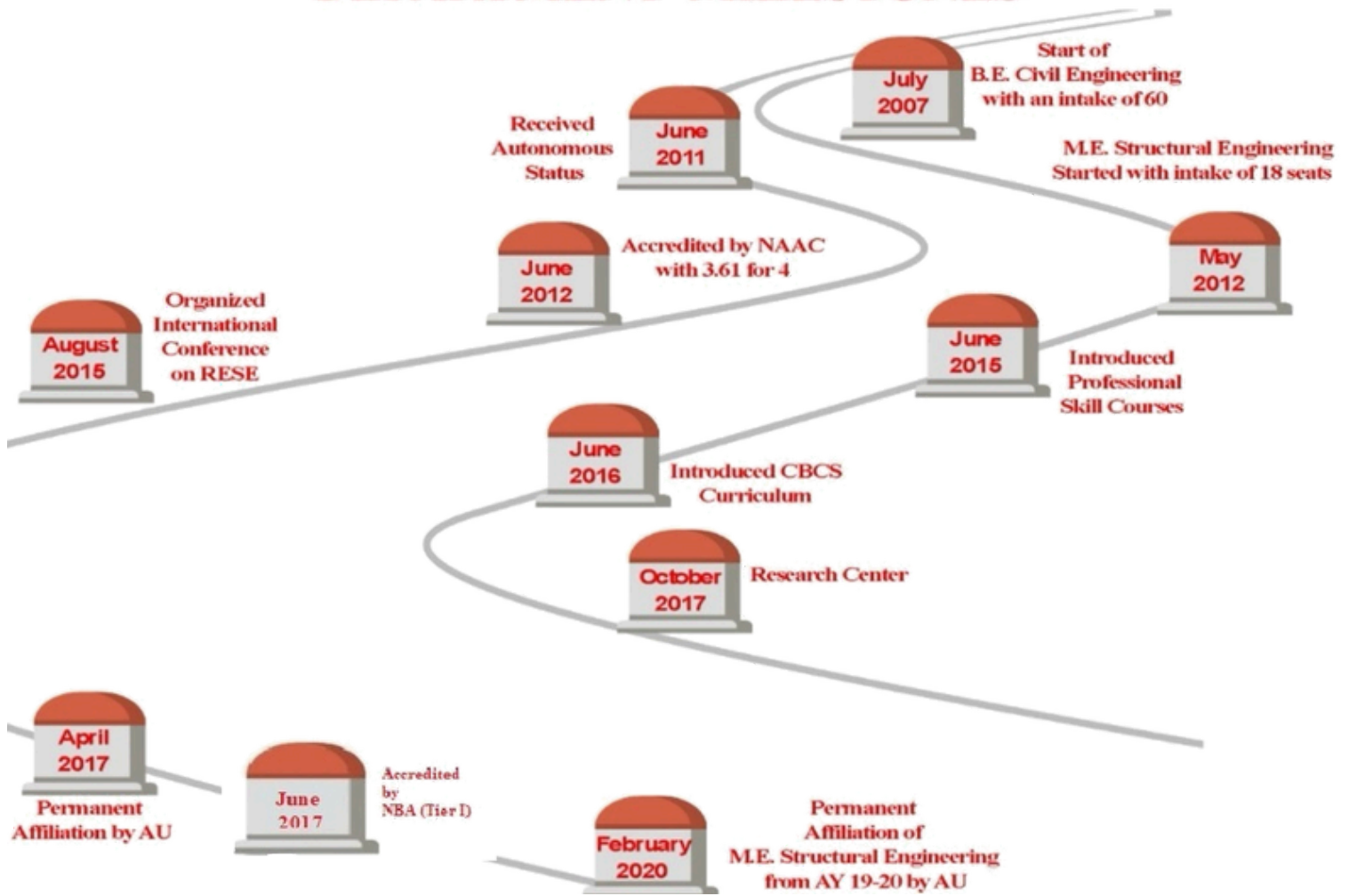
"Hello, my name is Anandha Raj L currently doing research as a PhD Student in the Computational Geomechanics Laboratory, Indian Institute of Technology Madras. I did my Bachelors degree (2014-2018) in Civil Engineering, at Dr. Mahalingam College of Engineering & Technology, Pollachi and consequently did masters from College of Engineering Guindy, Chennai.

My 4 years experience in my undergraduate time at MCET was quite amazing and fruitful with lot of joy in all the circumstances includes academics, co and extra curricular things. The place which I loved most in the campus was library where I learned most hours than classroom. In my personal life, MCET gave me the opportunity to realize the required life skills, still remembering my past wonderful days there.

All the professors are very dedicated and sincere towards the student development and work hard for their future. The days worked in beavers association gives lot of enthusiasm and managerial skills.

I want to thank all of my professors, friends, lab and library staffs and the hostel staffs for giving the knowledge and wonderful stay in the campus. I highly encourage the high school passed outs to join MCET for their future endeavours"

DEPARTMENT MILESTONES



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