



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY
Engineering. Design. Make.

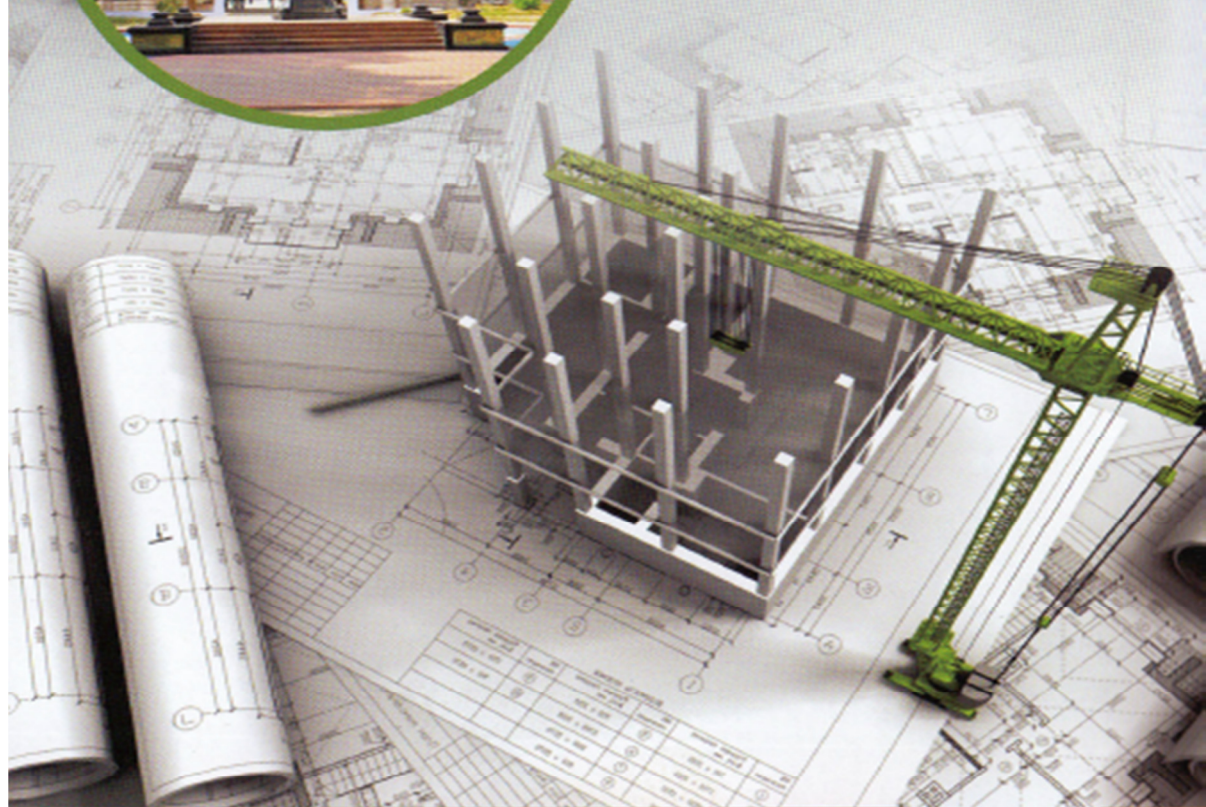
Estd. :1998

Dr. Mahalingam College of Engineering and Technology

An Autonomous Institution - Affiliated to Anna University, Chennai
Approved by AICTE, Accredited by NBA and NAAC with Grade A
UDUMALAI ROAD, POLLACHI - 642 003



CONSULTANCY SERVICES at The Department of Civil Engineering



A Campus with Global Vision



About the Institution

Dr. Mahalingam College of Engineering and Technology (MCET), located on the Coimbatore-Dindugal National Highway (NH-209) at Pollachi, established in the year 1998, is a private, self financing, co-educational institution



approved by the All India Council for Technical Education (AICTE) and is affiliated to the Anna University, Chennai. The college offers 9 under graduate, 5 post graduate and 2 doctoral programmes in engineering. The institute has been awarded with ISO 9001:2008 certificate by TÜV Rheinland. It is accredited by the National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC).



About the Department

The Department of Civil Engineering, offers courses leading to a four year B.E. degree in Civil Engineering and a two year M.E. degree in Structural Engineering. The department has well qualified faculty members who have gained vast experience in teaching, research and consulting by virtue of working in

USA, Singapore and India. The Department also has experienced technicians and supporting staff. The faculty has expertise in Structural Engineering, Geotechnical Engineering, Environmental Engineering, Surveying and Transportation Engineering. The department has laboratories equipped with the latest equipments to meet the needs of the civil engineering community in this region.

The department places special emphasis on engineering automation. The students are exposed to advanced computing techniques used for analysis and design. In this regard, the department provides opportunities for students to acquire knowledge in the latest software such as STAAD.Pro, STRUDS, GIS, AutoCAD, CIVIL3D, ANSYS and MS Project.

Consultancy And Materials Testing

To support the construction industry, the department is actively involved in materials testing and consultancy activities in the following fields of Civil Engineering.

- Structural Engineering
- Surveying
- Construction Materials
- Geotechnical Engineering
- Transportation Engineering
- Environmental Engineering



Structural Engineering Laboratory

Structural Designs for different types of framed structures –

- Residential
- Commercial and bridges
- Scrutiny and Approval of Third Party Designs
- Non-Destructive testing of Concrete structures
- Rehabilitation of Masonry, Concrete and Steel Structures



Surveying Laboratory

The Surveying Laboratory undertakes works related to site survey, leveling and preparation of layouts, Contour mapping using Total Station

Construction Materials Laboratory

Tests on Cement : Standard Consistency, Initial Setting Time, Final Setting Time, Compressive Strength and Specific gravity

Tests on Fine Aggregate : Sieve Analysis, Bulk Density, Unit Weight and Specific Gravity

Tests on Coarse Aggregate : Sieve Analysis, Bulk Density, Unit Weight, Specific Gravity, Abrasion Resistance, Aggregate Crushing Value, Aggregate Impact Value, Flakiness and Elongation Index Tests on Concrete : Compressive Strength of Cement Concrete Cubes, Solid Blocks, Hollow Blocks, Paver tiles



Tests on Bricks : Compressive Strength of Bricks, Water Absorption of Bricks, Efflorescence Test.

Concrete Mix Design: Testing of Rebars- Tension test, Ductility of Mild steel, TOR steel

Geotechnical Engineering Laboratory

Tests on Soil : Geotechnical investigations for Civil Engineering works carried out include boring, drilling of test pit, auguring, standard penetration test, plate load test, soil sampling and testing, etc.,

- Direct Shear test
- Consolidation test
- CBR test
- Design of Shallow and deep foundations

Transportation Engineering Laboratory

Tests on Bitumen : Determination of Bitumen Content, Ductility, Penetration, Specific Gravity of Bitumen, Softening Point, Flash and Fire Point of Bitumen, Marshall Stability of Bituminous Mixture

Environmental Engineering Laboratory

Tests on Water : Water Quality Test

Tests on Waste Water : Waste water Quality Testing



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Enlightening Technical Minds

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