

About the College

Dr. Mahalingam College of Engineering and Technology (MCET) was established in 1998 by Dr.M.Manickam to commemorate the 75th birth day 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++ and 7 UG programmes(CSE, EEE, EIE, ECE, CIVIL, Mechanical and Automobile) are accredited with Tier I by National Board of Accreditation (NBA). MCET currently offers 10 UG 6 PG and 5 Doctoral programs in Engineering, Technology and Science.

About the Department

The Department of Automobile Engineering was started in the college in the year 2007, with the strong backing of the Sakthi Group of Companies, a company which has a strong presence in the automotive sector. Since Automobile Engineering is a discipline that requires a blend of both theoretical inputs and hands on exposure, the department strives to provide intensive in-plant training to all its students in major automobile companies. Currently, ABT Technical Institute, Sakthi Auto Components Limited and ABT industries are partnering with MCET to offer high quality training to our students. With such an exposure, our graduating students have a definite edge of getting placed in leading companies globally.

Chief Patron:

Dr. M. Manickam,
Chairman, MCET

Patron:

Shri. M. Hari Hara Sudhan,
Correspondent, MCET

Chairman:

Dr. C. Ramaswamy,
Secretary, NIA Educational Institutions

Co- Chairman:

Dr. A. Rathinavelu
Principal, MCET

Conveners:

Dr. Sunil S R Gangolli
Professor and Head- Auto
Dr.M.Selvakumar
Associate Professor-Auto

Organizing Secretaries:

Dr. D.Shanmugam
Associate Professor-Auto
Dr. Karthick Jayaram
Associate Professor-Auto

Committee Members:

Mr. S.K.Ashok /AP(SS)	Mr. M.Mahendran/AP
Mr. M.Thirunavukkarasu /AP(SS)	Mr. D.Pavithran/AP
Mr. C.Radhakrishnan /AP(SS)	Mr. A.Yazharasu/AP
Mr. G.Janakiraman/AP	Mr. P.P.Mahalingam/AP
Mr. K.Yokeshwaran/AP	
Mr. N.Praveenkumar/AP	
Mr. K.Sathish Kumar/AP	
Mr. R.Vishnu Ramesh Kumar/AP	
Mr. R.Aswathamam/AP	
Mr. S.Arulkumar/AP	
Mr. P.Karuppusamy/AP	
Mr. R.Manoj Kumar/AP	
Mr. S.Sathish Kumar/AP	



AICTE Sponsored Two Weeks FDP on
"Design for Manufacture, Assembly and
Environment for Product Innovation and Optimization"
25th November 2019 – 07th December 2019



Organized by
Department of Automobile Engineering

**Dr. MAHALINGAM COLLEGE OF ENGINEERING
AND TECHNOLOGY**

(An Autonomous Institution)

(Accredited by NBA, NAAC with 'A++' Grade)

Pollachi-642003 Coimbatore (Dt), Tamilnadu

Phone: +91-4259-236030/40/50 Fax: +91-4259-236070

Website: www.mcet.in

About the Programme

Optimization techniques have been expanding in all directions at an astonishing rate during the last few decades. New algorithmic and theoretical techniques have been developed, the diffusion into other disciplines has proceeded at a rapid pace, and our knowledge of all aspects of the field has grown even more profound. Optimization technique has been a basic tool in all areas of applied mathematics, engineering, medicine, economics and other sciences. Moreover, multi-objective optimization is an area of multiple criteria decision making, that is concerned with mathematical optimization problems involving more than one objective function to be optimized simultaneously. This FDP will be addressing the fundamental understanding on multi-objective optimization problems and also study applications involving such problems. The programme also focuses on TRIZ and its principles, standard solutions applied to solve contradictions in New Product Development.

Topics to be Covered:

DFMA:

- Overview
- Product design Process
- Selection of materials and shapes
- Design for X(manufacturability, assembly environment)
- Rapid prototyping
- Design for reliability

Multi objective evolutionary optimization:

- Concept of multi objective optimization
- Concept and types of evolutionary optimization

TRIZ methodology:

- Concept of ideality/contradiction
- 40 inventive principles
- Applications of TRIZ

Eligibility:

Faculty members and Research Scholars from AICTE recognized institutions and industry personnel can attend.

Registration & Participation:

Registration fee is Rs.1000/- for faculty members and Research Scholars. The mode of payment is through Demand Draft drawn in favour of "The Principal, Dr. Mahalingam College of Engineering and Technology" payable at Pollachi. Duly filled registration form along with DD must reach us on or before 16.11.2019. **This amount will be refunded to the participants who attend the program completely.** The number of participants is limited to 40 and the selection is on first-come-first-serve basis.

Accommodation Details:

Accommodation will be provided on limited basis with prior request for outstation participants. The reimbursement of travel expenses will be made as per AICTE guidelines. TA will be provided to the outstation participants on submission of the necessary documents.

Address for Communication

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REGISTRATION FORM

AICTE Sponsored Two Weeks FDP on
"Design for Manufacture, Assembly and
Environment for Product Innovation
and Optimization"

25th November 2019 - 07th December 2019

(To be filled in Block Letters)

Name :

Designation :

Department :

Institution :

Address for Communication :

Pincode :

Phone/Mobile:

Email id :

I have enclosed DD in favour of
"The Principal, Dr. Mahalingam College of
Engineering and Technology" payable at Pollachi for
an amount of Rs.1000/- towards registration fee.

Demand Draft Details:

DD No & Date :

Bank Name :

Branch Name :

Signature of the
Candidate

Signature of the
Head of the Institution
with seal