

**SEVEN DAYS FDTP
ON
ME6603-FINITE ELEMENT ANALYSIS**

20th - 27th November 2017

Registration Form

Name : Dr./Mr./Ms. _____
Date of Birth : _____ Age : _____
Designation : _____
Department : _____
Institution : _____
Experience : _____
Address for
Communication : _____

Phone / Mobile : _____
Email ID : _____

Signature of the Participant

SPONSORSHIP

This is to certify that _____ is a regular employee of our institution and he/she is permitted to attend the seven days **FDTP on ME6603 - Finite Element Analysis** conducted by the Department of Mechanical Engineering, Panimalar Institute of Technology, Chennai during 20th to 27th November 2017.

**Signature of the Head of Institution
with office seal and Date**

Note: Photo Copy of this form can be used

PROGRAMME OBJECTIVE

The FDTP is designed to train and develop the participants in the area of Finite Element Analysis through lecture and practical sessions. This programme will make the teachers as "Resource persons" in teaching, guiding and motivating students in the field of Design Engineering.

ELIGIBILITY AND SELECTION

Faculty members from Anna University affiliated Engineering colleges are only eligible to participate the programme. The total number of participants is limited to 25 and selection is first come first serve basis. Priority will be given to young faculty members.

No TA / DA will be provided.

REGISTRATION

Registration is free.

Completed registration form in the given format should reach the Coordinators by post on or before 16-11-2017. The participants can also send the scanned copy of the completed registration form through Email.

ADDRESS FOR CORRESPONDENCE

Programme Coordinator (FDTP)
Department of Mechanical Engineering
Panimalar Institute of Technology
Poonamallee, Chennai - 600123
Ph. : 044 - 2649 1113, 2649 1114,
Mobile : 9976837999, 9884315408
Email ID: saimurugan1973@gmail.com
smarjun23@gmail.com

**SEVEN DAYS FDTP
ON
ME6603-FINITE ELEMENT ANALYSIS**

(Regulation 2013)

20th - 27th November 2017

COORDINATORS

Dr. R. Murugan M.E., Ph.D

Mr. S. Malligarjunan, M.E., (Ph.D)



Approved by

Anna University, Chennai

Organized by



**DEPARTMENT OF MECHANICAL ENGINEERING
PANIMALAR INSTITUTE OF TECHNOLOGY
Poonamallee, Chennai-600123**

ABOUT THE INSTITUTION

Panimalar Institute of Technology, a Christian Minority Institution, was established on 2008 by **Jaisakthi Educational Trust** with four streams of engineering viz. CSE, IT, ECE and EEE. The institute focuses on propagating knowledge in the field of engineering integrated with discipline and ethics. The institution is affiliated to Anna University and follows the guidelines of AICTE, New Delhi in all aspects. It is located at Poonamallee, near Chennai with a greenish environment.

The campus is spread over 66 acres which provides a huge space for curricular, co-curricular, extra-curricular activities and also sports activities. The institution is equipped with fully furnished labs, playground, air-conditioned audio visual hall, central library, auditorium and also a mess hall offering hygienic and nutrition food.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was started in the year 2010. It provides state of the art lab facilities and promotes strong industry-institute collaboration. The department has highly qualified and experienced faculties in various disciplines of Mechanical Engineering. The Department regularly conducts various events that enrich the technical knowledge of the students apart from their regular course of study. The department has been recognized as *Center of Excellence* by ICT Academy of Tamilnadu and signed MoUs with leading industries such as ATALON, NATRIP, CIPET, GTS etc.

ABOUT THE PROGRAMME

Finite Element Analysis is a widely used design and analysis technique in industries. It is essential that UG engineering students should have a basic knowledge and application of this technique. The aim of the programme is to introduce FEA as a general numerical technique for the solution of various engineering problems.

The programme is composed of approximately three-fourth theory sessions and one-fourth training sessions using commercial software ANSYS®. This programme is planned in a structured way starting with the basics of FEA, a description of finite element interpolation functions, formulation of FE problem, applications in 1D, 2D domains and further advanced topics to completely cover the syllabus prescribed by the Anna University.

PROGRAMME TOPICS:

- Basic Concepts of FEA
- Functional Approximation Methods
- Stress Analysis of Bar & Beams
- Stress Analysis of Trusses
- Plane Stress & Plane Strain Problems
- Axisymmetric Problems
- Heat Transfer Problems (1D & 2D)
- Longitudinal & Transverse Vibration Problems
- Plate & Shell Elements
- Isoparametric Elements
- Numerical Integration
- Matrix Solution Techniques
- Practical sessions on ANSYS software

ORGANIZING COMMITTEE

CHIEF PATRON:

Vice-Chancellor
Anna University
Chennai

PATRON:

Dr. S. Ganesan
Registrar
Anna University
Chennai

CHAIR:

Dr. K. Shanthi
Director, CFD

Dr. D. Sridharan
Addl. Director, CFD

CO CHAIR:

Dr. T. Jayanthi, Principal,
Panimalar Institute of Technology

Dr. N. Nithyanandan, HOD,
Department of Mechanical Engineering

COORDINATORS

Dr. R. Murugan, Professor

Mr. S. Malligarjunan, Asso. Professor

VENUE:

Auditorium
Panimalar Institute of Technology

IMPORTANT DATES:

Submission of Application : **16.11.2017**
Intimation of selection : **17.11.2017**
Confirmation by Participant : **18.11.2017**