

SEVEN DAYS FDTP

ON

ME6603-FINITE ELEMENT ANALYSIS

24th - 30th May 2018

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 Finite Analysis conducted by the Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram during 24th to 30th May 2018.

Signature of the Head of Institution
with office seal and Date with 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 22.05.2018. 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

SYED AMMAL ENGINEERING COLLEGE

Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502

Phone : 04567 - 304 270, Mobile : 98435 20062

Email : mechhod@syedengg.ac.in

SEVEN DAYS FDTP

ON

ME6603-FINITE ELEMENT ANALYSIS

(Regulation 2013)

24th - 30th May 2018

Coordinators

Dr. P. MARIMUTHU M.E., Ph.D

Dr. S. KARTHIKEYAN M.E., Ph.D



Approved by
Anna University, Chennai

Organized by



Department of Mechanical Engineering

NAAC Accredited

SYED AMMAL ENGINEERING COLLEGE

Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502

Ph: 04567 - 304 000, 304 001 Email : office@syedengg.ac.in Web: www.syedengg.ac.in

About SAEC

Syed Ammal Engineering College, Ramanathapuram is one of the best self-financing engineering colleges started in 1998 with a view to serve the younger generation of this remote under developed region of our country by offering quality technical education by Dr. E.M. Abdullah, M.B.B.S., through Syed Ammal Trust. Our College offers six UG and PG courses in various disciplines. Four UG Courses such as CSE, EEE, ECE & Mech were accredited by NBA. With the strong leadership, committed faculty and disciplined students we are continuously achieving excellence in academic by securing more University ranks every year.

About the Department

The Department of Mechanical Engineering was established in the year 2009 to cater to the needs of the students. The department has large and spacious laboratories with a congenial ratio of student to equipment. They get to work, hands-on and get real time experience under the guidance of the highly experienced faculty. The department aims to achieve higher levels of glory in the years to come. The students acquire interpersonal and communication skills from our department is having full infrastructure, dedicated research faculty and latest equipments for doing research work recognized by the Anna University, Chennai as a Research Centre.

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 FEA problem, applications in 1D, 2D domains and further advanced topics to completely cover the syllabus pre-scribed 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. P. MARIMUTHU**
Principal, Syed Ammal Engg. College
Dr. S. KARTHIKEYAN
Prof. & HOD, Syed Ammal Engg. College

Venue : **Seminar Hall,**
Syed Ammal Engineering College

Important Dates

Submission of Application : 22.05.2018
Intimation of selection : 23.05.2018
Confirmation by Participant : 23.05.2018