

About the University

Anna University was established in September 1978 as a unitary type of technical university amalgamating four institutions: the College of Engineering Guindy, the A C College of Technology, the Madras Institute of Technology and the School of Architecture and Planning. All these four institutions each with a long history and distinct characteristics of its own provided a fertile reservoir of resources from which the nascent university has been formed and grown to its present stature. The College of Engineering Guindy, the main campus of the University, is one of the oldest technical institutions in India. Its origin dates back to 1794, which was established as a Survey School by East India Company. The Survey School was first expanded into a Civil Engineering School in 1858 and then upgraded into a college in 1859. The University offers 45 Under-Graduate and 108 Post-Graduate Programmes along with M.Phil, M.S. (By Research) and Ph.D. Programmes. The University receives grants from the state and central governments, national and international agencies, and industrial houses. It has an extensive link with Indian industries, national research laboratories and international universities. This enables the university to keep with new development and emerging technologies.

About Department

The Mechanical Engineering Department is one of the oldest departments of College of Engineering, Guindy (CEG), as well as in the country. Established in the year 1894, CEG's Mechanical Department has been providing excellent learning and research opportunities for undergraduate and post graduate students, in addition to providing consultancy services to the multiple industries.

About AU-FRG Institute

AU-FRG Institute for CAD/CAM which was established in February 1996 with assistance from the Federal Republic of Germany (FRG) is a result of a joint venture aimed at promoting CAD/CAM technologies in the Indian Industrial Sector. The major objective of this pioneering Institute at the College of Engineering Campus is to provide all assistance to the Indian industries in enhancing their productivity and product design capabilities at optimal cost so as to assist them in becoming global players by the deployment of various CAD/CAM/CAE tools

ABOUT THE COURSE

This programme is intended to be an introductory course on Finite Element Analysis (FEA), which is suitable for academic use in an undergraduate programme. The programme would give a clear idea in understanding the theory behind the Finite Element Analysis. Participants will also be benefited from hands on experience on FEA software and knowledge sharing by industrial and academic experts.

COURSE CONTENT

- Basic concepts of the Finite Element Method
- Derivation of Shape functions and Stiffness matrices and force vectors.
- One Dimensional and Two Dimensional Problems
- Plane stress, plane strain and axisymmetric problems
- Transverse deflections and Natural frequencies of beams.
- Isoparametric formulation.
- Longitudinal vibration frequencies and mode shapes.
- Dynamic problems.
- Software training on FEA.

FIVE-DAY STTP

ON

ME8692 Finite Element Analysis

16.12.2019 – 20.12.2019

CO-ORDINATORS:

Dr. R.Muruganandhan

Associate Professor, AU-FRG ICC

Dr. K.MalarMohan

Assistant Professor (Sr.Gr.), AU-FRG ICC



Jointly Sponsored by
AICTE, NEW DELHI
&
ANNA UNIVERSITY
CHENNAI

Organized by

AU-FRG Institute for CAD/CAM
Department of Mechanical Engineering,
College of Engineering Guindy,
Anna University, Chennai – 600 025.

REGISTRATION FORM

FIVE – DAY STTP
ON

ME8692 Finite Element Analysis

16th to 20th December 2019

Name:.....

Designation.....

Qualification & Experience.....

Department.....

Institution.....

E-mail id.....

Mobile Number.....

Whether accommodation is required: Yes/No

Address:.....

.....

DECLARATION

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of five days STTP under AICTE & Anna University, Chennai.

Date:

Place: Signature of the Applicant

AUTHORIZATION CERTIFICATE

This is to certify that ----- is regular employee of our institutions and is hereby permitted to attend the five days STTP at Dept of Mechanical Engg., CEG, AU, Chennai-25.

Date:

Place:

Signature of the HOD/Principal
With seal

RESOURCE PERSONS

All sessions shall be conducted with the support of external faculty members from IITs / Central / State-funded Institutions / Eminent persons from established Institutions or people from the Industry.

ELIGIBILITY

1. All the faculties from AICTE approved institutions affiliated to Anna University are eligible for the STTP.
2. Number of participants is limited to 40.
3. Participants will be selected on first-come first-served basis.
4. Selected candidates will be intimated by e-mail a confirmation of participation is to be made by email only.
5. The Coordinators decision will be final in the selection of participants.
6. Accommodation will be provided at free of cost in college hostels on request based on availability.
7. TA to outstation participants as per AICTE norms.

How to apply:

Click the [Google Forms Link](#)

Address for Communication

The Co-Ordinators
STTP on Finite Element Analysis

AU-FRG, ICC, Department of Mechanical
Engineering,
College of Engineering Guindy,
Anna University, Chennai-25.

Phone : 044- 22358051/52/53

Email : aufrgfdp@gmail.com

Scanned copy of filled in registration form is to be sent to aufrgfdp@gmail.com

Organizing Committee

Chief Patron : Dr. M. K. Surappa
Vice-Chancellor,
Anna University,
Chennai – 600 025.

Patron : Dr. L. Karunamoorthy
Registrar,
Anna University,
Chennai – 600 025.

: Dr. T. V. Geetha
DEAN, CEG Campus,
Anna University,
Chennai – 600 025.

Chair : Dr. D. Sridharan
Director, CFD
Dr. I. Arul Aram
Additional Director, CFD.
Anna University,
Chennai – 600 025.

Co-Chair : Dr. S. Rajendra Boopathy
Professor and Head,
Dept. of Mechanical Engg.,
College of Engineering Guindy,
Anna University, Chennai, 600 025.

Venue : Seminar Hall,
AU-FRG Institute for CAD/CAM,
CEG, Anna University, Chennai-25

Important Dates

Submission of Application : 06.12.2019

Intimation of Selection : 09.12.2019

Confirmation by participants : 11.12.2019