



DEPARTMENT OF MECHANICAL ENGINEERING

AICTE Sponsored

SIX DAYS VIRTUAL SHORT TERM TRAINING PROGRAMME (STTP) ON

FINITE ELEMENT METHOD FOR ENGINEERING APPLICATIONS

05-10-2020 to 10-10-2020 (SLOT - 3)



Sri

SAI RAM
ENGINEERING COLLEGE

An Autonomous Institution
West Tambaram, Chennai - 44
www.sairam.edu.in



Sairam
INSTITUTIONS



ABOUT THE INSTITUTION

Sri Sairam Engineering College, Chennai was established in the year 1995 by Philanthropist, Educationist and Industrialist, MJF.Ln.LeoMuthu, Chairman of Sapthagiri Educational Trust, a non-profitable, and non-minority institution. The college is situated among sylvan surroundings in an area of more than 100 acres at Sai Leo Nagar, near the Kishkinta amusement park. The college offers eleven B.E. / B.Tech., Undergraduate Degree programmes and six Post Graduate Degree programmes. The College is ISO 9001:2015 certified, NBA, NIRF ranked and NAAC 'A+' accredited, an Autonomous Institution affiliated to Anna University and approved by All India Council for Technical Institution. The Institution has well established infrastructure facilities, well equipped laboratory, Fully Air-conditioned College Library, and state of the art Indoor stadium with seating capacity of more than 5000 people. A well-defined vision, highly committed mission and dedicated leadership facilitate Sri Sairam Engineering College to be one of the best educational institutions in the country.

ABOUT DEPARTMENT

The Department of Mechanical Engineering has been established in the year 1995. The Department is accredited by NBA and CII-AICTE survey of industry linked technical Institutions 2015 has placed the Department of Mechanical Engineering in the first position at all India level. Students are encouraged to actively participate in professional society activities in which real time All-Terrain vehicles are fabricated through events like BAJA, EBAJA, EFFICYCLE, SOLARIS, SUPRA, GOKART, E-Bike and able to win many prizes.

OBJECTIVES OF STTP

The Finite Element Method (FEM) / Finite Element Analysis (FEA) is a numerical and computer-based technique of solving a wide range of practical engineering problems that arise in different fields and which are otherwise difficult to solve analytically. The FEM associated with high computing facilities and available many commercial packages has replaced the traditional method of validation of a design or theory and has drastically reduced the time and money

spent on physical testing. FEA is now a vital and irreplaceable tool in almost all fields including automotive, aerospace, defence, Medical, and many others. At the end of the course, the participants are expected to have fair understanding of FEM and other numerical methods, Basics of linear finite element analysis procedures, Modelling and analysis of structural, thermal and flow problems using FEM and ANSYS, Computational and programming aspects of finite element analysis.

RESOURCE PERSONS

Experts from IIT's, NIT's, Anna University, DRDO and Industries will conduct the theory and practical sessions in the programme.

ELIGIBILITY TO PARTICIPATE:

Faculty members and research scholars belonging to AICTE approved technical Institutions, and such Universities & industry persons can participate in the programme.

REGISTRATION DETAILS:

- No Registration Fee.
- Last date for Registration : 03-10-2020
- Intimation of Confirmation : 04-10-2020
- The maximum number of participants is limited to 75. Preference will be given to early registered candidates.
- Participants can participate only in one slot, in the three slots STTP.

Patrons

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Chairman & CEO, Sairam Institutions

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Hosting on ZOOM

Registration: Google Form Link:

<https://forms.gle/U5xXQCyjSUazEjaW7>

