



MHRD



SUSTAINABLE
DEVELOPMENT
GOALS



Sri SAI RAM ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi

Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 600 044.



DEPARTMENT OF MECHANICAL ENGINEERING

3 DAYS FACULTY DEVELOPMENT PROGRAM ON

COMPUTATIONAL FLUID DYNAMICS AND ENGINEERING SIMULATIONS



Hosting on ZOOM



05.06.2020 to 07.06.2020

@ 09.45 am to 11.30 am

Resource Persons



Dr. RAJESH KANNA, Ph.D (IIT G), D.Sc (Poland)
Associate Professor and Head,
Dept. of Mechanical Engineering,
College of Engineering and Computing,
AI Ghurair University, Dubai, UAE



Dr. K. ARUL PRAKASH, Ph.D (IIT Kanpur),
Professor,
Dept. of Applied Mechanics
Indian Institute of Technology Madras
Chennai 600 036, India.



Dr. V. ANTONY AROUL RAJ, Ph.D.,
Research Coordinator,
Easwari Engineering College, Chennai



Mr. G. NAGENDRAN
Director
CADDAM Technologies Pvt.Ltd.
Chennai.



www.sairamgroup.in

Sairam
INSTITUTIONS



ABOUT SEC

Sri Sairam Engineering College, Chennai was established in the year 1995 by Philanthropist, Educationist and Industrialist, MJF.Ln.Leo Muthu, 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 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.

ABOUT PROGRAMME

Computational Fluid Dynamics (CFD) is a methodology for computer simulation of fluid mechanics and heat transfer problems. The simulation results in prediction of the flow fields in the domain of interest are very useful in the design and optimization of processes and equipment. CFD has become widely used and universally accepted procedure in many academic and industrial sectors. This FDP offers excellent guidance on how to use CFD software. The increasing importance of CFD software development, application, and analysis, in the Indian industry and research organizations, along with the lack of trained manpower in this area, has greatly increased the significance of this course. This Faculty Development Programme will be appropriate for Faculties who teach Heat transfer, Fluid mechanics, Simulation and Analysis software and other thermal subjects and for the people who carrying out research in CFD.

TOPICS TO BE COVERED:

- Solving Two Dimensional Flow Problems using CFD Techniques
- Numerical Heat transfer for steady state and transient systems.
- Solving flow problem with nano-fluids.
- Publishing CFD works in International Journals
- ANSYS workbench for Structural, Thermal and Fluid Flow Simulations
- Turbulence Modelling etc.,



PATRONS

Shri. SAI PRAKASH LEOMUTHU

Chairman & CEO, Sairam Institutions

Dr. A. RAJENDRA PRASAD

Principal

CONVENOR

Dr. B. VIJAYA RAMNATH
HOD/MECH

Dr. M. ARUL PRAKASH,
Associate Professor - Mech/SEC

CO-ORDINATORS

Mr. A. RAVINTHIRAN, Asst. Professor
Ms. A. DHANALAKSHMI, Asst. Professor
Mr. L. RAVIKUMAR, Asst. Professor
Mr. T. BABU, Asst. Professor



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Registration: Google drive Link:

<https://forms.gle/AMcKtwaDC6YZL41Y8>



Program Link : Zoom link will reach you in Whatsapp after successful Registration