

DEPARTMENT OF MECHANICAL ENGINEERING

SAEINDIA

Society of Automotive Engineers INDIA

sponsored

FIVE DAYS VIRTUAL FACULTY DEVELOPMENT PROGRAMME (FDP) ON ME 8493 THERMAL ENGINEERING – I

28-12-2020 to 04-01-2021



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 has placed the Department of Mechanical Engineering in the first position at all India level 2020 and 2015. 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 FDP

Faculty Development Program is conducted with the aim of imparting the knowledge gained by the experts through experience and research works. The subject Thermal Engineering is taught at UG level in all the Engineering colleges for Mechanical students all over India thorough Universities. Even experienced faculty members also can gain knowledge in the subject.

TOPICS:

The resource persons will deliver lectures on

- Air standard cycles and Steam cycles - Rankine cycles, modifications.
- Air compressors – single and multistage and rotary and reciprocating compressors.
- IC Engines – SI and CI engines, 2 stroke and 4 stroke engines, valve timing port timing, performance, AF ratio calculations, Ignition, Injection MPI and CRDI, lubrication systems,
- IC Engines - Fuel and properties, combustion , abnormal combustion.
- Gas Turbines – Performance, Improvements.

RESOURCE PERSONS:

Experts from IIT's, NIT's, Anna University 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 , Universities and industry persons can participate in the programme.

REGISTRATION DETAILS:

- No Registration Fee
- Last date for Registration : **25-12-2020**
- Intimation of Confirmation : **26-12-2020**
- Participants should attend minimum 80 % of the FDP.

E certificate will be given to all the participant

Patrons

Shri. SAI PRAKASH LEOMUTHU
Chairman & CEO, Sairam Institutions

Dr. A. RAJENDRA PRASAD
Principal

Convener

Dr. B. VIJAYA RAMNATH
Head of the Department

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