

DEPARTMENT OF MECHANICAL ENGINEERING

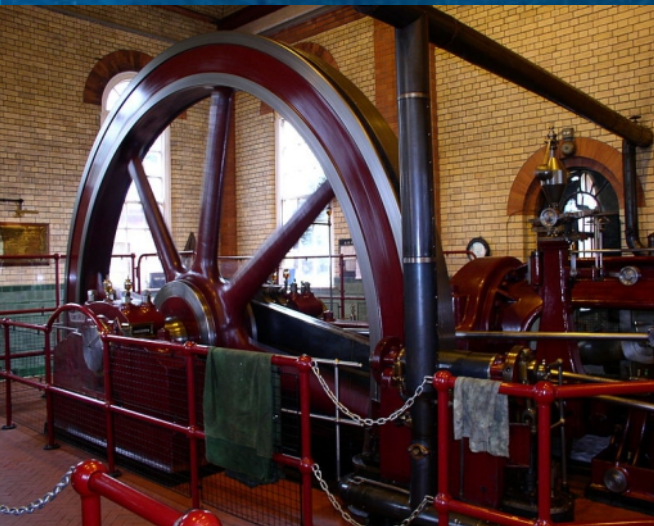


SAEINDIA
Society of Automotive Engineers INDIA

sponsored

FIVE DAYS VIRTUAL FACULTY DEVELOPMENT PROGRAMME (FDP) ON ME8594– DYNAMICS OF MACHINES

26.07.2021 to 30.07.2021



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. www.sairam.edu.in



ABOUT THE INSTITUTION

Sri Sairam Engineering College, Chennai was established in the year 1995 by Philanthropist, Educationist and Industrialist, M.J.F. Ln. Leo Muthu, Chairman of Sapthagiri Educational Trust, a non-profitable, and non-minority institution. Our College is one of the Top Five Engineering Colleges in Tamilnadu. 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, ARIIA 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 being one of the best educational institutions in the country.

ABOUT THE 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 in 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. Our Department Students & Faculties are the members of the Professional Societies - SAEINDIA, ISTE, IE, QCFI, ISHRAE. Our Department is the Anna University Recognized Centre of Research and has Six Research Centres - Clean Energy Centre, Centre for Measurements and Metrology, Biofuel Research Centre, Material Research Centre, Centre for Flexible Manufacturing System and Centre for Product Design and Analysis. Our Department is carrying out many Research projects funded by DST, AICTE etc.,

OBJECTIVES OF THE FDP

The course Dynamics of Machines is a very special course for a Mechanical Engineer. This Faculty Development Program is conducted with the aim of imparting the knowledge gained by the experts through experience and research works in Dynamics of Machines and Design field. The scope of this programme is to facilitate the knowledge about the force-motion relationship in components subjected to external forces, the Undesirable effects of unbalance forces resulting from prescribed motions in mechanism, the effect of vibrations and the principles in Mechanisms used for Speed & Stability control. The applications of concepts of Dynamics of Machines are predominately found in various engineering fields such as Robotics, Automotive Engineering, Aircraft and Space Engineering, Marine Engineering etc.,.



TOPICS:

This FDP covers :

- Inertia Force, Inertia Torque and Turning moment diagrams & Fly Wheel
- Balancing of Rotating and Reciprocating masses
- Free Longitudinal, Transverse and Torsional Vibration
- Forced Vibration and Transmissibility
- Governors and Gyroscopic Effects

RESOURCE PERSONS:

Experts from Reputed Institutions 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 : **21-07-2021**
- Intimation of Confirmation : **23-07-2021**

E certificate will be given to all the participants

Note: Participants should have minimum 80 % attendance to get E-certificate.



Registration Link:

<https://qrgo.page.link/pmm1s>





Patrons

Shri. SAI PRAKASH LEOMUTHU
Chairman & CEO, Sairam Institutions

Dr. A. RAJENDRA PRASAD
Principal

Convener

Dr. B. VIJAYA RAMNATH
Head of the Department

Coordinator

Mr. V. RAVI RAJ, Associate Professor

Organising Members

Mr. G. RAMAKRISHNAN, Associate Professor

Mr. R. RAJAPRASANNA, Assistant Professor

Mr. N. ELANGOVAN, Assistant Professor

Mr. PRIYADARSHI DUTT, Assistant Professor

Mr. P. ANBARASU, Assistant Professor

For Queries Dial:

93807 43129 / 99402 41637



Hosting on  **Google Meet**

Program Link:

Google Meet link will be sent as E-mail,
after successful Registration