



# National Conference on **EMERGING TRENDS IN MECHANICAL ENGINEERING** (NCETME2022) 10th March 2022



## DEPARTMENT OF MECHANICAL ENGINEERING

*(Personal Attention & Parental Care)*

Sri

# SAI RAM INSTITUTE OF TECHNOLOGY

*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.sairamit.edu.in](http://www.sairamit.edu.in)





## ABOUT THE COLLEGE

Sri Sai Ram Institute of Technology, an autonomous institution is approved by All India Council for Technical Education (AICTE) and it is affiliated to Anna University, Chennai. The college is an ISO 2009:2015 recertified institution, and it is also accredited with NBA and A + grade in NAAC. As imbued with the message of Sri Shirdi Sai Baba, our chairman has ventured into the realm of providing quality technical education to both urban and rural students from Tamil Nadu as well as other states. As a result, it has been established by MJF.Ln.Leo Muthu, Founder Chairman of Sapthagiri Educational Trust, in the year 2008. Now, it is developed as one of the reputed Engineering Institutions in Tamil Nadu. This is achieved by offering top quality technical education and also by molding the younger generation with the spirit of service to society. Also, the college has dedicated faculty and provides adequate infrastructure facilities.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering from the day of its inception in the year 2011, has been taking long strides in the field of science and Engineering. The Department was started with an intake of 60 and subsequently was increased to 120 in the year 2012-13. The Department provides most sophisticated laboratory facilities & excellent infrastructure to the students. The department has well qualified, dedicated, enthusiastic Teaching and Technical staff members.

It is a discipline that finds wide scope in emerging areas like Manufacturing, Composite Materials, CAD/CAM/CIM, Robotics, Mechatronics, Industrial Engineering Thermal Engineering, Engineering Design, Renewable Energy etc., The Department organizes a number of Workshops, Guest Lectures and seminars by the Faculties from the reputed colleges such as IITs and Anna University, Chennai. The Department also organizes National/International conferences and Industrial visits every year. The students of our department have good communication and Inter personal skills. Their thoughts and creativity has yielded them many Awards and Prizes.

The Placement record of the department is excelling and is towering to almost 80% every year. Our students are placed in Tier I companies like Hyundai, Ashok Leyland, Mahindra & Mahindra, TVS, Anand Automotives etc. The department poses an excellent and progressive academic record. The Department has deep roots and has consistently maintained its top position and this is possible only with the help of the strong staff support to the department. Numerous staff members have actively involved them self in Research activities and their experience carves students interest to mould their technical knowledge in various fields. The staff members are published their research papers in reputed journals in every academic year. The staff members and students are published 15 patents. The Department has Professional chapters with active society memberships such as ISTE, IEEE, SAE, IEI, IWS etc., The Department has started a Post Graduate programme of M.E.(Industrial Safety Engineering) with an intake of 18 from the academic year 2019-2020.

## IMPORTANCE OF THE CONFERENCE

Department of Mechanical Engineering of Sri Sai Ram Institute of Technology is organizing the National conference on "Emerging Trends in Mechanical Engineering (NCETME2022)". The conference will be held at Sri Sairam Institute of Technology, Sai Leo Nagar, West Tambaram, Chennai-600044, Tamil Nadu, India, on 10th March 2022. The National Conference will be an opportunity to provide a key platform to share inventions, experiences and knowledge and propose strategic recommendations to strengthen the role of Mechanical Engineering to achieve sustainable goals at the National and International. The Conference will result in increased awareness of the recent developments in the field of Mechanical engineering. At the end of the conference, it is expected that there will be open and constructive information sharing between all the relevant stakeholders, academicians, researchers and practitioners.



## INVITATION FOR PAPERS

Papers dealing with any aspect of Manufacturing, Materials, Engineering Design, Thermal Engineering, Industrial Engineering, Mechatronics, Renewable Energy and Robotics are solicited. The scientific deliberations at the conference will cover a wide range of topics in an emerging areas of Mechanical Engineering for the presentation of research results and development activities. Potential topics to be addressed in this conference include, but are not limited to the following as well.

Fluid Mechanics	Computer-based Manufacturing
Mechatronics	Technologies: CNC, CAD, CAM, FMS, CIM
Robotics	Mechanical Micro Machining
Automotive Engineering	Mechanisms and Machines
Computational Mechanics	Medical device Manufacturing
FEM Modeling and Simulation	Manufacturing Processes
Thermal Engineering	Prototyping, Remanufacturing
Lubricants and Lubrication	Friction, Wear, Tribology, and Surface Engineering
Modeling, Simulation, and Optimization	Functionally graded materials, Cellular Materials
Renewable Energies Technology	Machinability and formability of materials

## FOR WHOM

1. Students of Mechanical Engineering Programme
2. Research Scholars
3. Faculty of Mechanical, Science and Technology
4. Industry Professionals

## REGISTRATION FEES

For Students	:	INR 300 per head
For Academician & Research Scholars	:	INR 500 per head
For Representatives from Industry	:	INR 1000 per head

## REGISTRATION & IMPORTANT DATES

Abstract Case Submission	:	28.02.2022
Full Case Submission	:	02.03.2022
Notification of Acceptance and Registration	:	05.03.2022
Date of Conference	:	10.03.2022

## PUBLICATION DETAILS

Accepted and presented manuscripts will be published in special editions of various Scopus Indexed and UGC CARE listed journals according to scope of Articles.

\*Publication will amount will be intimated later

## SUBMISSION GUIDELINES

The Prepared articles shall be a maximum of 6 pages with Times New Roman font, Size 12, 1.5 lines spacing, without header and footer

The abstract shall be sent to this mail id : [ncetme2022@gmail.com](mailto:ncetme2022@gmail.com)



**ORGANISING COMMITTEE**



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Department of Mechanical Engineering  
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