

RESOURCE PERSONS

Sessions will be handled by eminent professionals from reputed Institutions/Industries

ELIGIBILITY AND SELECTION

Faculty members/Research Scholars from AICTE approved Institutions can apply. Selection is on a "First come First Serve" basis. Selection will be intimated through mail and selected participants should confirm their participation.

REGISTRATION

- No Registration fee
- Selected participants should attend the program for the entire duration.
- 80% attendance and 60% marks in assessment test is mandatory.

IMPORTANT DATES

Last Date for Registration : 03.05.2024
Selection List by E-mail : 04.05.2024

REGISTER HERE

Register through the following link
<https://tinyurl.com/SAIRAM-ISTE-RPA>

**ADDRESS FOR COMMUNICATION**

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Sairam
INSTITUTIONS

**ORGANIZING COMMITTEE**

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Chairman & CEO, Sairam Institutions

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Professor & Head
Dept. of Mechanical and Automation Engineering

Co-ordinator

Mr. P. ANBARASU
Assistant Professor
Dept. of Mechanical and Automation Engineering



ISTE SPONSORED

6 DAYS ONLINE FDP ON ROBOTICS PROCESS ON AUTOMATION

06.05.2024 to 11.05.2024



organized by

**Department of MECHANICAL AND
AUTOMATION ENGINEERING**



Sai Sairam ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | BIS/EOMS ISO 21001 : 2018 and BVQI 9001 : 2015 Certified and NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairam.edu.in



ABOUT THE COLLEGE

Sri Sairam Engineering College, Chennai, established in the year 1995 by MJF Ln Leo Muthu, Chairman of Sathagiri Educational Trust, is a non-profitable, and non-minority institution. A well-defined vision to provide world-class engineering education and highly committed mission to achieve, sustain and foster unmatched excellence in technical education with dedicated leadership facilitate Sri Sairam Engineering College to be in the best of educational institutions in the country. Since its inception, our institution has grown into a vast conglomerate of magnificent buildings, state-of-the-art and sophisticated laboratories, internet centers, modern library and a superlative sports complex—each a land mark in itself across 300 acres. The college is an Autonomous Institution from the academic year 2020-2021, affiliated to Anna University, Chennai and is also approved by the All India Council for Technical Education, New Delhi. Our students are motivated to be technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind to build a better nation through quality education with team spirit. Sri Sairam Engineering College is an ISO 9001: 2015 Certified institution and all the NBA eligible disciplines of Engineering and Management have been accredited by the National Board of Accreditation. The institution has also been accredited by the NAAC in A+ with 3.37 CGPA for a period of 5 years.

ABOUT THE DEPARTMENT

The Department of Mechanical and Automation Engineering established in the year 2021. Our Chairman and CEO ventured into the realm of providing quality

technical education and the department has been initiated to fulfil the recent Industrial requirements and developments. The department started with an intake of 60 students in the year 2021. The department has well-developed Classrooms and laboratories equipped with the latest technologies. Students are encouraged to actively participate in professional society activities like BAJA, EBAJA, EFFICYCLE, SOLARIS, SUPRA, GOKART, E-Bike and DRONE Challenge events.

ABOUT ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System.

ABOUT THE FDP

The rapid progress observed in Robotics and Automation applications has transcended various sectors, ranging from the Automation of Industrial processes to sophisticated Defence applications. This extensive reach underscores the profound impact in these fields have on shaping the landscape of intelligent systems in both industry and broader societal contexts. In the realm of Industrial Automation, Robotics and Vision technologies have revolutionized manufacturing processes, leading to increased efficiency, precision, and scalability. This transformative shift has not only elevated productivity levels but also paved the way for the integration of Smart factories and the realization of Industry 4.0 concepts.



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OBJECTIVES

- Upon Successful completion of the FDP, the learners are able to
- Understand Global and National challenges and opportunities in RPA.
 - Explore technological advancements in RPA tools.
 - Enhance stakeholders' capacity for RPA application development.
 - Share knowledge and best practices on RPA tools and software.

TOPICS TO BE COVERED (BUT NOT LIMITED TO)

- Introduction to Industry 4.0
- Smart Factory and AI in Manufacturing
- Inspection and Quality Control Automated Systems
- Robot Technology
- Digital Manufacturing
- Sensors and Transducer
- Fluid Power Automation