

PROGRAMME

- 8.30 a.m. - 9.15 a.m. - Registration
9.15 a.m. - 10.15 a.m. - Inaugural function
10.30 a.m. - 1.00 p.m. - Paper & Poster Presentations / Teaser Making
11.30 a.m. - 12.15 p.m. - Quiz (Prelims)
12.15 p.m. - 1.45 p.m. - Lunch
1.45 p.m. - 2.45 p.m. - Quiz (Final)
2.45 p.m. - 3.45 p.m. - Valedictory Function

IMPORTANT DATES

Paper Submission Details

- Online Registration for all the events - **26.04.2026**
- Submission of Full Manuscript for paper presentation & Abstract for Poster/Project Expo - **26.04.2026**
- Intimation of selection through e-mail - **28.04.2026**
- Confirmation of participation by the selected candidates (through mail or WhatsApp) - **28.04.2026**

Contact Details

Ms M SUGANYA

Convenor-Convergence 2026

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Online Registration



<https://tinyurl.com/Sairam-Convergence-2026>



ADVISORY COMMITTEE

Dr. Sai Prakash LeoMuthu
Chairman & CEO, Sairam Institutions

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Indian Institute of Technology (M)

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Presidency College, Chennai

Prof. Dr. R. Bharathi
Annamalai University (FEAT)

Prof. Dr. G. Muthuraman
Presidency College

ORGANISING COMMITTEE

Dr. S. RAMAKRISHNAN
Head of the Department
and

Faculty Members
Department of Science and Humanities



SECC12604DHS03

Sairam
INSTITUTIONS



DEPARTMENT OF
SCIENCE AND
HUMANITIES

25th State Level Symposium
Convergence
30.04.2026



Sri
SAIRAM
ENGINEERING COLLEGE
An Autonomous Institution
West Tambaram, Chennai - 44
www.sairam.edu.in



Sri Sairam Engineering College, Chennai was established in the year 1995 by Philanthropist, Educationist and Industrialist, Shri. M. Jothi Prakasam alias MJF. Ln. LEO MUTHU, Chairman and Managing Director of Sai Leo group of companies and Educational Institutions. The college is situated among sylvan surroundings in an area of more than 100 acres at Sai Leo Nagar and well within the metropolitan city limits. The location of our institution with its lush greenery is calm and conducive for excellent academic pursuits.

Our college offers Fourteen B.E./B.TECH. Undergraduate degree, one M.TECH. - 5 year Integrated degree and eight postgraduate degree programs and our institute is recognised as a Research Centre by Anna University. Most of the Programmes are accredited by NBA. More than three hundred well-qualified, experienced and dedicated faculty members are contributing towards the growth and development of this institution.

Our college is certified with IS/ISO 21001:2018(EOMS) by the Bureau of Indian Standards, holds a NAAC A+ accreditation and earned a DIAMOND rating by QS I- GUAGE. A remarkable position in the NIRF Rankings consistently. The institution has well established infrastructure facilities. Fully air-conditioned central library named as Dr. Kalam Digital Library has more than eighty five thousand books and journals in the various fields of Engineering Technology, Science and Humanities. The laboratories are well – equipped and managed by skilled technicians.

The department of Humanities and Sciences has dedicated, well qualified and research oriented faculty members. Forty nine of them possess doctoral degrees and others are pursuing their Ph.D. Students are pursuing Ph.D. through part time and full time streams with Exemplary research in diversified areas in physics and chemistry. Many of our faculty have been attending various Workshops, Seminars, Conferences, Faculty Development Programmes, Short Term Training Programmes etc., as part of our faculty improvement programme.

Sai Humsa, the Association of Science and Humanities is functioning effectively in many ways to emphasize the importance of basic sciences in the technical curriculum. It has been organising several special lectures by eminent scholars and exposing the students to industrial environment. A state-of-the-art language lab has been set up to enhance the communication skills of the students and to train them for GRE, GMAT and TOEFL.

In order to instill and nurture scientific ideas in the young minds, the Department of Science and Humanities has been organising a State level symposium "CONVERGENCE" for the past 24 years. For every edition, students in large numbers from various engineering colleges have been presenting their innovative ideas on this common platform.

Continuing this expedition, The Department of Science and Humanities has once again come forward to organize the 25th one day State Level Symposium on Thursday, the 30th April, 2026.

Paper, Poster Presentation, Teaser Making and Science Project Expo (Max. 2 Participants per Team)

Only one member should register for a team event
A student can participate in maximum of 2 events
(any one individual event and any one team event)

Quiz (Max. 2 Participants per Team)

A written preliminary round will be conducted to shortlist five teams for the final round.

TOPICS FOR PAPER / POSTER

MATHEMATICS

Paper Presentation

1. Logical Reasoning and Mathematical Strategies in Puzzles and Brain Teasers
2. Mathematical Foundations of Robotics: Algebra, Geometry and Control Basics
3. Basic Optimization Techniques and Their Applications in Daily Life
4. Understanding Google Page Rank Using Basic Matrix Concepts
5. Introduction to Cryptography: Number Theory in Secure Communication

Poster Presentation

1. Trigonometry in Navigation and GPS Systems
2. Visualization of 3D Surfaces and Their Engineering Applications
3. Data Analysis Using Excel: Visualizing Real-Life Data
4. Visualizing Calculus Concepts Using Geo Gebra
5. Graph Theory in Networks

ENGLISH

Story Telling: Unleash your voice. Create impact.

Topics:

1. Reel Talks: 30 Seconds, Infinite Impact
Select a 30-second reel and craft your own story to deliver with creativity and impact.
2. Echoes of Voices: Why English Matters?
Express the importance of English through impactful storytelling that connects with all. Working Model / Poster Presentation

Teaser Presentation

Blending creativity with modern relevance.
Duration: 1 Minute

Topics:

1. The Joy of Small Things
2. Algorithm Stories: "Are you choosing... or being chosen?"

Guidelines

Individual / Team (Max 2 participants)

TAMIL

பிற மொழிக்கலப்பில்லா பேச்சுப் போட்டி
கட்டுரைப் போட்டி
தமிழோடு வா... (பேச்சுப்போட்டி)

விதிகள்:

1. போட்டிக்கான தலைப்பு போட்டி துவங்கும் முன்னர் வழங்கப்படும்.
2. போட்டிக்கான நேரம் குறைந்தது 2 நிமிடம் முதல் அதிகப்படும் 3 நிமிடம் வரை.
3. பிற மொழிக்கலப்பு இல்லாமல் தூய தமிழில் பேச வேண்டும்.

கட்டுரையின் தலைப்புகள் :

1. தமிழ்நாடும் சமூக நீதியும்
2. பாலின சமத்துவம்
3. நான் சொல்லியே ஆக வேண்டும்

விதிகள் :

1. மேலே கொடுக்கப்பட்ட தலைப்புகளில் ஏதேனும் ஒரு தலைப்பில் மட்டும் கட்டுரை எழுத வேண்டும்.
2. கட்டுரை தமிழ் மொழியில் எழுதப்பட வேண்டும்.
3. கட்டுரையின் அளவு 400 — 500 சொற்கள் இருக்க வேண்டும்.
4. போட்டிக்கான நேரம் 1 மணி நேரம்.
5. கட்டுரை சுய சிந்தனையுடன் எழுதப்பட வேண்டும்; பிறரிடமிருந்து நகலெடுக்கக் கூடாது.
6. தீர்ப்பாளர்களின் முடிவு இறுதியானது.

CHEMISTRY

Paper Presentation

1. Machine Learning in Chemistry : Prediction of Chemical Reactions
2. Nanomaterials in Sensors and Smart Devices
3. Sustainable Futures : Green Chemistry for a Better Tomorrow
4. Next - Generation Energy Storage Materials
5. Computational Chemistry and Molecular Modeling

Working Model / Poster Presentation

1. Smart Water Solutions using AI and IOT
2. Green Chemistry: Eco-Friendly Processes for a Sustainable
3. Green Energy from Waste (Waste-to-Energy Technologies)
4. Bioplastics: The Future of Sustainable Packaging
5. Air Pollution Control and Carbon Capture Technologies

PHYSICS

Poster Presentation

1. Role of Spintronics in Future Computing
2. Role of Semiconductors, photonics & Quantum tech in renewable energy sources
3. Development of Li-Fi Technology
4. Role of Artificial Intelligence in Physics Research
5. Research Developments in Quantum Tunneling Applications
6. Eco to Electro: Biomass in Energy storage devices.

Project Expo:

1. Efficiency Enhancement Techniques in Photovoltaic Cells
2. Advances and Challenges in Electric Vehicles
3. AI-Based Predictive Systems for Disease Diagnosis
4. IoT-Enabled Smart Pollution Monitoring Systems
5. Any relevant working model related to physics may be presented, including those developed using electronics and electrical components, simulations, AI-based systems, or app-based platforms.