

IMPORTANT DATES

Submission of Full Manuscript
by mail : 30.05.2022

Intimation of selection
through e-mail : 04.06.2022

Confirmation of participation
by candidates through e-mail : 06.06.2022

Contact Details

Dr. M.K. Raman

Convenor-Convergence 2022

9444585856 / 9176145354

e-mail : convergence2022@sairam.edu.in



Sairam
INSTITUTIONS

ADVISORY COMMITTEE

Shri. Sai Prakash LeoMuthu
CEO & Managing Trustee

Dr. K. Porkumaran
Principal, Sri Sai Ram Engineering College

Prof. Dr. K. C. Sivakumar
Indian Institute of Technology (M)

Prof. Dr. L. Jones Tarcus Doss
Anna University

Prof. Dr. N.M.I. Alhaji
Bharathidasan University

Prof. Dr. D. Caleb Chanthi Raj
Loyola ICAM Institute of Technology

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 Humanities & Sciences



DEPARTMENT OF HUMANITIES & SCIENCES

21st State Level Symposium

CONVERGENCE 2022

Thursday, 09.06.2022



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 twelve B.E. / B.Tech. Under-Graduate Degree and seven Post Graduate Degree programmes and has 3 Ph.D. Research departments. 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 an ISO 9001:2015 certified and NAAC 'A+' accredited institution. The Institution has well-established infrastructure facilities. Fully Air-conditioned College Library named as Dr. Kalam Digital Library has more than Seventy Five thousand books and journals in the various fields of Engineering, Technology and Science. 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. Thirty Five of them possess Doctoral Degrees and others are pursuing their Ph.D. 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 Humanities and Sciences 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 Humanities and Sciences has been organising a State level symposium “CONVERGENCE” for the past 20 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 Humanities and Sciences has once again come forward to organize the 21st one day State Level Symposium on Thursday, the 9th June, 2022.

TOPICS FOR PAPER / POSTER

Paper, Poster Presentation and Science Project Expo

(Max. 2 Participants per Team)

Quiz (Max. 3 Participants per Team)

Surprise Event (Individual Event)

PHYSICS

Paper Presentation

- Physics links between modern warfare in High-Tech world
- Future renewable energy
- Nanomaterials and its applications
- Laser and its applications
- Photovoltaic devices

Science Project Expo

- Production of energy from waste
- Robotic science
- Smart devices

ENGLISH

Paper Presentation

- English is Eternal
- Learning multiple languages is no harm in India
- SDG's are well interlinked to attain the VISION

Poster Presentation

- Fine arts Education – Music, arts and theatre shall be revived for Social Skills
- Being Digital Nomad, the way of life
- Article 370

CHEMISTRY

Paper Presentation

- Role of chemistry in the evolution of artificial organs
- Application of Green chemistry in Engineering
- E-Vehicles Boon/Bane

Science Project Expo

- Recent trends in solid waste management
- Role of chemistry to achieve Sustainable Development Goals
- Optimisation of biodiesel production

MATHS

Paper Presentation

- Applications of Matrix Algebra
- Importance of limits in calculus
- Solution to inequalities
- Mathematical solution to Rubik's cube

Poster Presentation

- Probability theory in real time applications
- Mathematics in Nature
- Mathematics in Arts
- Magic squares

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 |
| | Science Project Expo |
| 11.30 a.m. - 12.15 p.m. | - Quiz (Prelims) |
| 12.15 p.m. - 1.00 p.m. | - Surprise Events |
| 1.45 p.m. - 2.45 p.m. | - Quiz (Final) |
| 2.45 p.m. - 3.45 p.m. | - Valedictory Function |

Note: Students who participate in Paper/Poster Presentation / Science Project Expo and Quiz/Surprise events will be presenting their Paper/Poster/Project Expo before 11.30 a.m.