

**Model Exhibit  
Individual Event**

To Prepare working Mathematical Models in any sub-discipline of mathematics and demonstrate the same to the judges.

**IMPORTANT DATES:**

Last Date for Paper Submission : 10.05.2022  
Intimation of Selected Papers : 12.05.2022  
Confirmation of participation  
by students : 15.05.2022  
**Registration (for All Events)  
closes on : 15.05.2022**

\*Spot registration NOT PERMITTED.

**Registration Link:**

<https://forms.gle/452b21KDf1wL4r7PA>



**PROGRAM SCHEDULE**

**Registration : 8.30 a.m.**  
**Inauguration : 9.15 a.m.**  
**Paper/Poster presentation : 10.00 a.m. to 12 noon**  
**Model Exhibit : 10.00 a.m. to 12 noon**  
**Quiz Prelims : 11.15 a.m. to 12.15 p.m.**  
(Students who participate in Paper presentation, Poster presentation and Quiz will be presenting their paper and poster before 11.00 a.m.)  
**Lunch : 12.15 p.m. to 1.00 p.m.**  
**Olympiad : 1.00 p.m. to 2.00 p.m.**  
**Quiz finals : 2.15 p.m. to 3.15 p.m.**  
**Prize Distribution : 3.15 p.m. to 3.45 p.m.**



**Department of Mathematics - Maths Club**

One Day Intercollegiate Mathematics Contest

**Mathophilia  
2022**



**Sai Sairam 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](http://www.sairam.edu.in)





## ABOUT THE INSTITUTION

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.

## ABOUT THE DEPARTMENT

The Department of Mathematics has dedicated, well-qualified and research oriented faculty members. Ten of them possess doctoral degrees and others are pursuing their Ph.D. programs.

Presently the department is active in the following areas of research namely Artificial Intelligence, Complex Analysis, Cryptography, Fuzzy set theory, Graph theory, Mathematical Biology, Operations Research, Stochastic Process, Differential Equations and Wavelets.

## OBJECTIVES OF THE CONTEST

To motivate and encourage students to learn additional mathematical concepts apart from the prescribed syllabus and help them understand, appreciate and enjoy applications of Mathematics in their field of study, Mathematics Club was started in the year 2006.

As part of the Mathematics Club, a One Day Intercollegiate Mathematics Contest “Mathophilia 2022” is being organized with the aim of

- ★ Stimulating interest in the learning of Mathematics
- ★ Enhancing the skill for applying Mathematics in various domains
- ★ Providing a platform for mathematically talented students to exhibit as well as test their potential
- ★ Giving opportunity for fruitful interaction between students of Science and Engineering disciplines.

## EVENT DETAILS

### Paper Presentation

#### Individual Event - Duration: 10 minutes

1. Mathematics in Space Science
2. Mathematics in Data Science
3. Application of Numerical Analysis
4. Number Theory and Cryptography
5. Application of Mathematics in Medical Imaging

### Poster Presentation

#### Individual Event

To prepare a poster and illustrate the application of mathematics with respect to any one of the following topics:

1. Cyber Security
2. Artificial Intelligence
3. Imaging Science
4. Differential Equations

### Olympiad

#### Individual Event : Duration: 60 minutes

Ten problems will be given; maximum possible number of them to be solved.

### Quiz

#### Team Event : Duration: 60 minutes

Each team to consist of two members; five teams to be selected for finals based on their performance in the prelims.