

## General Instructions

1. Number of students for each team: Not more than 2 students .
2. Eligibility Age as on 01.04.2025 : Diploma or under graduate students of age between 17 and 22 years.

Polytechnic, Engineering, Arts and Science, Commerce, Management, Agriculture, Catering, Law, Medical, Teacher Training and Fine Arts students who are interested in Astronomy and Space Science and Technology can participate. School students are not eligible.

**No Registration Fee. Email: [yassc2025@gmail.com](mailto:yassc2025@gmail.com)**

## Academic Committee :

**Dr.K.Ravikumar.** 98406 07391

Lecturer in Physics, Institute of Printing Technology Chennai,  
President, Chennai Astro Club and Academic Coordinator.

**Dr.C. Joseph Prabagar.** 97866 01577

Lecturer in Physics, Central Polytechnic College, Chennai.  
Executive Committee Member-TASS  
and Academic Coordinator.

**Dr.A.Josephine Prabha.** 94864 92931

Associate Dean of Sciences, Bishop Heber College, Tiruchirappalli,  
Advisor, Trichy Astro Club and Academic Coordinator .

**Prof.K.Sakthivel**

Advisor, Kovai Astro Club, General Council Member, TASS.

**Dr.P.Sasikumar**

Scientist/Engineer, Vikram Sarabhai Space Centre, (VSSC), Thiruvananthapuram.

**Dr.R.Chandra Mohan**

Vice President, Raman Research Foundation,  
Principal, Nachiappa Swamikal Arts and Science College, Koviloor, Karaikudi.

**Dr.K.Ravichandran**

Principal, Thanthai Hans Roever College, Perambalur.  
Secretary, Raman Research Foundation.

**Mr.B. Srikumar.** 96772 97733

State Coordinator, Ariviyal Palagai.

**Dr. D. Khanna.** 90807 76415

Assistant Professor, Karunya Institute of Technology and Sciences, Coimbatore.

**Dr. M. Rajamoorthy.** 94423 59395

Associate Professor of Physics, Government Arts and Science College,  
Jayankondam, President, Ariyalur Astro Club.

**Dr.N. Jeyakumaran.** 94435 69268

Dean Research & Associate Professor of Physics,  
V.H.N.S.N.College, Virudhunagar, President, Virudhunagar Astro Club.

**Dr. Priya Hasan**

Assistant Professor, Maulana Azad National Urdu University, Hyderabad, India.

**Dr.T. Shanmugavel.** 98652 25657

HOD , Physics Department, Mahendra Engineering College, Namakkal.

**Dr. P. Ramesh.** 94896 66102

Assistant Professor of Physics, Nehru Memorial College,  
Puthanampatti, Trichy, Executive Committee Member-TASS.

**Dr.Syed Ibrahim.** 84893 14781

Assistant Professor,  
Department of Physics, Sri Sai Ram Engineering College, Chennai.

**Mr.B.M. Muhilan** , Citizen Scientist. 75983 27724

**Dr.K. Sathish.** 86800 27285

Head & Asst.Professor,  
Swami Dayananda College of Arts & Science, Manjakudi, Thiruvavur.

## TASS OFFICE BEARERS

**Thiru. G. Ramesh, President,** 82207 42767

**Thiru. S. Balagurunathan, Vice President,** 82484 42380

**Thiru S. Sakthivel, Vice President,** 95004 36730

**Thiru. J.Manohar, General Secretary,** 94432 27724

**Ms. T. Santhi, Secretary,** 94888 09748

**Thiru SP. Sellakumar, Secretary,** 991761 75191

**Ms. D. Mekala, Treasurer,** 99867 88022

**Thiru. Udhayan, YASSC Coordinator,** 86672 19090



# Youth Astronomy and Space Science Congress YASSC - 2025

Organised By

Tamilnadu Astronomy and  
Science Society - TASS



In Association with

**The Institute of Mathematical Sciences - IMSc Chennai**

(A National Institute for Research in the Theoretical Sciences)

**Indian Institute of Astrophysics - IIA Bengaluru**

(An Autonomous Institution under the Dept. of Science & Technology, Govt. of India)

**Tamil Nadu State Council for Science and Technology - TNSCST**

(An Autonomous Body under the Dept. of Higher Education, Government of Tamil Nadu)

**Raman Research Foundation - RRF**

**Ariviyal Palagai**



## Advisory committee for YASSC-2025

**Dr. Mylsamy Annadurai**

Project Director, Chandrayan 1 & 2 & Mangalyan.  
Former Director, Indian Space Research Organisation (ISRO).

**Dr. V. Ravindran,**

Director, The Institute of Mathematical Sciences - IMSc., Chennai.

**Prof. Dr. S.Vincent**

Member Secretary,  
Tamilnadu State Council for Science and Technology.

**Dr. Nakul Parashar**

Senior Advisor, Sri Kaleeswari College.  
CEO, Shanthi Foundation Global.

**Dr. Niruj Mohan Ramanujam**

Head, SCOPE, Indian Institute of Astrophysics, Bengaluru.

**Dr. R. Ramanujam**

Professor IMSc.( Rtd.), Chennai.

**Dr. T.V. Venkateshwaran**

Visiting Professor, IISER, Mohali.

**Dr. R. Elango**

Former Scientist, Council of Scientific and Industrial Research,  
Central Electrochemical Research Institute. (CSIR - CECRI)

**Ayesha Era. Natarasan**

Science Writer, Bal Sahitya Puraskar Awardee.

**Dr. Rajendren**

Vice Chancellor, AMET University, Chennai.

**Dr. J. Princy Merlin**

Principal, Bishop Heber College, Tiruchirappalli.

**Dr. A.T. Ravichandran**

President, Raman Research Foundation, Tiruchirappalli.

**Dr. T.R. Govindarajan**

Professor IMSc, (Rtd.) KREA University, Sri City, Andhra.

**Dr. R. Samson Ravindren**

Executive Director, Mahendra Group of Institutions, Salem.

**Dr. Balaji Sampath**

Founder, Aha Guru, Chennai.

## Youth Astronomy and Space Science Congress YASSC - 2025

### Tamil Nadu Astronomy & Science Society - TASS.

The Tamil Nadu Astronomy & Science Society (TASS) serves as an umbrella organization for various astronomy clubs across Tamil Nadu. Established in 2021, TASS comprises several units, including the Kovai Astro Club, Trichy Astro Club, Chennai Astro Club, Salem Astro Club, and Madurai Astro Club, among others.

The primary objective of TASS and its affiliated Astro Clubs are to foster a scientific temper among the public, particularly targeting school and college students, through the medium of astronomy.

TASS has successfully conducted numerous public outreach programs throughout Tamil Nadu, with signature events such as the Star Party, Moon Festival, "1000 Idangalil Astronomy," Planet Festival 2024, and Scope Festival 200.

Through its initiatives, TASS has promoted the astronomy in over 3,000 locations, spanning from rural villages to metropolitan areas, including Illam Thedi Kalvi centers and universities, ultimately reaching more than 5,00,000 individuals, including students.

The TASS emphasizes astronomy education, facilitated by a dedicated group of volunteers, which includes students, teachers, professors, scientists, and astronomy enthusiasts.

We invite you to join your local District Astro Club and participate as a volunteer in any area of your interest.

The most striking feature of Astronomy is that it is the origin of all sciences and it plays a crucial role in developing interest across various branches of Science. It enhances the scientific skills and performance of the students.

YASSC, the Youth Astronomy and Space Science Congress, is designed to provide a forum for college students aged 17-22 to showcase their creativity and innovation through scientific methods.

YASSC -2025 is a State Level Congress featuring invited talks on history and achievements in Space Science by eminent scientists, researchers and science communicators from prestigious National and International Institutions.

YASSC aims to offer diverse scientific forums, allowing students to expand their knowledge and research aptitude in astronomy, space science, and recent advancements in space technology. YASSC would enable the opportunities for students to exhibit their skills through:

**Paper/Poster presentations**  
**Development of innovative space-related games**  
**E-content development on space science and**  
**notable scientists**  
**Astrophotography etc.,**

YASSC-2025 will be conducted at Regional and State levels. Outstanding projects selected at the Regional level will advance to the State-level Congress, where students will gain broader exposure and recognition.

Registration Opens :	<b>Week I of March 2025</b>
Orientation Workshop (Online) :	<b>Week IV of March 2025</b>
Interim Workshop (Online) :	<b>Week II of April 2025</b>
Last Date for Project Submission (Regional) :	<b>Week IV of May 2025</b>
Regional Level Congress :	<b>Week IV of June 2025</b>
State level Congress :	<b>Week III of July 2025</b>

Venue and Date will be updated soon

Regional level Congress	State Congress
Tirunelveli, Virudhunagar, Sivagangai, Tiruvarur, Perambalur, Cuddalore, Erode, Salem, Vellore, Chennai	Coimbatore

\* Subject to Changes

Topics: Youth Astronomy and Space Science Congress will cover all topics in Astronomy and Space Science. Some of sub themes are listed below (But not limited):

### SUB THEMES PAPER / POSTER PRESENTATION & COMPETITIONS

Paper/ Poster Presentation (Not more than 2 students per team)	Competitions
1. Indian Space Exploration : Past, Present ,and Future	<b>1. E- Content Development:</b> (For Individual)
2. Fundamental Laws and Principles of Space science	<b>Sub-Topics:</b> 1. Cosmology
3. Astronomy education	2. Indian Space Exploration : Past, Present ,and Future
4. Astrophysics and Astrobiology	3. Fundamental Laws and Principles of Space Science
5. Cosmology	4. Biography of Astronomers and Space Scientists
6. Space Food/ Space Medicine	5. Understanding the Solar System.
7. AI/ML in astronomy	<b>2. Astro Photography</b>
8. Space climate and Space debris	<b>3. Short Film Creation</b>
9. Mathematics in Astronomy	<b>4. Creation of Astro Games for Children</b>
10. Astro-Entrepreneurship /Startups	
11. Rocket and Propulsion Science	
12. Robotics in Space Science	

**If any other sub-theme based on astronomy and space science can also be used.**

Students are welcome to participate in any event. Presentations can be made in either Tamil or English. All content must be unique, innovative and original and cannot be plagiarized.

For further information and guidelines, please visit:

<https://tass.co.in/yassc-2025>

To participate, kindly register through the following link:

<https://forms.gle/QuwZdNMNLKaH49oD8>