



Society for  
Space  
Education  
Research &  
Development



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EDUCATE - INSPIRE - INNOVATE



# About SSERD

SSERD is a global catalyst to nurture curiosity, research and innovation in the Aerospace sector among the youth and empower them to transform the realm of space exploration.



## 01

### Education

To make space science accessible through immersive learning, research-based education, and public outreach.

## 02

### Inspire

To inspire and empower the next generation of scientists, engineers, and explorers with the skills and curiosity needed to shape the future of space exploration.

## 03

### Innovate

To foster innovation and invention by connecting students, educators, and researchers with real-world space challenges.

# started with a **DREAM**

- Why should space education be distant, when curiosity is so close at hand?

In 2016, as young Aerospace engineers, we noticed a deep gap in India's access to space learning. While the nation was making extraordinary strides in its missions and technology, very few platforms existed for students to explore space science beyond textbooks. Schools wanted meaningful STEM experiences, young learners wanted guidance, and the country needed a bridge between its growing space sector and its classrooms.

**Nikhitha Chadde & Sujay Sreedhar**





# Foundation

SSERD formalized its mission: to make space education accessible, immersive, and inspiring for every learner, regardless of background. The organization registered as a non-profit in 2017 and began collaborating with scientists, educators, and community groups.

## Hands-on Space Education

SSERD brought space science out of textbooks and into students' hands through interactive models, experiments, and real-world problem-solving experiences.



## Research at early stage

SSERD encouraged students to begin exploratory research early, helping them build scientific thinking, analytical skills, and confidence to pursue STEM pathways.



## Empowering the Girls in Space

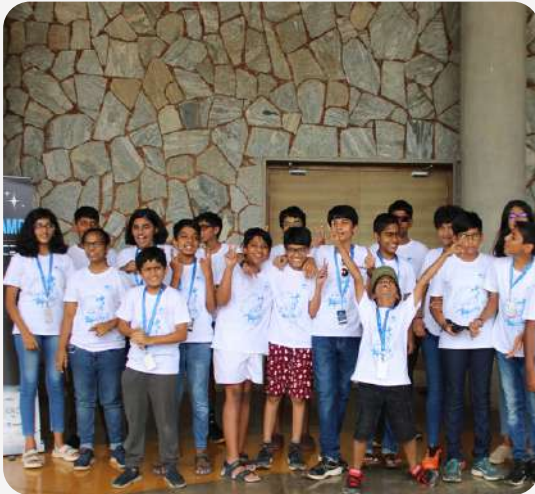
Through "Girls in Space", SSERD created opportunities and mentorship that helped girls see themselves as future space leaders in the aerospace domain.





# Key Initiatives

## Astro Space Camp



Launched in 2017, India's first Astro Space Camp, an immersive learning experience where students explored astronomy, rocketry, space technology, and research through hands-on sessions and guided night observations.

## Girls In Space



In 2018, with a focus on increasing the participation and visibility of girls in space science, "Girls in Space" encouraged young girls to imagine and pursue futures in aerospace and STEM fields.

## Cosmo Kit - CSR Program

SSERD's flagship CSR program brought hands-on space education to rural and underserved communities. The initiative was supported by leading corporates such as NAVIS, Corob, Dassault Systèmes, Oracle, Nopo Nanotechnologies, and others—enabling students to access quality STEM learning that would otherwise remain out of reach.



Impacted over 2000+ students  
Covered across 5 States





# COVID TIME

The Covid period disrupted traditional learning, but it opened a rare window for SSERD to reach students far beyond physical boundaries. With everything shifting online, SSERD expanded rapidly, delivering high-impact programs to thousands of learners worldwide. The situation, though challenging, became an opportunity to democratize space education and create deeper, wider engagement than ever before.

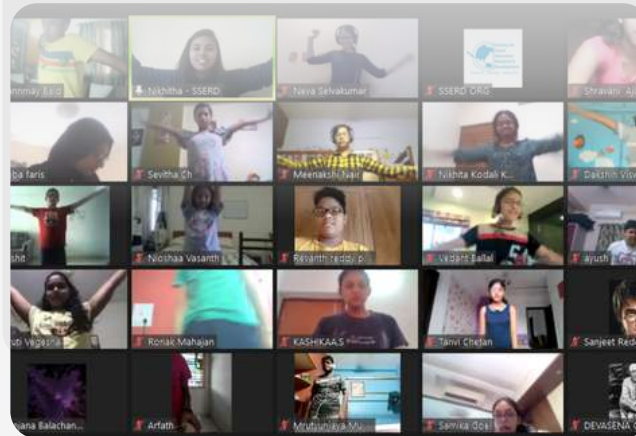
## Internship and Training for Undergrad Students

Trained 2,000+ university students over three years, many of whom are now part of leading space companies, ISRO, or have founded their own ventures.



## Online Courses

SSERD's online space courses attracted learners from 70+ countries from all grades and backgrounds, turning the platform into a vibrant global classroom for space education.



## Asteroid Search Campaign

Trained participants of all ages for analyze the real sky data, leading many to make preliminary and provisional asteroid discoveries. This gave them a rare chance to contribute directly to planetary science as citizen scientists.



# Recognition

SSERD was built by thousands of curious questions from students, the encouragement of teachers, and the conviction that India's next space scientist might be sitting in a modest classroom somewhere—waiting for the right spark.

Over time, SSERD's work expanded across India and beyond—reaching more than 1 lakh students, supporting ISRO's outreach as a Space Tutor, and designing curriculum, research programs, and international learning opportunities.

SSERD grew into a community committed to nurturing curiosity, advancing space learning, and shaping the explorers of tomorrow. Many of its students are now contributing to the growing Indian space ecosystem, carrying forward the vision that inspired SSERD's beginning.



## Best NGO Award

Received the Best NGO Award from Youth for Seva at Infosys within the first year of operations. (2018)



## Space4Youth by UNOOSA

Had our story selected by UNOOSA under the Space4Youth initiative, highlighting global relevance. (2020)



## Space Tutor of ISRO

Earned the prestigious Space Tutor recognition from ISRO, validating SSERD's contribution to space education and promotion of ISRO among the students community. (2022)

# Organisations who beleived in our Vision

SSERD has collaborated with leading organizations, universities, and corporates across India and abroad, working together on education programs, research initiatives, and outreach activities that broaden access to space learning.

OPEN COSMOS

SATSURE

KARMAN

SERA



भारतीय विज्ञान संस्थान



Indian Institute Of Astrophysics



World Space Week 4-10 October 2014



Indo-US Science and Technology Forum



A Govt of Telangana Initiative



Ideate. Implement. Inspire.



Unlimited food for education



GENEX SPACE



AGASTYA International FOUNDATION

navis®

corob

DASSAULT SYSTEMES

ORACLE



NANO TECHNOLOGIES

# Board of Advisors

SSERD is supported by experts who strongly believe in its mission and the potential of young learners. With rich experience across space science, education, and industry, they endorse our vision and contribute through their insights, encouragement, and association. Their belief in SSERD helps strengthen our initiatives and inspires us to create programs that are impactful and future-ready.



**Sudheer Kumar N**



**Dr. Margarita Safonova**



**George Gabrellie**



**Dr. Sujatha Ramdorai**



**Shравan Shetty**



**Dr. Swati Mohan**



**Suraj Thellakula**



## Next Decadal Vision

# Space Experience Center

The Space Experience Center will serve as an interactive hub where students can explore astronomy, rocketry, and space technology through immersive, hands-on learning. Beyond experience, it will grow into a center for student-led research, bridging the gap between industry needs and emerging talent.

The space will evolve into a vibrant ecosystem for innovation, enabling collaborations with global institutions and positioning itself as an international hub for future-ready space exploration and innovation.

# SEC





SUPPORT US

# JOIN THE MOVEMENT

Help us take space science to underprivileged communities and empower girls to lead in aerospace.

**CSR DONATION**



**VOLUNTEER**

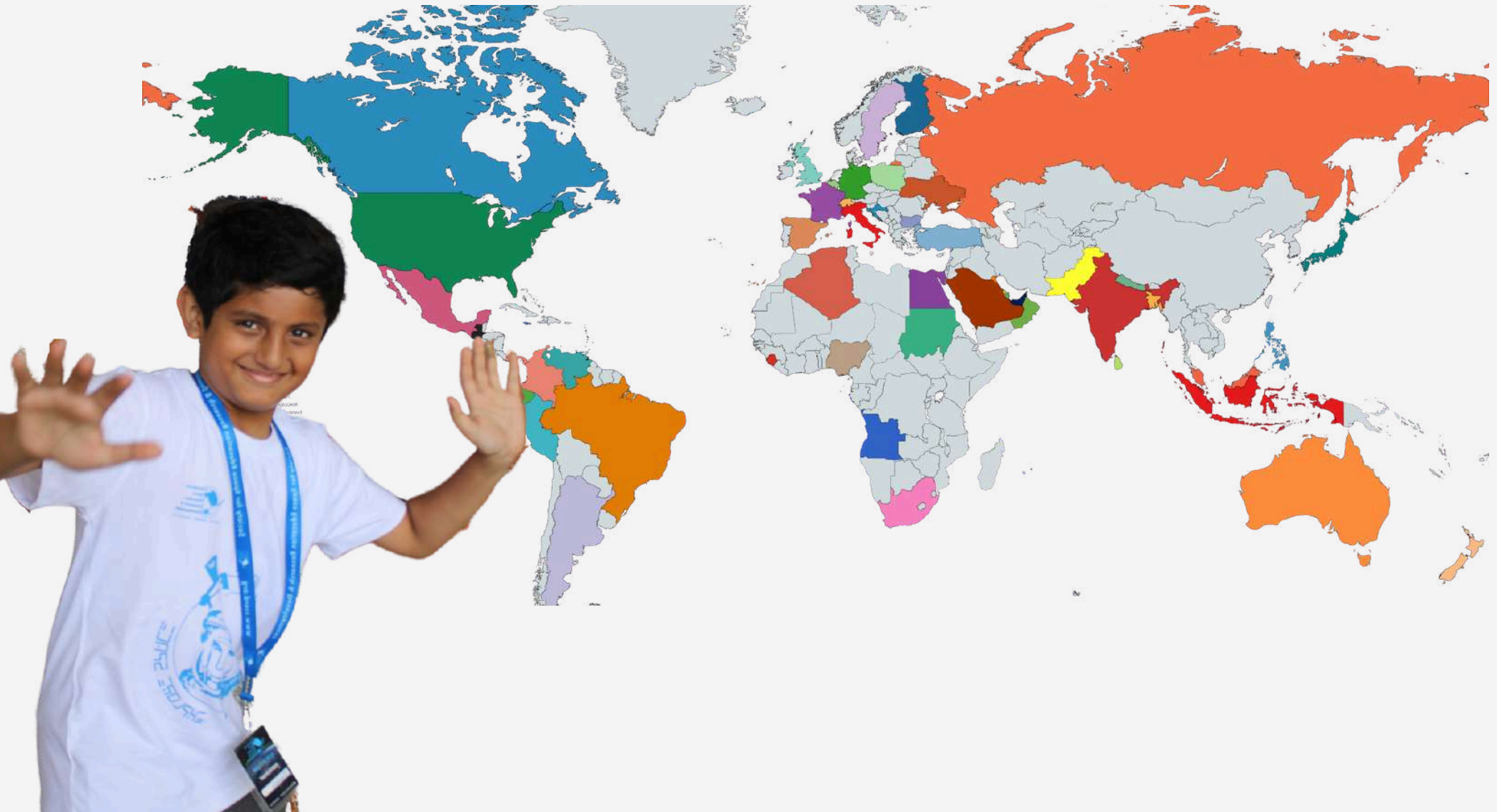


**PARTNER**



# Students Impacted

75+ Countries



- ✓ 12A
- ✓ 80G
- ✓ FCRA



# Join Hands

With us to provide a platform to future space explorers

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