



SEDS VIT
VIT Vellore Institute of Technology

SEDS India

ABOUT SEDS

SEDS or Students for Exploration and Development of Space is an International Student Chapter founded at MIT. Currently, it has branches in the US, India, Canada, UK and eight other countries worldwide. It is an independent non-profit organization that promotes and contributes to the exploration and development of space sciences. It envisions a future for space technology which can only be realized if the youth are empowered with the knowledge to think, innovate and design.

SEDS VIT is the headquarters of SEDS India. SEDS enables students to learn and discuss various space-related topics, follow developments in space technology, understand the importance of exploration and research in this field and popularize space sciences in the country among students and the people. It encourages its members to explore and learn by providing them with various opportunities like conducting various knowledge sessions, conferences, fests, hackathons, etc. and equipment such as telescopes, binoculars, software, etc.

OUTREACH

The learning cycle of a person completes when they impart their knowledge gained, back to society. We at SEDS Outreach are trying to do the same. We are a group of space enthusiasts who besides acquiring knowledge, teach primary, secondary and higher secondary students, the various aspects of Space Sciences. We work to spread awareness regarding Space Explorations and Astronomy. Currently, we are working on establishing Space Clubs in schools in and around Vellore. These schools, under the OneSpace Initiative, are exposed to the latest curriculum in Astronomy and Space Sciences. SEDS Outreach members are passionate space enthusiasts who skillfully explain the concepts of these complex topics to school students. They break down these concepts to a fundamental level and make sure that through interactive sessions the students understand everything that is taught to them.

ANTARIKSH

The OneSpace Initiative, of SEDS India, lives by the motto of educating young minds about the wonders of Astronomy and Space Sciences. To accomplish this, SEDS-VIT introduced Antariksh, a one-day space-themed fest, for all those whose curiosity knows no bounds.

Most of us in our childhood have looked up to the sky and have been appalled by its amazing yet mysterious beauty. All of us have questioned How did we get here? Are we alone in this universe? Antariksh is the place where students can solve and understand those mysteries. Previous iterations of Antariksh have attracted a lot of school children aspiring to know more about astronomy-related events. The primary motive of organizing Antariksh is to inculcate interest in Astronomy and Space Sciences in these young minds, hence providing them with a platform to grow, explore and showcase their skills for the betterment of the society. It is not only an amazing and fun learning experience for the kids but also for the organizers, who work around the clock to pull off such an event packaged with interactive talks, presentations, outdoor activities, competitions, and workshops.

ABOUT ANTARIKSH '19

Antariksh 2019 is focussed on the theme 'The Next Step: Future Advancements in Space'

While last year, we focused on the developments and achievements of India in space, this time, we have decided to broaden the horizons and go beyond our nation's boundaries. Private companies such as SpaceX revolutionizing rockets by landing reusable booster rockets or Virgin Atlantic and Blue Origin competing to be the first to make space tourism a reality have changed the face of Space Exploration forever. Also, government agencies such as ISRO planning its first manned mission in December of 2021 has given huge impetus to the idea of investment in space exploration and technology in developing nations. Given these events, the next few decades could very well be the defining years in paving a path to making mankind an interstellar species. With this idea in mind, to awaken the curiosity of the school students and increase their awareness on these topics, SEDS-VIT has planned exciting and engaging events and workshops in Antariksh '19.

GALLERY



GALLERY



EVENTS AND WORKSHOPS

1. Annual Space Competition (Mini Hackathon for G1/G2) - Students are given real life problem statements and have to devise creative and innovative solutions for them. For presentation of their ideas, students are encouraged to bring working models, simulations etc.
2. Space Quiz (G1) - A fun and thrilling quiz for the young participants consisting of multiple rounds such as audio-visual, buzzer, connect the images etc.
3. Debate (G2) - A platform for the senior participants where they present their arguments for/against and discuss controversial and philosophical scientific topics.
4. Essay Writing (G1/G2) - A competition where the participants unleash their inner creativity on a sheet of paper.
5. Workshops - Planeterium sessions, Solar Astronomy (Telescopes and Binocs), Planet Stations, Air Rocketry, Morse Code Game, Galactic Heist and much more...

G1 - Classes 5th, 6th and 7th

G2 - Classes 8th, 9th and 11th

**“AN INVESTMENT IN KNOWLEDGE
PAYS THE BEST INTEREST.”**



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ANTARIKSH '19



20th October, 2019



VIT, Vellore



Chief Patron

Dr. G. Viswanathan
Chancellor
Vellore Institute of Technology

Patrons

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Vice President
Vellore Institute of Technology

Dr. Sandhya Pentareddy
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