



RENAISSANCE 4.0

INTERNATIONAL SPACE CONVENTION 1.0



NOVEMBER 13 - 15, 2025
UPES, Dehradun



**INDIAN
SPACE
ASSOCIATION**
Bhumandal Se Brahmaand Tak



IN-SPACE



SIA INDIA
An association for space industry



ABOUT US

Infinity Space Club, established in 2014 under the expert guidance of the Department of Aerospace Engg. UPES, is an organization that focuses on creating a community of space science enthusiasts in India.

India and creating a global link with other organizations world-wide. Over the years through many events, lectures, olympiads and observation sessions, Infinity Space Club has been able to impart the knowledge of Astronautics into many young minds and aims to do much more.



Renaissance launched by Infinity Space Club in 2018, has quickly grown into a premier platform for bringing together industry, researchers, and academia, to deliberate on emerging challenges, innovations, and future opportunities in aerospace and space technology.

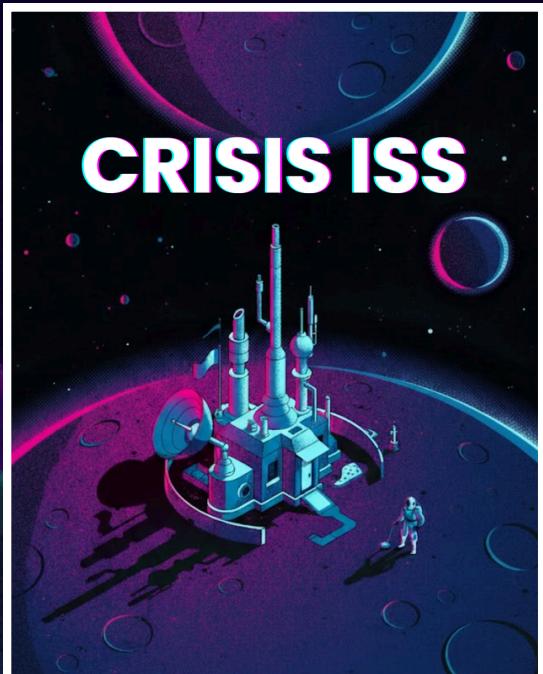
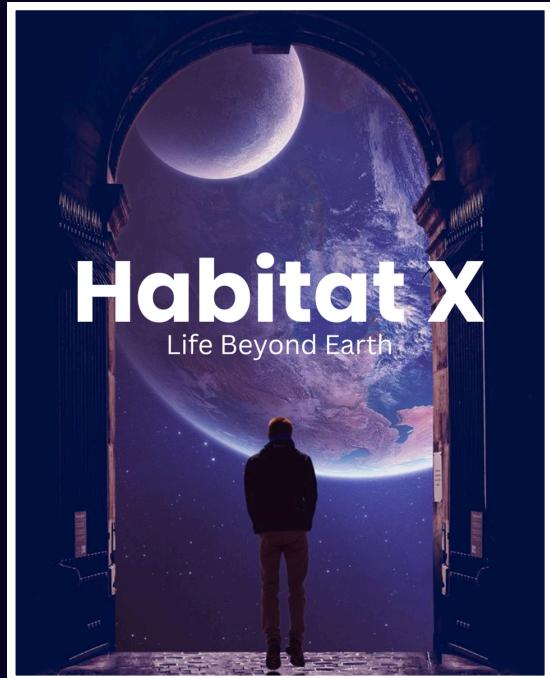
Renaissance 3.0, saw participation from over 600 participants from scientific and student community, and organized in collaboration with ISRO and ISPA. The event was graced by the presence of distinguished guests including Dr. G. Satheesh Reddy (Former Scientific Advisor to Raksha Mantri), along with several Directors from DRDO and ISRO laboratories. With its strong emphasis on international collaboration, Renaissance continues to shape the future through knowledge-sharing and thought discussions.

FLAGSHIP EVENTS

HabitatX showcases a futuristic, self-sustaining habitat for space missions, blending technology and nature through biomimicry, renewable energy, and AI regulation. Presented as a simulation, it envisions sustainable human life on the Moon or Mars and inspires innovation in eco-engineering for space.

Prizes:

- 1st Place – ₹5,000
- 2nd Place – ₹3,000
- 3rd Place – ₹2,000



Crisis ISS is an intense simulation where participants act as astronauts handling real-time International Space Station emergencies like power failures or oxygen leaks. It tests teamwork, quick thinking, and problem-solving under pressure, ending with a quiz on ISS systems.

Prizes:

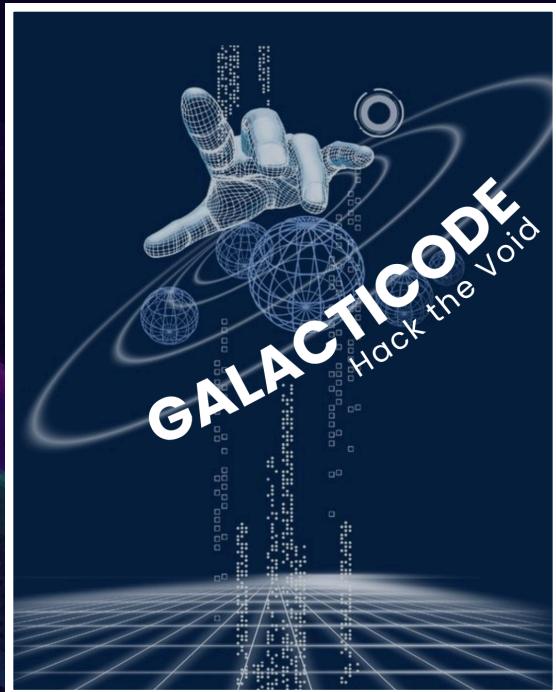
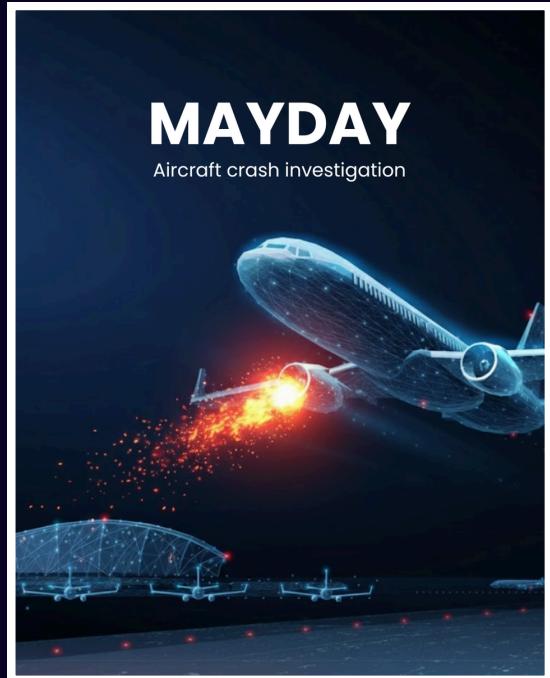
- 1st Place – ₹5,000
- 2nd Place – ₹4,000
- 3rd Place – ₹3,000

FLAGSHIP EVENTS

Mayday! – Air Crash Investigation challenges participants to act as investigators solving air crash cases. Using clues like black box data, weather reports, and logs, teams analyze causes and present findings with evidence. The event tests analytical thinking and teamwork in uncovering aviation mysteries.

Prizes:

- 1st Place – ₹6,000
- 2nd Place – ₹5,000
- 3rd Place – ₹4000



GalactiCode – Hack the Void is a space-themed hackathon where participants design game logic and algorithms for challenges like space survival, AI navigation, and mission simulations. It tests creativity, coding skills, and problem-solving, inspiring innovative ideas for space-themed games.

Prizes:

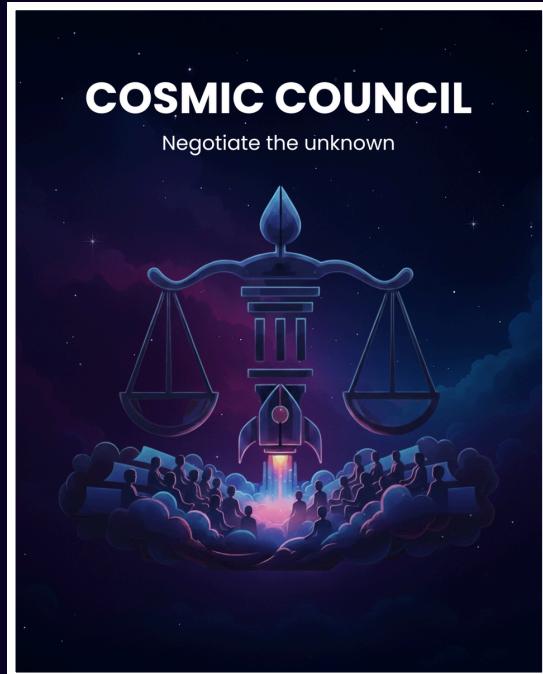
- 1st Place – ₹5,000
- 2nd Place – ₹4,000
- 3rd Place – ₹3,000

FLAGSHIP EVENTS

Cosmic Council – Negotiate the Unknown is a two-day space-themed MUN where delegates debate space policy, technology, and sustainability. Participants draft resolutions and strategies, honing diplomacy, negotiation, and public speaking skills. Explore the future of global space collaboration!

Prizes:

- 1st Place – ₹5,000
- 2nd Place – ₹4,000
- 3rd Place – ₹2000



IGNITOR

Pitch. Propel. Pioneer.



Ignitor is a startup pitching event where participants present innovative aerospace ideas to industry experts and investors. Teams showcase solutions in propulsion, satellites, UAVs, or space tech, highlighting feasibility and market potential. The event offers mentorship, feedback, and exposure to kickstart future aerospace ventures.

Prizes:

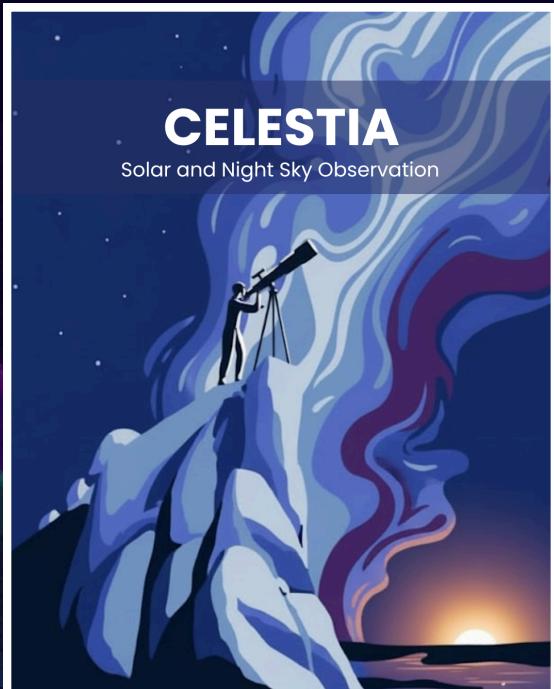
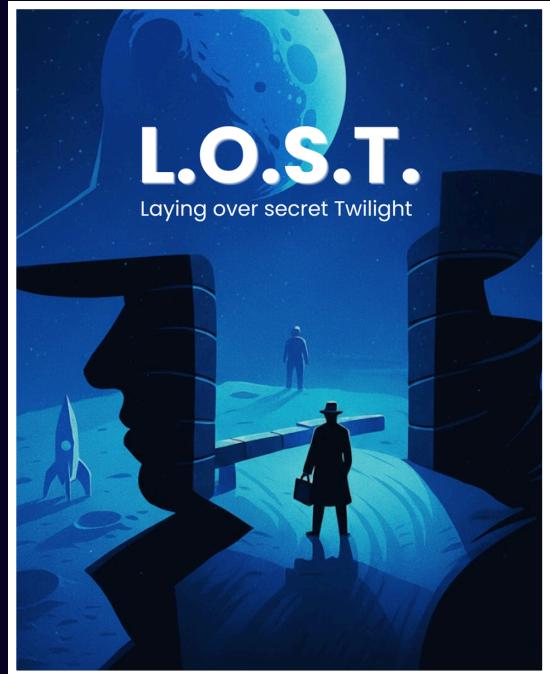
- 1st Place – ₹5,000
- 2nd Place – ₹4,000
- 3rd Place – ₹3,000

FLAGSHIP EVENTS

L.O.S.T (Laying Over Secret Twilight) is an interstellar scavenger hunt where teams solve space-themed clues and puzzles across campus. Participants race against time, testing their knowledge, logic, and teamwork to uncover the final “lost” location. A thrilling adventure combining fun, learning, and cosmic challenges!

Prizes:

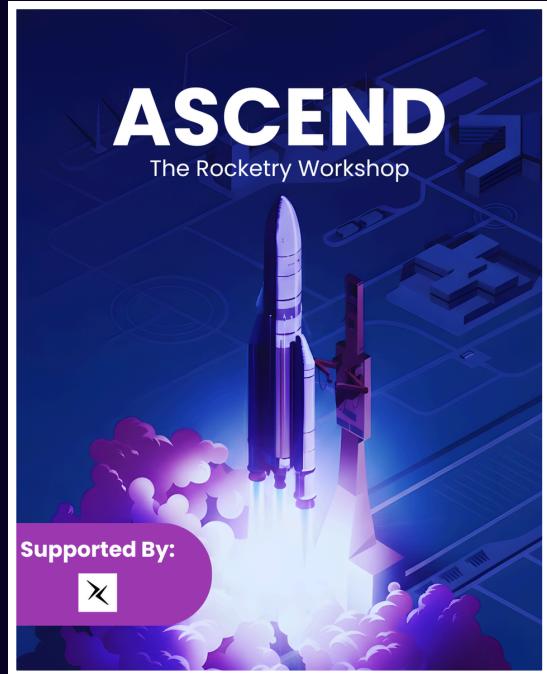
- 1st Place – ₹5,000
- 2nd Place – ₹3,000
- 3rd Place – ₹2000



Celestia is an immersive astronomy experience where participants explore the wonders of the universe using high-powered telescopes to observe the Sun, stars, planets, and distant galaxies. The event also offers astrophotography sessions and interactive discussions with experts, providing insights into space phenomena and recent missions. Celestia combines observation, learning, and cosmic exploration to inspire curiosity and a deeper appreciation for the cosmos.

WORKSHOPS

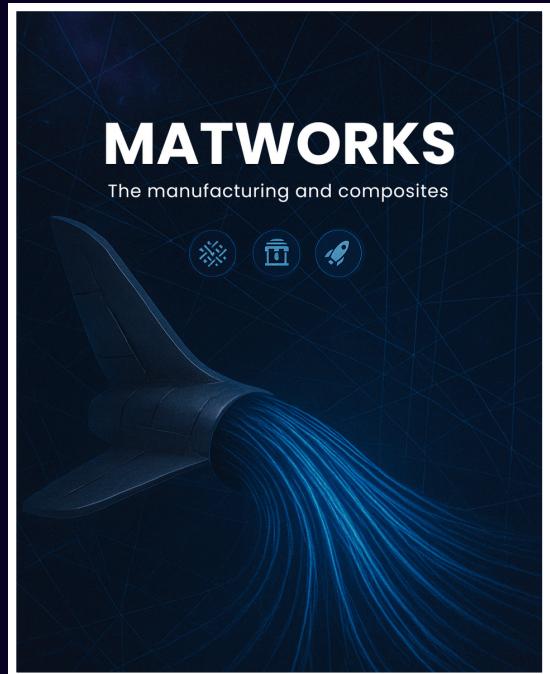
Ascend is an interactive workshop where participants explore rocketry fundamentals, including design, propulsion, aerodynamics, and flight dynamics. Guided by experts, they build, simulate, and test model rockets, optimizing for stability and trajectory. The workshop culminates in exciting rocket launches, offering hands-on learning and inspiring a passion for aerospace engineering. A perfect opportunity to turn theoretical knowledge into real-world aerospace experience.



Flight Factor is an engaging workshop where participants learn the principles of aerodynamics, lift, drag, and flight stability. They then design and craft model aircraft using lightweight materials, applying their knowledge to optimize wing design, weight distribution, and balance. The workshop culminates in test flights, encouraging experimentation, problem-solving, and creativity, offering a hands-on experience in aerospace design. A perfect chance to see your ideas take flight!

WORKSHOPS

Matworks is an interactive workshop offering a understanding of advanced composite materials and their manufacturing. Participants learn about material types, properties, fabrication techniques, and aerospace applications in theory sessions, then gain hands-on experience with lamination, molding, and testing in the lab. Matworks bridges theory and practice, equipping participants with skills in composite design and manufacturing while fostering technical expertise.



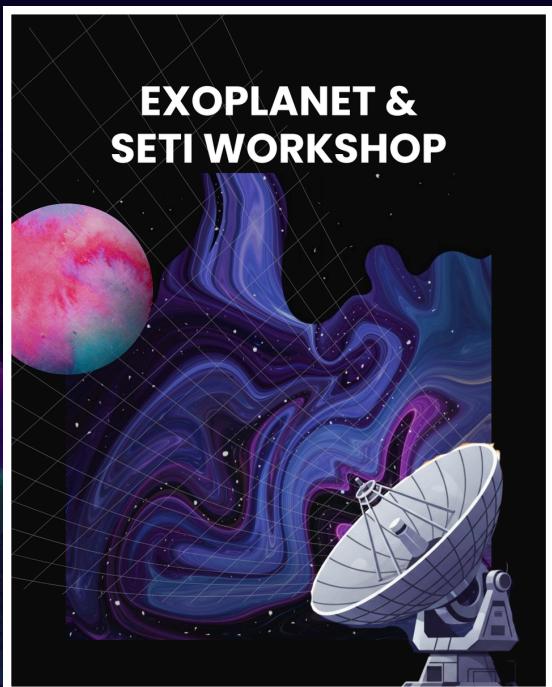
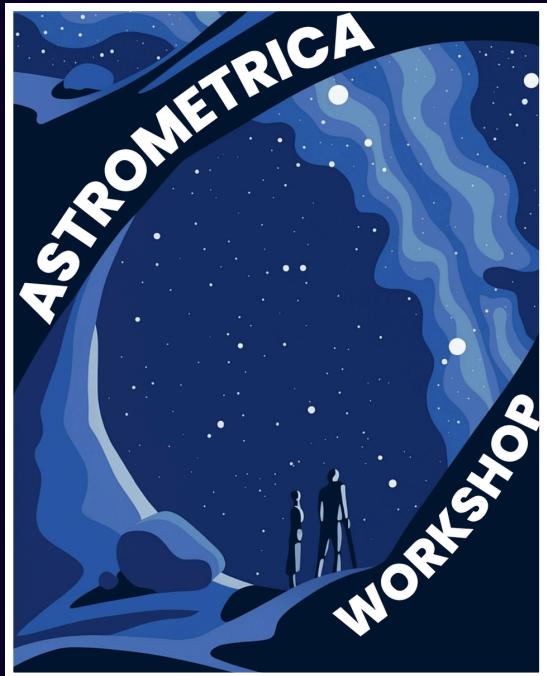
CANSAT WORKSHOP



CanSat Workshop is a hands-on event where participants design, build, and deploy miniature satellites, simulating real space missions. They plan components like payloads, sensors, power systems, and recovery mechanisms, validate designs through lab testing, and monitor performance during a mission simulation. The workshop emphasizes problem-solving, teamwork, and practical aerospace engineering, preparing participants for real-world space projects.

WORKSHOPS

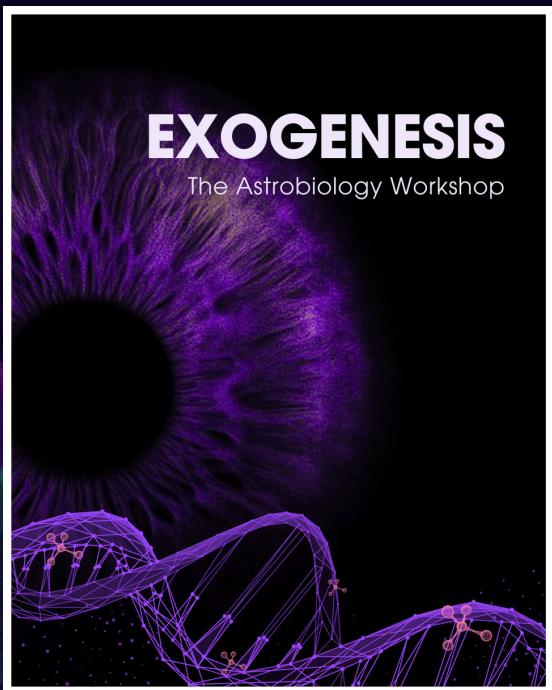
Astrometrica + Exoplanet and SETI Workshop is a two-part immersive learning experience that allows participants to explore the universe through professional techniques. The first part focuses on astrometry, teaching participants how to track and analyze celestial objects, measure their positions, and understand their motion with precision. The second part delves into the exciting realm of exoplanet discovery and the Search for Extraterrestrial Intelligence (SETI).



Participants will learn methods to detect exoplanets, analyze real astronomical data, and explore signals that could indicate extraterrestrial activity. The workshop emphasizes critical thinking, and data analysis, offering a unique opportunity for participants to experience authentic astronomical research. It inspires curiosity and a understanding of the science behind stars, planets, and the ongoing quest to answer one of humanity's biggest questions: Are we alone in the universe?

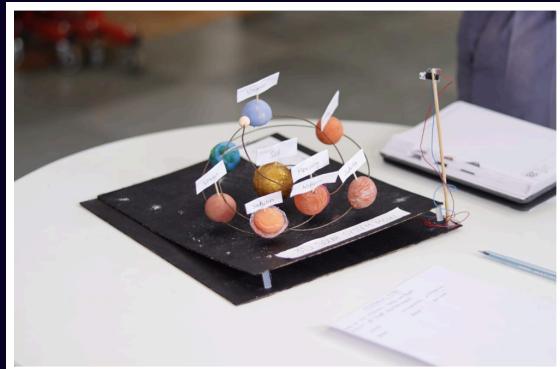
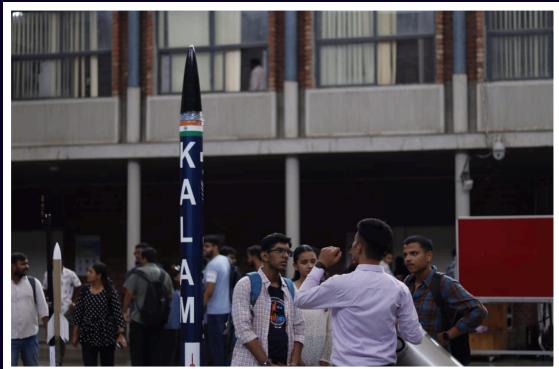
WORKSHOPS

ScopeX is a hands-on workshop where participants learn telescope design and optics by building their own functional telescope. Covering concepts like lens alignment, magnification, focal length, and light gathering, participants apply theory to assemble and align their telescopes. They then observe stars, planets, and other celestial objects, enhancing practical skills, and astronomical understanding. By the end, attendees gain both a working telescope and a deeper insight.



Exogenesis is an immersive workshop exploring the origins of life on Earth and the search for life beyond our planet. Participants study astrobiology, including extremophiles, planetary habitability, and biosignature detection, through discussions, case studies, and interactive activities. The workshop emphasizes on scientific inquiry, and hands-on learning, inspiring curiosity about life in the universe and preparing participants for future studies in space biology.

SPACE EXHIBITION



Space Exhibition is a captivating showcase that brings the wonders of space exploration, astronomy, and aerospace technology to life. The exhibition features interactive displays, scale models of spacecraft and satellites, virtual reality simulations, and informative panels on space missions, celestial phenomena, and cutting-edge research. Visitors can engage with hands-on experiments, observe real meteorites, and learn about innovations in propulsion, robotics, and space habitats. Designed to educate and inspire, the Space Exhibition offers a unique opportunity for students and enthusiasts to explore the universe, understand humanity's journey into space, and spark curiosity about the future of space science and technology.

REGISTRATION DETAILS

Category	Cost(Rs.)
General	2500
General, Without Accommodation	1500
UPES Students	
With Food	1500
Without Food	1000
Infinity Members	
With Food	1000
Without Food	500

ORGANIZING COMMITTEE

Convener

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Dr. Ramesh Kumar Donga
Dr. Saurabh Bharti
Dr. Kirtiman Singh
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Infinity Space Club



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