

# SPACE STARTUP CONFERENCE

Presented by:



In association with



# Our Objective

**Our objective is to introduce students to opportunities to work in space technology. The new push for space technology privatisation has led to the blooming of many new enterprises who are looking for new talent willing to innovate and take risks. We believe this would be a great event for you if you are an enthusiastic and motivated individual who is striving to make a difference in society using technology.**

## About Our Event:

**IIST IEEE EdSoc Chapter is inviting you to expand your horizons of innovation at the Space Startups conference at IIST, Valiamala. Various startups in space technology will be visiting IIST for an event held on the 8th and 9th of October 2022.**

**On the above days of the event, we have organised conferences to encourage the exchange of ideas and innovation among the sharpest minds leading their own enterprises striving to make a difference in society with the dawn of private space technology in India.**

**We are also organising an exhibition with the startups in the evening to facilitate individuals to network with these startups. We hope to attract enthusiastic and motivated individuals who would like to join these startups on their journey.**

**We are also conducting a workshop on Structural simulation and design with Solidworks on 8th October 2022 and Synthetic Aperture Radar processing on 9th October 2022.**

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# IEEE EdSoc:



**The IEEE Education Society (EdSoc) was founded in 1957 and is one of the oldest technical societies in the IEEE. EdSoc is an international organization that promotes, advances, and disseminates state-of-the-art scientific information and resources related to the Society's field of interest and provides professional development opportunities for academic and industry professionals.**

## OUR PARTNER:

### GALAXEYE



**GalaxEye is a SpaceTech startup aiming to shape the future of Satellite Image Acquisition by providing the Most Meaningful Dataset from Space. Founded in 2020, the venture spun out of Team Avishkar Hyperloop, IIT Madras, and is now building an advanced constellation of Earth Observation Satellites.**

**These satellites will be the world's first hybrid sensor imaging satellites, equipped with their unique "Drishti Sensor", providing all-time all-weather high-resolution datasets. The goal is to enable businesses and governments to make efficient and data-driven decisions based on insights from satellite imagery.**

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# STARTUPS

## Inspecity

Inspecity is a startup getting incubated in the Society for Innovation and Entrepreneurship (SINE) at the Indian Institute of Technology, Bombay.

The company nurtures lofty goals of building the first Indian city in space.

The city would be a cylindrical structure with a commensurate rotational speed for establishment of artificial gravity on the surface.



## SpaceAura

Reimagining Space Tourism from India for the world. Space Tourists will travel to the edge of space reaching 100,000 feet altitude sitting inside a spacious and luxurious Spaceship SKAPI. The Spaceship SKAPI flight will be using a high-performance high altitude balloon system.

SPACE AURA

## Pixxel Space India Pvt Ltd

Pixxel is a space data company, building a constellation of hyperspectral earth imaging satellites and the analytical tools to mine insights from that data. The constellation is designed to provide global coverage every 24 hours, with the aim of detecting, monitoring and predicting global phenomena.

pixxel

## Skyroot Aerospace

Skyroot Aerospace was formed in July 2018 by former Indian Space Research Organisation scientists Pawan Kumar Chandana, and Naga Bharath Daka. Skyroot has initially raised \$4.3 million, including from space and defence contractor Solar Industries. The company has been developing its first launch vehicle, the "Vikram I," which is on track for its initial launch around the end of 2022.



## SSPACE, IIST

**SSPACE** is IIST s' student satellite development team. At Small-Satellite Systems and Payload Centre (SSPACE), we develop small-scale satellites (majorly Small-Sats), sounding rockets, and launch vehicles

**SSPACE** has successfully launched **INSPIRESat-1**, which was developed in collaboration with **LASP, NTU** and other international institutions. Currently there are 4 satellites under development, **AHAN, PILOT MANAS, and INSPIRESat-3**.



## Grahaa Space

**Grahaa Space** is on a mission to provide on-demand, near real-time geospatial videos of any given location on earth, captured and streamed through our advanced constellation of earth observation nano satellites. Our patent-pending technology with edge computing capability enables on-board processing and transmission of the video data on-demand to public and private organizations through our secure AI powered web portal.



## InterCosmos Space Exploration Technologies

**InterCosmos** building the last mile transportation systems for Earth orbits and beyond using our proprietary non-toxic, human friendly propulsion systems which is a rapidly growing \$30 billion dollar market.



## OrbitAID Aerospace Pvt Ltd

**OrbitAID** is developing in-orbit refueling technology for satellite life extension and building orbital Fuel Station in Space.



## Vashishtha Research Pvt Ltd

**Vashishtha Research Private Limited, Trivandrum**, strives to develop indigenous technologies in the field of Robotics, Non-Destructive Testing and Filament Winding Technology to support the emerging Aerospace Industry in India



# TIMELINE

**8th OCTOBER**

**Opening ceremony**

**01**

**9:45 – 10:00**

**Conference**

**02**

**10:00 – 12:00**

**Q & A Session**

**03**

**12:15 – 13:00**

**Exhibition**

**04**

**14:30 – 17:00**

**Structural Simulation  
workshop**

**05**

**16:00 – 18:30**

**9th OCTOBER**

**Conference**

**06**

**10:00 – 12:00**

**Q&A Session**

**07**

**12:15 – 13:00**

**Exhibition**

**08**

**14:30 – 17:00**

**SAR Processing  
workshop**

**09**

**16:00 – 18:30**

# CONFERENCE

**8th**

**October**

- **Inspecity**
- **Pixxel Space India Pvt Ltd**
- **Vashishtha Research**
- **OrbitAID Aerospace Pvt Ltd**
- **Grahaa Space**

**9th**

**October**

- **SSPACE**
- **Space Aura**
- **InterCosmos Space**
- **GalaxEye**
- **Skyroots**

## Structural Simulation Workshop

**Workshop on Structural Simulation and Design**

**with Solidworks by SSPACE is being held on 8th October at**

**16:00 hours – 18:30 hours**

## SAR Processing Workshop

**SAR processing workshop is being held on 9th October at**

**16:00 hours – 18:30 hours**

# VENUE

**Indian Institute of Space Science and Technology**

**Valiamala P.O., Thiruvananthapuram – 695 547**

**Kerala, India.**

# QUESTIONS? CONTACT US.

**Murtaza Hamid, IIST IEEE EdSoc Chair: +91 85000 72152**

**Reetika, IIST IEEE EdSoc Vice Chair: +91 77104 296564**

