

**Astronautical Society of India**  
Cordially invites you to the grand finale of  
**IN-SPACE CANSAT India Student Competition**



featuring  
**INDIA's first of its kind**

**STUDENT CANSAT LAUNCH COMPETITION**

Pioneering the skies | Launching CANSAT's with drones

आत्मनिर्भर भारत

Event Dates  
**April 16-17, 2024**

Venue  
**Vivenza by Gopi Farm**

Registrations open !!!

Chief Guests

**Dr Pawan Goenka**

Chairman IN-SPACE

**Shri S Somanath**

Chairman ISRO | Secretary DOS | President ASI

Organised & Conducted by



**AAKA** SPACE STUDIO

**IN-SPACE**



**Venue** - Vivenza by Gopi Farm & CANSAT event ground,  
Near Sardar Patel Ring Rd, Sentossa Greenland, Ognaj,  
Ahmedabad, Gujarat 380060

Media Partner



# CANSAT Student India Competition

## About CANSAT

The IN-SPACE CANSAT Student Competition is being organized by Astronautical Society of India, to inculcate the space science and technology temperament among the student community. This competition involves the design, development & launch of a CAN sized satellite to an altitude of 800 meters to 900 meters above the launch site. The competition will also help to create a wide scale ecosystem for Swadeshi Space activities in the country and bridge the industry academia skillset gap thereby enabling the future space force creation for the AatmaNirbhar Bharat.

## CANSAT Student India Competition Brief

CANSAT India mission criteria include developing a CANSAT that weighs less than 0.700 kg (+/- 0.050 kg) and has dimensions no more than 0.125 m in diameter and 0.310 m in height. The main goals are to activate the descent control system at 500 meters above sea level, incorporate a novel mechanical gyro-control system for descent control, and make sure the CANSAT survives the mission while sending data to the ground station via telemetry link. Launched to an altitude of 800.0 m to 900.0 m, CANSATs will be deployed close to the peak altitude and will eject with an uncontrolled orientation.

Achieving optional goals like creative descent trajectory control, inventive materials, more sensors and communication systems, video recording from separation to touchdown, creative recovery strategies like HAM radio or sophisticated beacons, and creative quality and reliability analysis methodologies will earn extra points. Teams are shall suggest new methods within predetermined power, mass, and cost limits.

### MISSION REQUIREMENTS for CANSAT INDIA:

Design a CANSAT weighing under 0.700 kg (+/- 0.050 kg), with dimensions not more than 0.125 m diameter and 0.310 m height. The objectives for the 2022-23 competition will be:

- **Innovative Mechanical Gyro-control** system that shall demonstrate the descent control of the CANSAT.
- **CANSAT descent control system** that shall open at an altitude of 500 m.

CANSATs will be launched to an altitude of 800.0 m to 900.0 m from the ground level and above the launch site & deployed near the peak altitude. During ejection the orientation of the CANSAT is not controlled. The CANSAT must remain intact during the course of the entire mission and send the data to the ground station through a telemetry link.

### Competition Statistics

Total Teams Applied - **82**

Total Teams Qualified  
in PDR - **40**

Total Teams Selected  
for Finals by a Jury Panel - **27**

## Participating Teams



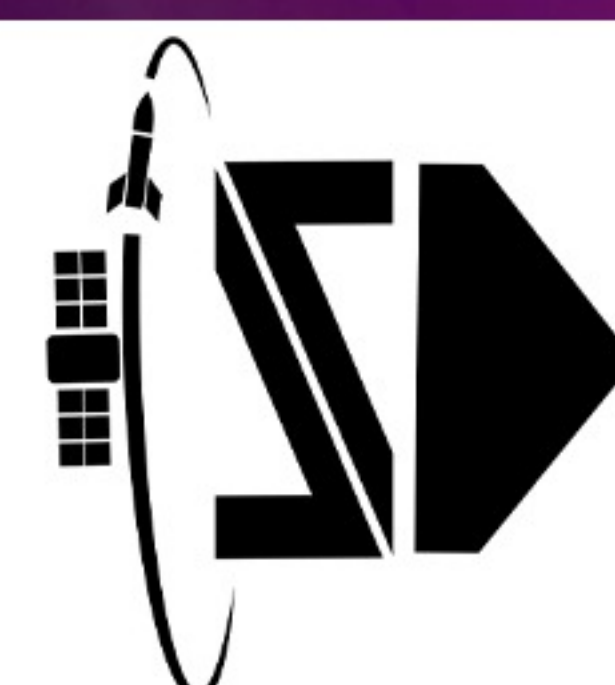
2022ASI-002  
ASTROPEEP



2022ASI-003  
ASTRAL



2022ASI-005  
VINIDRA



2022ASI-006  
STAR DUST



2022ASI-008  
V-SAT

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)

mail : [asindia.org@gmail.com](mailto:asindia.org@gmail.com), [asi@ursc.gov.in](mailto:asi@ursc.gov.in) | website : [www.asindia.org](http://www.asindia.org)

# CANSAT Event Sponsorships

| <b>Platinum</b><br>Sponsor<br>5 Lakh                                                                                | <b>Diamond</b><br>Sponsor<br>3 Lakh                                                | <b>Gold</b><br>Sponsor<br>1 Lakh                                                   |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Logo on Stage Backdrop                                                                                              | Logo on Stage Backdrop                                                             | Logo on Stage Backdrop                                                             |
| Complimentary Delegates<br>8 Persons (Food Included)                                                                | Complimentary Delegates<br>6 Persons (Food Included)                               | Complimentary Delegates<br>4 Persons (Food Included)                               |
| Stall Area in Dome Exhibit<br>upto 21 Sqm (Stalls at the entrance)                                                  | Stall Area in Dome Exhibit<br>upto 18 Sqm (Stalls at corners)                      | Stall Area in Dome Exhibit<br>upto 9 Sqm (1 Stall as per request)                  |
| Sponsor Promo Video<br>Upto 4 mins                                                                                  | Sponsor Promo Video<br>Upto 2 mins                                                 | Sponsor Promo Video<br>Upto 1 min                                                  |
| Personal Banner/Flex Provision<br>Upto 10 (banner sizes as per the event organiser)                                 | Personal Banner/Flex Provision<br>Upto 6 (banner sizes as per the event organiser) | Personal Banner/Flex Provision<br>Upto 4 (banner sizes as per the event organiser) |
| Seat Allocation in the<br>VIP/Dignitaries Zone during the<br>event                                                  | Seat Allocation in the<br>VIP/Dignitaries Zone during the<br>event                 | Seat Allocation in the<br>VIP/Dignitaries Zone during the<br>event                 |
| Media Coverage                                                                                                      | Media Coverage                                                                     | Media Coverage                                                                     |
| Guest talk in the Plenary (10 mins)<br>Memento by Guest of Honour<br>Vote of thanks &<br>Memento by Guest of Honour | Vote of thanks &<br>Memento by Guest of Honour                                     | Vote of thanks &<br>Memento by Guest of Honour                                     |



**Exciting Recruitment Opportunity for Indian  
Space Industry from CANSAT Teams**



## Participating Teams



2022ASI-009  
VIHANGA



2022ASI-011  
AVINYA



2022ASI-012  
MGM CANSAT



2022ASI-015  
VISHWASHANTI



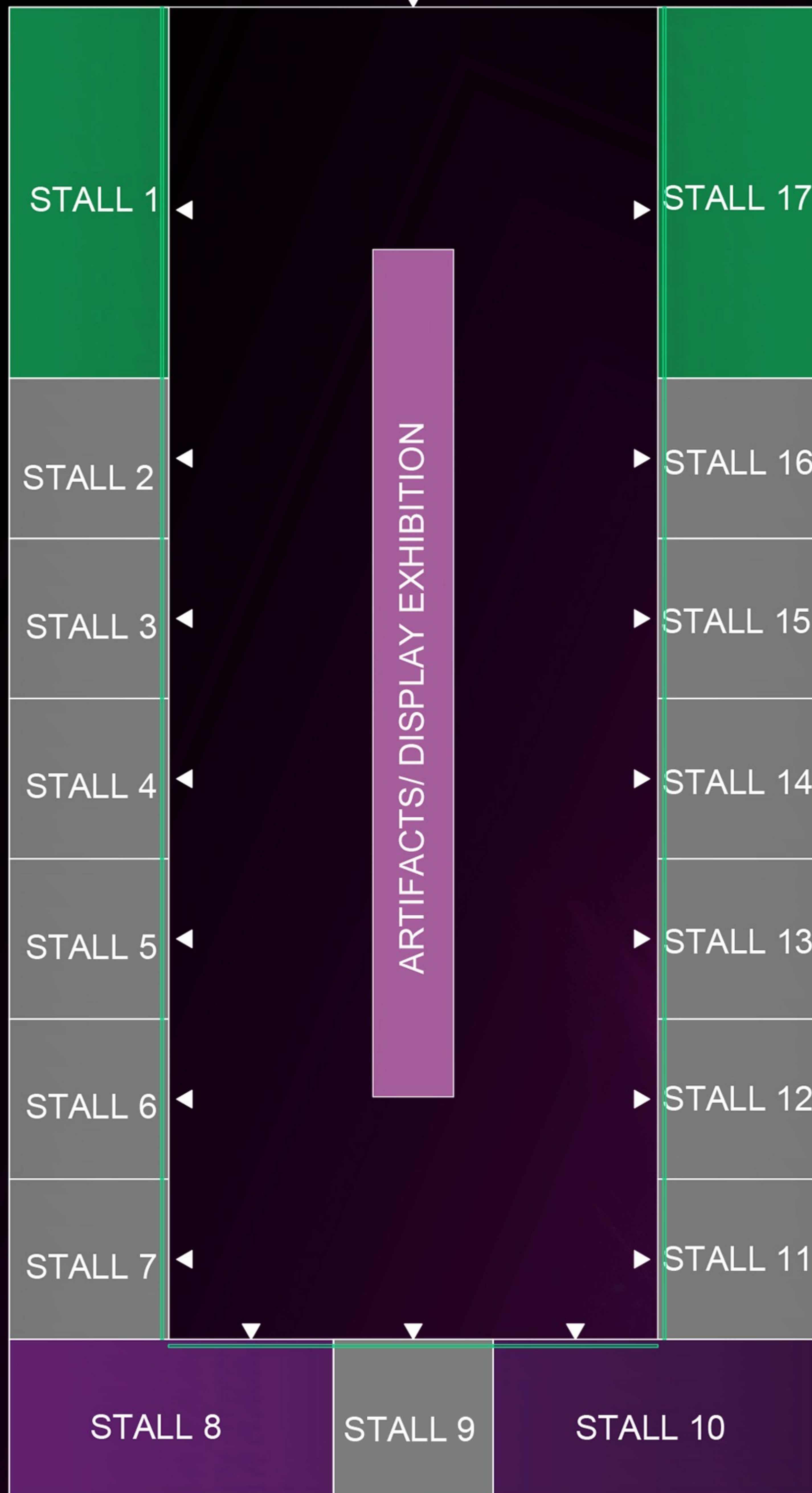
2022ASI-016  
PHOENIX KITS

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)

mail : [asindia.org@gmail.com](mailto:asindia.org@gmail.com), [asi@ursc.gov.in](mailto:asi@ursc.gov.in) | website : [www.asindia.org](http://www.asindia.org)

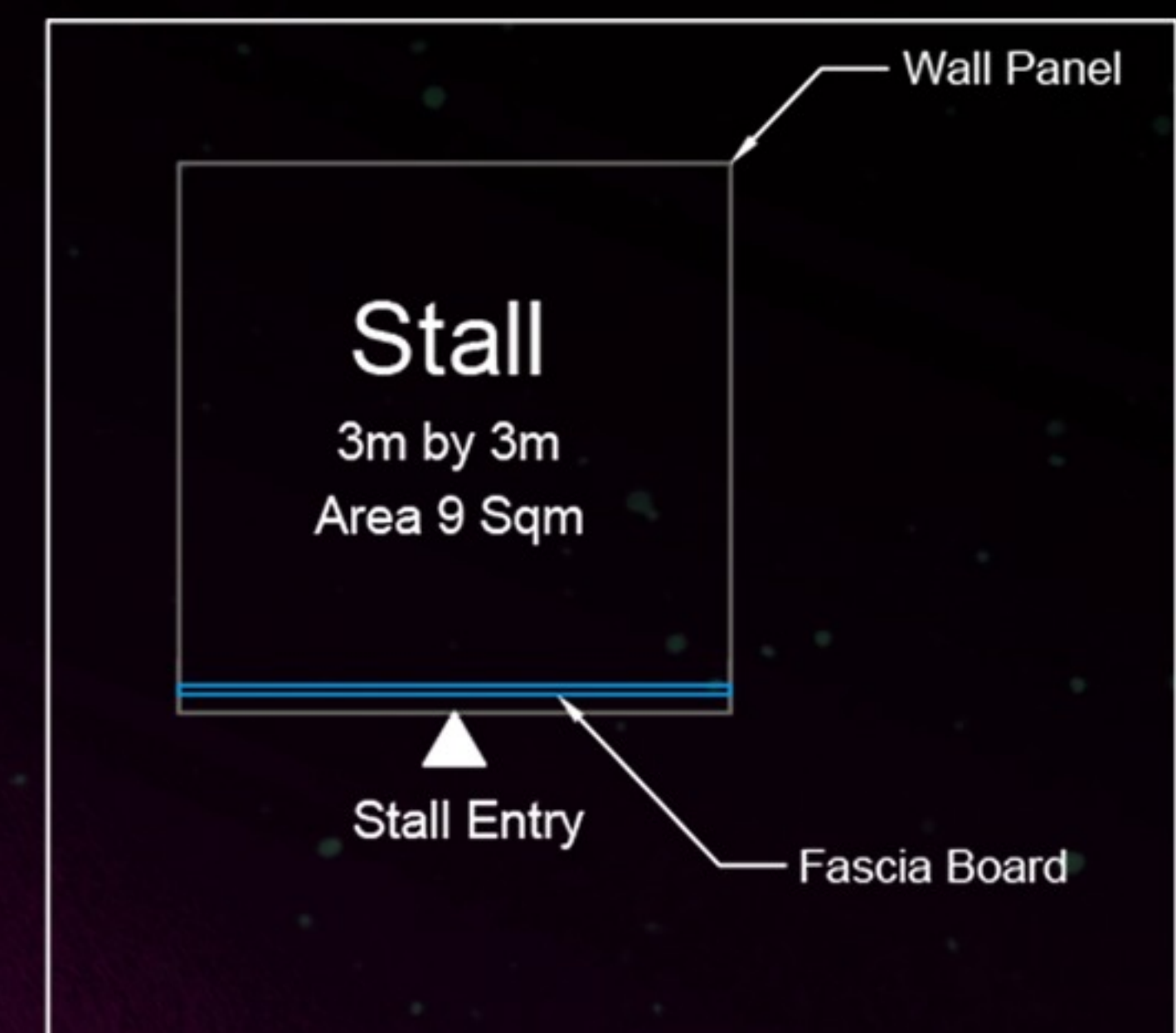
# Stall Map

Space Exhibit  
Stalls Main Entry



## Space Exhibit Stall Details

Platinum Stall Area : 3m x 7m (21sq m)  
Diamond Stall Area : 3m x 6m (18sq m)  
Reamianing Stall Module Area : 3m by 3m (9sqm)  
Total Number of Stalls : 17 Stalls



| ▶ | Point of Entry                |
|---|-------------------------------|
|   | Platinum Sponsor (3mx7m)      |
|   | Diamond Sponsor (3mx5m)       |
|   | General Stalls (3mx3m)        |
|   | Artifacts/ Display Exhibition |

## Participating Teams



2022ASI-018  
NEXSAT



2022ASI-021  
PSIT\_COSMONAUTS



2022ASI-022  
ARDRA



2022ASI-026  
ANANT



2022ASI-027  
VAYU VEGA

For further details reach us at : +91 97427 51186 (Amit Kumar Singh,ASI) | +91 81126 36289 (Aman, ASI)

mail : asindia.org@gmail.com, asi@ursc.gov.in | website : www.asindia.org

# Program Schedule

## DAY 1 | April 16, 2024

|                 |                                                                                 |                                        |
|-----------------|---------------------------------------------------------------------------------|----------------------------------------|
| 06:00 Hrs       | Student Teams Assemble at Venue                                                 |                                        |
| 06:00-11:30 Hrs | CANSAT Launch using Drones                                                      | NAL Teams + Students + Evaluation Team |
| 11:30-16:00 Hrs | Art In Space Competition<br>Walk-In Interview for CANSAT Team by Space Industry |                                        |
| 16:00-19:00 Hrs | CANSAT Launch Continued                                                         | NAL Teams + Students + Evaluation Team |

## DAY 2 | April 17, 2024

|                 |                                                                                                                                                                |                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 06:00 Hrs       | CANSAT Launch using drones                                                                                                                                     | NAL Teams + Students + Evaluation Team |
| 09:00-11:30 Hrs | ASI Excellence in Astronautics Annual Awards for the year 2020, 2021 & 2022<br>Walk-In-Interview for CANSAT Team by Space Industry<br>Art In Space Competition |                                        |

### IN-SPACE CANSAT Student India Competition Prize & Certificate Distribution Function

|                 |                                                                  |                                                                             |
|-----------------|------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 11:30-11:35 Hrs | Welcome Address & Introduction to CANSAT Competition             | <b>Dr. Vinod Kumar</b><br>Executive Secretary, ASI                          |
| 11:35-11:40 Hrs | Introduction to Guest of Honour                                  | <b>Shri Ulkesh B Desai</b><br>GH, SAC/ISRO                                  |
| 11:40-11:50 Hrs | Address by Guest of Honour & Announcement of Competition Results | <b>Dr. Pawan Goenka</b><br>Chairman, IN-SPACe                               |
| 11:50-11:55 Hrs | Introduction to Chief Guest                                      | <b>Shri Pranav Prakash Singh</b><br>Deputy Director, PMAD                   |
| 11:55 Hrs       | Address by Chief Guest                                           | <b>Shri S Somanath</b><br>President, ASI /<br>Chairman ISRO / Secretary DOS |
| 12:10-13:15 Hrs | Prize & Certificate Distribution                                 | Secretary DOS/Chairman ISRO/<br>President ASI and Chairman<br>IN-SPACe      |
| 13:15-13:20 Hrs | Announcement of upcoming Student Competition                     |                                                                             |
| 13:20-13:25 Hrs | Vote of Thanks                                                   | <b>Shri Brijesh Kumar Soni</b><br>Deputy Director, IN-SPACe                 |
| 13:25-13:26 Hrs | National Anthem                                                  | <b>All Participants</b>                                                     |
| 13:26-14:00 Hrs | Lunch                                                            |                                                                             |

## Participating Teams



2022ASI-028  
M.A.T.R.I.X



2022ASI-033  
PATHIK



2022ASI-041  
VYOMSPACE



2022ASI-043  
DEBRIS



2022ASI-044  
DRISHYANT



2022ASI-045  
NAMBI\_VJ

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)

mail : [asindia.org@gmail.com](mailto:asindia.org@gmail.com), [asi@ursc.gov.in](mailto:asi@ursc.gov.in) | website : [www.asindia.org](http://www.asindia.org)

# Art In Space & CANSAT Photography Competition

Open for Schools & Universities

## Art in Space

### Galactic Expressions

### Art Beyond Earth

Theme: A Habitat Beyond Earth

Knowledge Partner



निर्धनतानाशाय बौद्धिकसम्पदनि  
निर्माणकुर्वाम

16 April 24'  
IN-SPACE CANSAT Event

FREE ENTRY FOR  
ALL STUDENTS !!!

REGISTRATIONS OPEN !!!

Find QR in the Registrations &  
Payment Page

Are you passionate about space exploration and artistic expression?

Do you dream of showcasing your creativity on an interstellar canvas? Then get ready to embark on an out-of-this-world adventure with our "Art in Space" competition! This competition invites students from schools and universities to unleash their imagination and create artworks inspired by the wonders of the cosmos.

For Queries on the Competition please reach us at the number provided below

+91 75066 53307 (Girindra Pratap Singh) | +91 81605 24345 (AAKA SPACE STUDIO)

### Participating Teams



2022ASI-046  
NAMBL\_CU



2022ASI-049  
KALPANA



2022ASI-050  
TEAM DYAS



2022ASI-053  
NMITSAT



2022ASI-058  
CUJAMMU-ASTRO



2022ASI-063  
UDUPI

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)

mail : asindia.org@gmail.com, asi@ursc.gov.in | website : www.asindia.org

# Registration & Payment

“CANSAT India” Event Committee finds immense pleasure in inviting all Enthusiasts to Support, Spectate & be a part of this CANSAT launch competition & ASI Award Function

Registration Opens On

**21 March 24'**

Last Date for Registration

**10 April 24'**

**Entry free for all students with valid Identity Card**

To participate in the art & photography competition scan the CANSAT Registration QR provided below

## SCAN HERE TO SPONSOR



  
**SBI**

Merchant Name : ASTRONAUTICAL SOCIETY OF  
UPI ID : astronauticalsocietyofindia5604@sbi

  
BHIM UPI  
BHARAT INTERFACE FOR MONEY UNIFIED PAYMENTS INTERFACE

  
भारत 2023 INDIA  
वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

## SCAN HERE TO REGISTER



  
**CANSAT INDIA**  
Student Competition by ASI

**CANSAT Registration QR**

  
भारत 2023 INDIA  
वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

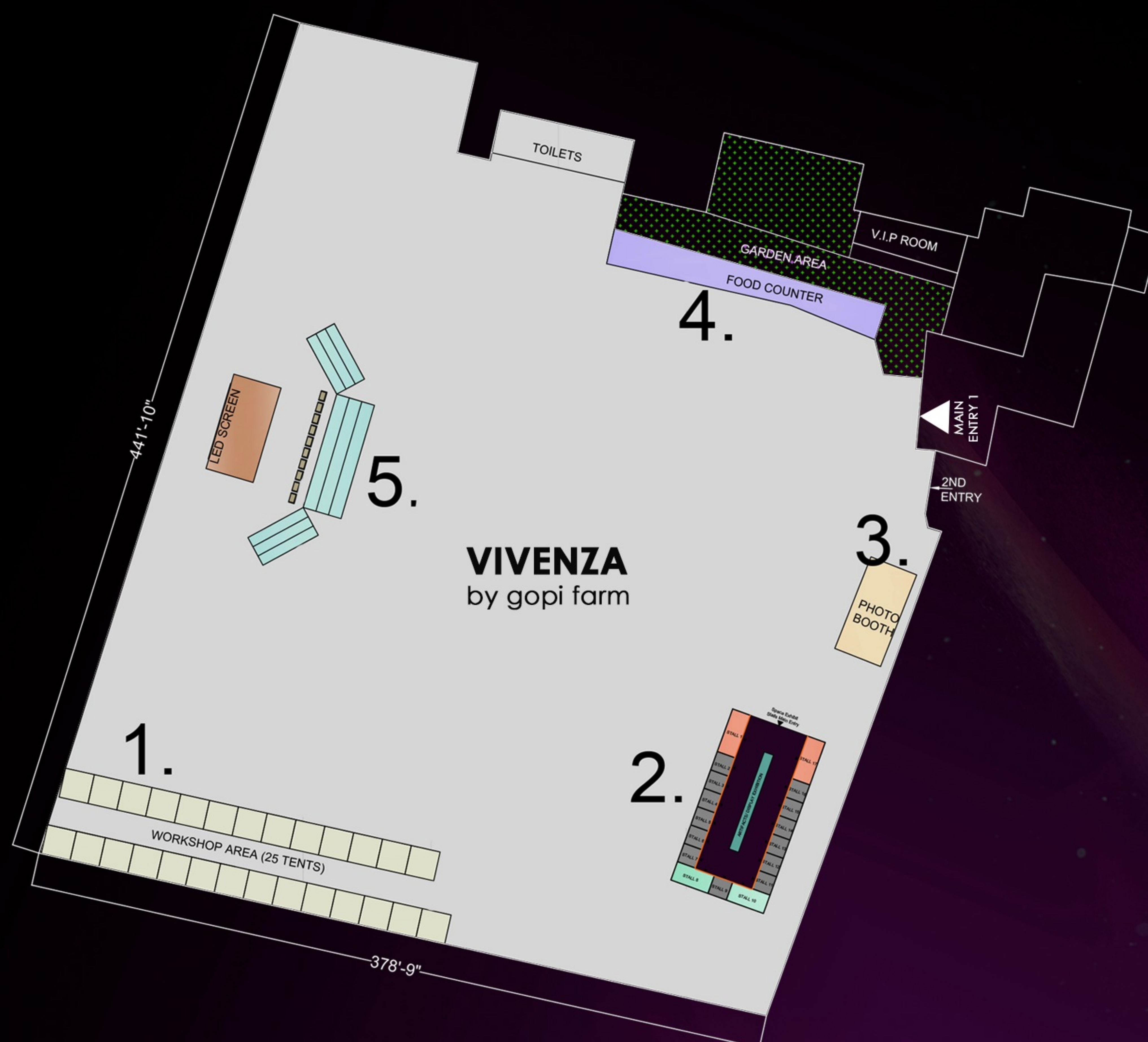
For any queries and support regarding Sponsorship and CANSAT Entry Registration the concerned person shall reach out to the event committee through the dedicated contact and mail provided below

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)

mail : [asindia.org@gmail.com](mailto:asindia.org@gmail.com), [asi@ursc.gov.in](mailto:asi@ursc.gov.in) | website : [www.asindia.org](http://www.asindia.org)

# Event Site Map

## CANSAT Event Venue



### Site Zones

|    |                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------|
| 1. | WORKSHOP AREA (25 TENTS)                                                                                                    |
| 2. | SPACE EXHIBIT WITH 17 STALLS<br><div> <div>PLATINUM (3MX7M)</div> <div>DIAMOND (3MX6M)</div> <div>GOLD (3MX3M)</div> </div> |
| 3. | PHOTO BOOTH                                                                                                                 |
| 4. | FOOD COURT                                                                                                                  |
| 5. | OPEN AMPHITHEATER WITH STAGE                                                                                                |



**Venue** - Vivenza by Gopi Farm & CANSAT event ground, Near, Sardar Patel Ring Rd, Sentossa Greenland, Ognaj, Ahmedabad, Gujarat 380060

For further details reach us at : +91 97427 51186 (Amit Kumar Singh, ASI) | +91 81126 36289 (Aman, ASI)  
 mail : asindia.org@gmail.com, asi@ursc.gov.in | website : www.asindia.org