

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

<u>Event Dates</u> April 16-17, 2024	<u>Venue</u> Vivenza by Gopi Farm
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Registrations open !!!

Chief Guests

Dr Pawan Goenka

Chairman IN-SPACE

Shri S Somanath

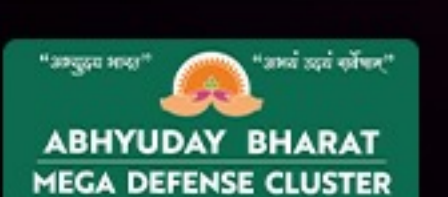
Chairman ISRO | Secretary DOS | President ASI

Organised & Conducted by



- Cultural Partner

Media Partner -



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



CANSAT Launch Using Drones



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 - **28**

Participating Teams

 ASTROPEEP

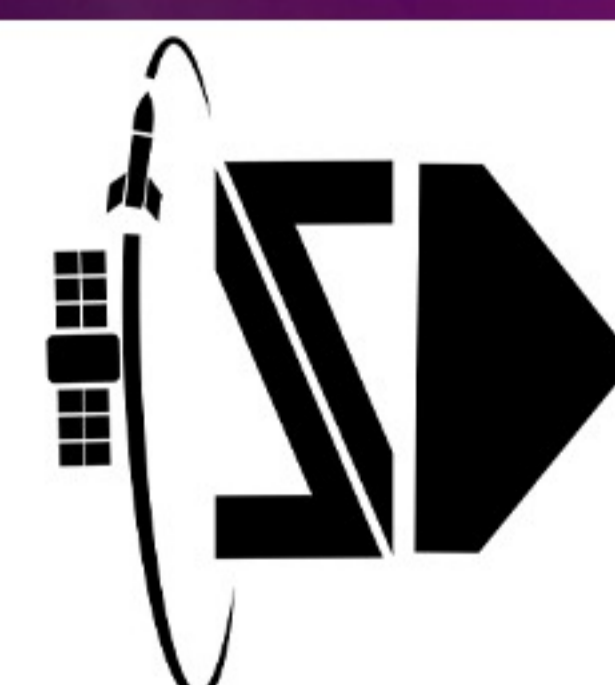
2022ASI-002
ASTROPEEP



2022ASI-003
ASTRAL

 VINIDRA

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

CANSAT Event Sponsorships

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

Participating Teams



2022ASI-009
VIHANGA



2022ASI-011
AVINYA



2022ASI-012
MGM CANSAT



2022ASI-015
VISHWASHANTI



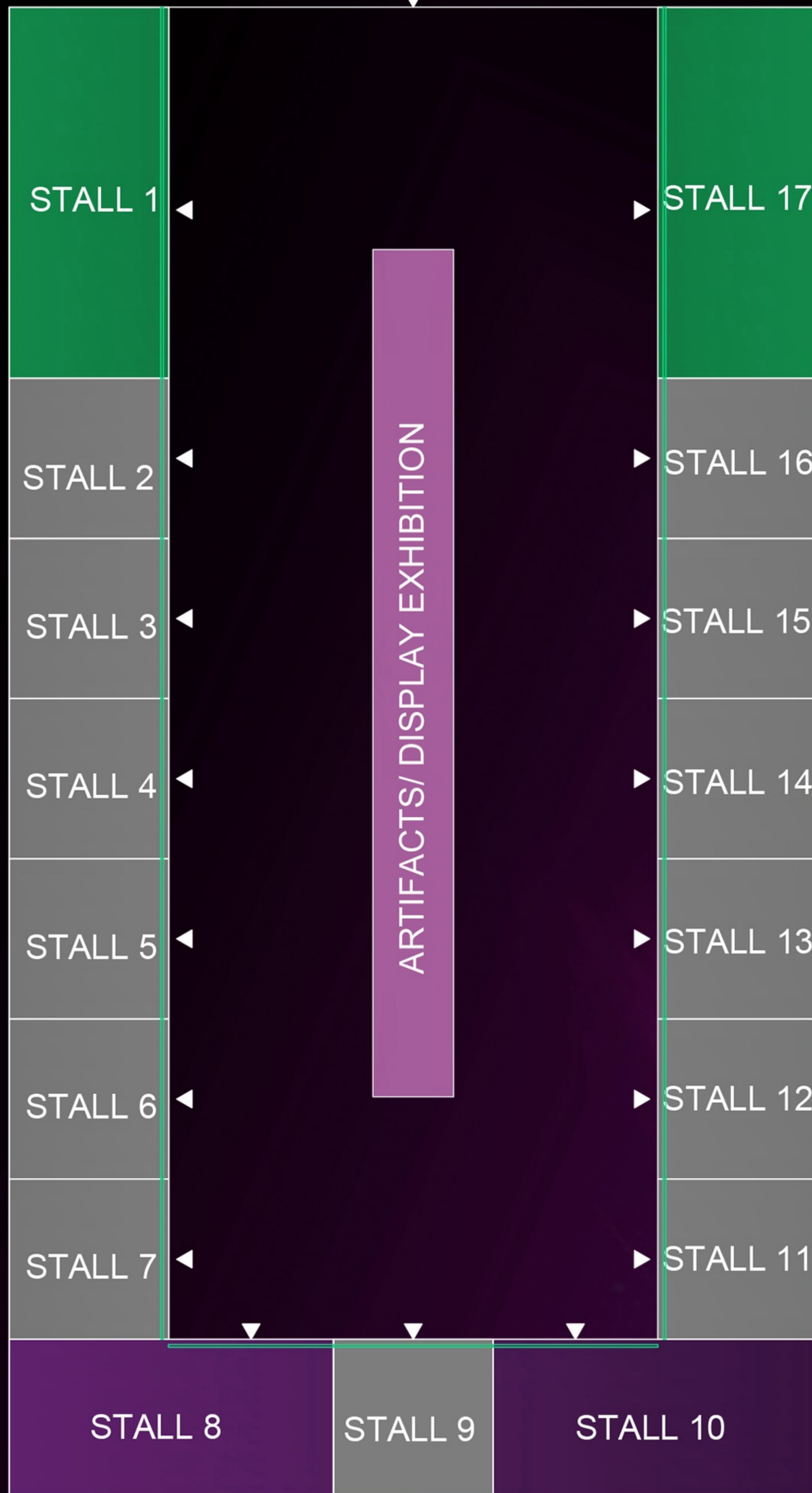
2022ASI-016
PHOENIX KITS

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

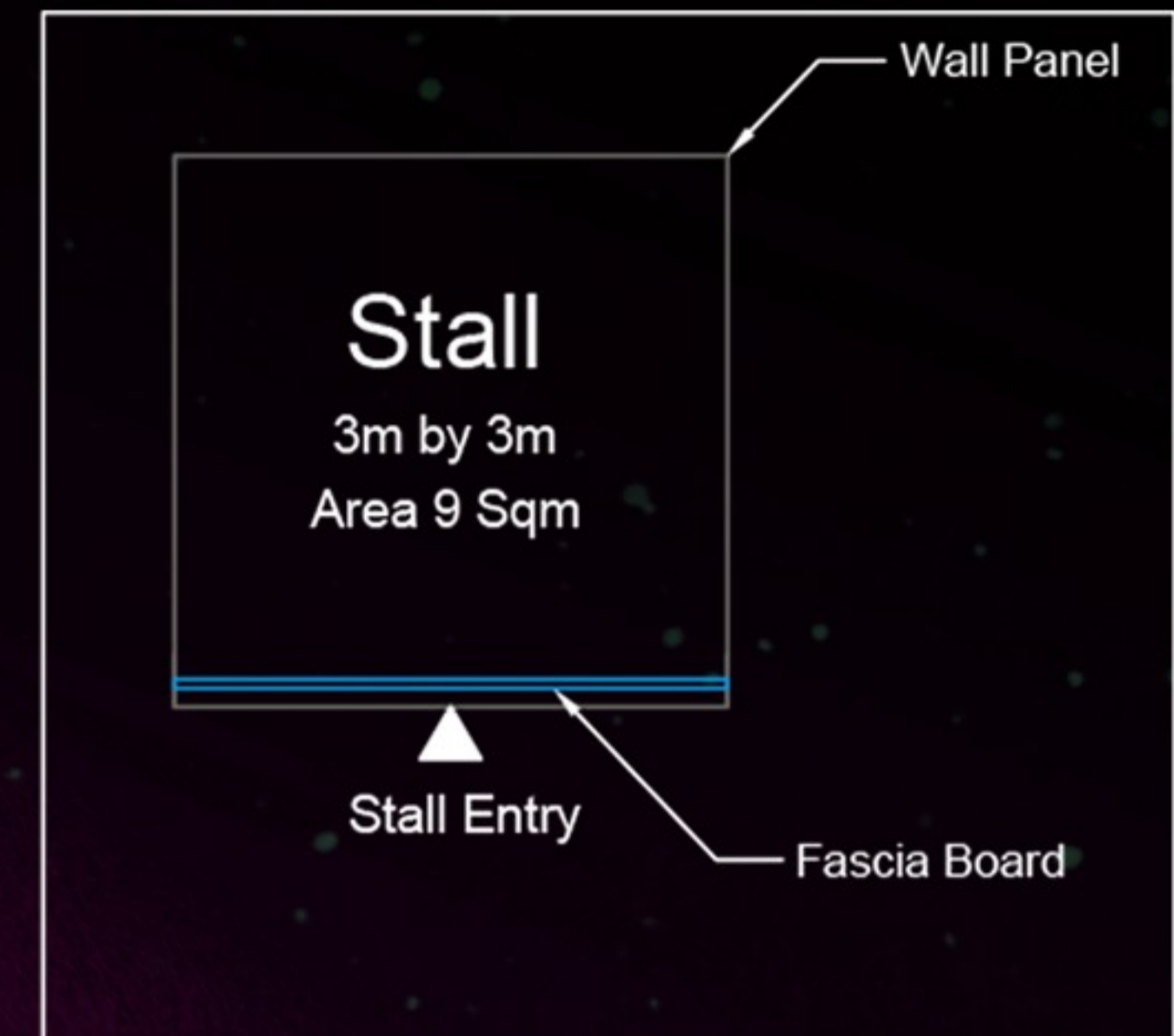
Stall Map

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)
Remaining Stall Module Area : 3m by 3m (9sqm)
Total Number of Stalls : 17 Stalls



▶	Point of Entry
■ (Green)	Platinum Sponsor (3mx7m)
■ (Purple)	Diamond Sponsor (3mx5m)
■ (Grey)	General Stalls (3mx3m)
■ (Light Purple)	Artifacts/ Display Exhibition

Participating Teams



2022ASI-018
NEXSAT



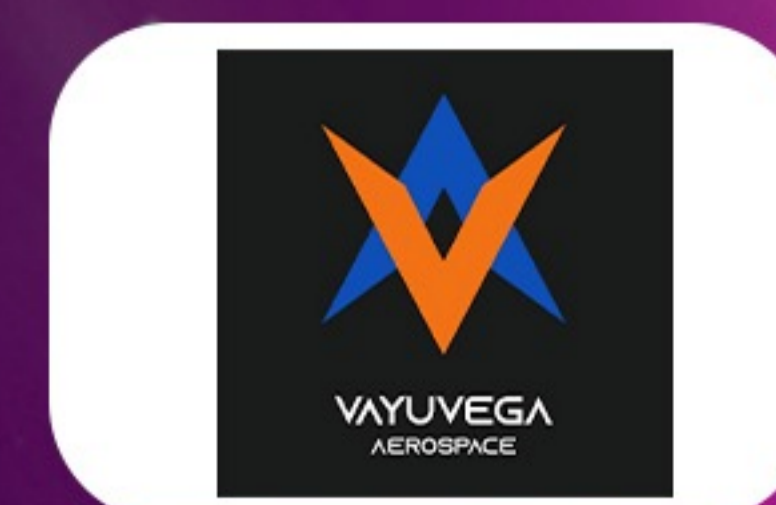
2022ASI-021
PSIT_COSMONAUTS



2022ASI-022
ARDRA



2022ASI-026
ANANT



2022ASI-027
VAYU VEGA



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

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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	
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
ASI Excellence in Astronautics Annual Awards for the year 2020,2021 & 2022 & Art In Space Competition		
09:00-09:30 Hrs	Registration	
09:30-09:31 Hrs	National Anthem	All Participants
09:31-09:35 Hrs	Invocation & Lamp Lighting	Dignitaries on the Dais
09:35-09:40 Hrs	Welcome Address & Introduction of Awards	Dr. Vinod Kumar Executive Secretary, ASI
09:45 Hrs	Inaugral Address	Shri S Somanath President, ASI / Chairman ISRO / Secretary DOS
09:55-10:00 Hrs	Introduction of Chief Guest	Shri Amit Singh Treasurer, ASI
10:00 Hrs	Address by the Chief Guest	Dr. K Radhakrishnan Chairman Board of Governors, IIT Kanpur Chairman Standing Committee of IIT Council Former Chairman ISRO Secretary DOS
10:10-10:30 Hrs	Felicitation of Newly Nominated ASI Distinguished Fellows Distribution of ASI Awards	Chief Guest & President ASI / Chairman ISRO / Secretary DOS
10:30-10:35 Hrs	Vote of Thanks & Commencement of ASI AGBM	Shri Dinesh Agrawal Member Executive Council, ASI
10:35-11:30 Hrs	ASI AGBM 2024	ASI Members

Participating Teams



2022ASI-033
PATHIK



2022ASI-041
VYOMSPACE



2022ASI-042
ABHYUDAY



2022ASI-043
DEBRIS



2022ASI-044
DRISHYANT



2022ASI-045
NAMBI_VJ

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Program Schedule

DAY 2 | April 17, 2024

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

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

Space Poetry Competition

Inviting all Poets & Students

Accepting Submission from

27 March 24'

Online Submissions only

Last Date for Submission

11 April 24'

HOW TO PARTICIPATE

The participant shall **register for the competition using the CANSAT Registration QR** in the Registration & Payment Section. A document with all the competition details have been attached to the event registration form, the participants are requested to **download and read the competition instructions document very carefully and submit as per instructions**. For further queries please reach us at the contact provided on the next page

Participating Teams



2022ASI-046
NAMI_CU



2022ASI-049
KALPANA



2022ASI-050
TEAM DYAUS



2022ASI-053
NMITSAT



2022ASI-058
CUJAMMU-ASTRO



2022ASI-063
UDUPI

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Art In Space & CANSAT Photography Competition

Art in Space

On Spot Painting & CANSAT Photography Competition

Organised by



दश नील फाउंडेशन

निर्धनतानाशाय बौद्धिकसम्पदानि
निर्माणकुर्वाम



SCAN HERE TO REGISTER

Accepting On Spot Registrations also

Galactic Expressions

Art Beyond Earth

Theme: A Habitat Beyond Earth

16 April 24'

IN-SPACE CANSAT Event

FREE ENTRY FOR ALL STUDENTS

For Queries on all the Competitions please reach us at the numbers provided below

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

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



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

BHIM UPI
BHARAT INTERFACE FOR MONEY | UNIFIED PAYMENTS INTERFACE

G20
भारत 2023 INDIA
वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

SCAN HERE TO REGISTER



CANSAT INDIA
Student Competition by ASI

CANSAT Registration QR

G20
भारत 2023 INDIA
वसुधैव कुटुम्बकम्
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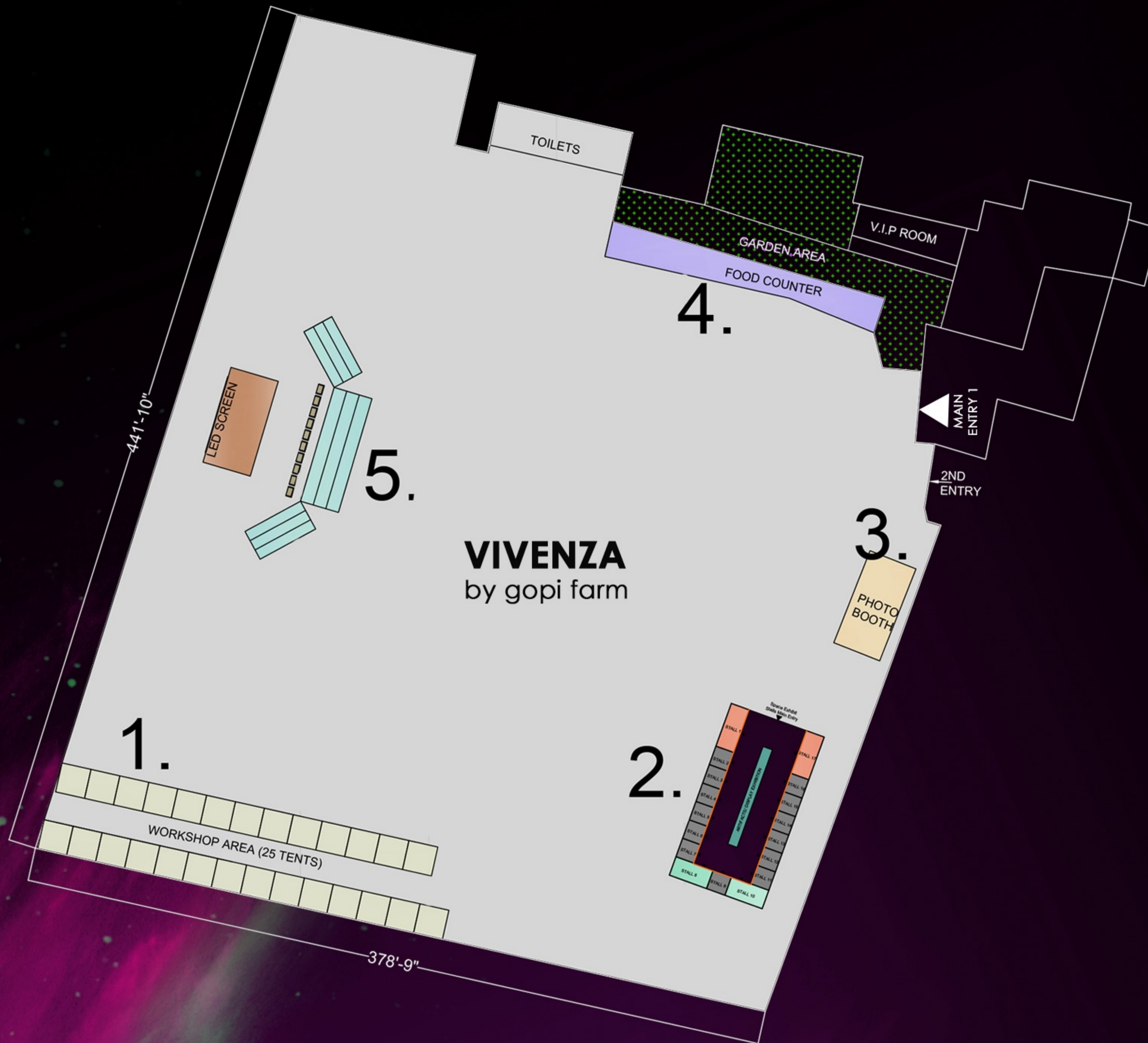
For any queries and support regarding Sponsorship and CANSAT Entry Registration the concerned person shall reach out to the event committee through the dedicated contact and mail provided below

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

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Event Site Map

CANSAT Event Venue



Site Zones	
1.	WORKSHOP AREA (25 TENTS)
2.	SPACE EXHIBIT WITH 17 STALLS ■ PLATINUM (3MX7M) ■ DIAMOND (3MX6M) ■ GOLD (3MX3M)
3.	PHOTO BOOTH
4.	FOOD COURT
5.	OPEN AMPHITHEATER WITH STAGE



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Participating Teams



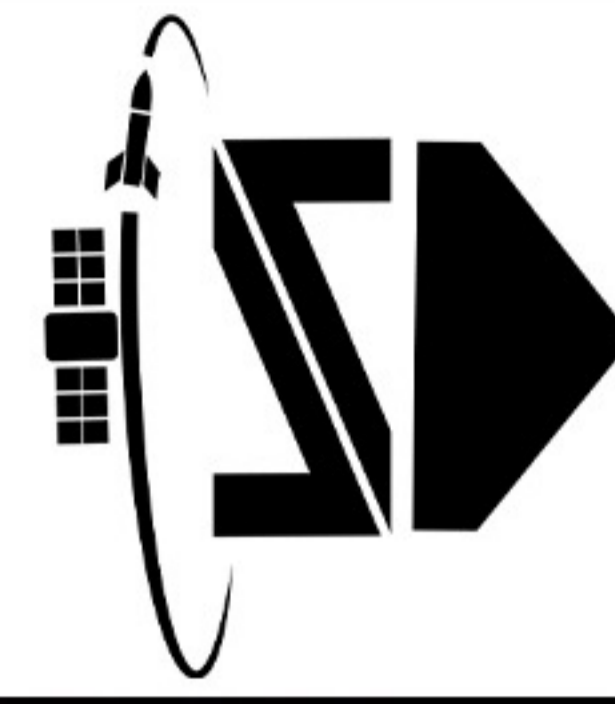
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VISHWASHANTI



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CUJAMMU-ASTRO



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UDUPI

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