

NASA SPACE APPS CHALLENGE 2022

EVENT REPORT



48 HOURS HACKATHON

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SPACE APP INDIA

Website:
<http://spaceappindia.org/>

<https://2022.spaceappschallenge.org/locations/mumbai/event>

<https://2022.spaceappschallenge.org/locations/bangalore-karnataka/event>

<https://2022.spaceappschallenge.org/locations/gauhati/event>

<http://sumvn.in>



SPACE APPS INDIA

CONCEPT:

The International Space Apps Challenge is an international mass collaboration focused on space exploration that takes place in different cities around the world. The event embraces collaborative problem solving with a goal of producing relevant open-source solutions to address global needs applicable to both life on Earth and life in space. NASA is leading this global collaboration along with a number of government collaborators and over 100 local organizing teams across the globe.

Objective of Space App India:

The main objective of conducting these events is to make students conscious of what is happening in today's world in space technology and also to make them the job generators instead of job seekers. We mainly concentrated on women entrepreneurs coming out of colleges. In INDIA the main downside of students studying in level-2 colleges are, they are not familiar with the opportunities they have at this point in time. Though they have ideas they don't come forward either, they don't find any platform to showcase it or they don't have any mentoring. So to overcome this problem we team SUMVN are giving them a platform where they have all the opportunities to make their ideas into a real-time application.

DATE: 1st-3rd OCTOBER 22

DURATION: 48 hours.

LOCATION: Chandigarh University



Space Apps India Team:

- Katapally Saikiran
- Tripti Singhal Somani
- Chakradhar Sangepu
- Manish Kumar Gutta
- Cheguri Rishwanth
- Cheruku Mahesh
- Niharika Khopade
- Domalapalli Vamshi
- Anumanthu Shanthi Priya
- Gollapalli Shirisha
- Jyothi Laxmi
- Priyandi Kabasi
- Prakrati Chourasia



Number of organizers across India: 50

Number of Volunteers across India: 100

University and Colleges:

- VNR Vignana Jyothi Institute of Engineering & Technology
- G. Narayananamma Institute of Technology and Science
- G Pulla Reddy Engineering College
- JK Lakshmiपत University
- Chandigarh University
- Sreyas Institute of Engineering & Technology
- Pallavi Engineering College
- Dayananda Sagar college of engineering
- Vishwa Vishwani Institute of systems and management

GOALS:

- To bring forth innovative ideas and solutions to the problem statements provided by Space Apps Team.
- To encourage students to know about hackathon culture and how to solve real time issues or problems using NASA open data
- To form Space Apps Student Community in tier 2 and tier 3 colleges



ABOUT SPACE APPS INDIA:

It's the Seventh Edition of Space Apps India. Where 20,000 Students participated all around India in around 7 states. In 2018 and 2019 around 1,00,000 students took part in bootcamps all over India in around 7 states.

The purpose of the event is to continue to give people everywhere an unprecedented opportunity to use NASA data to develop meaningful solutions to help to address critical needs applicable to both life in space and on Earth, and that it becomes a global community of individuals excited about collaborating to advance the frontiers of space science and technology. We have conducted it in **Andhra Pradesh, Telangana, Rajasthan, Karnataka, West Bengal, Uttar Pradesh, Kerala, New Delhi, Maharashtra, Odisha**. We are happy to inform that almost 70,000 students took part in boot camps all over INDIA and 2,000 enthusiasts participated in the pre-qualifier rounds of the hackathon in Different states of INDIA. From each state, we selected top 3 or 4 teams who participated in the National round of hackathon happen on **OCT 1st-3rd**. 851 students were selected for the India finals which took place on 1st to 3rd October 2022.

ABOUT THE EVENT(IN DETAIL):

The event began with the formal inauguration ceremony. After which the pitching of the ideas by the participants started. Total 136 teams were registered and participated as a part of the Final round. During the idea of pitching, each team was given about 2 minutes to register their team into the competition by presenting their ideas/concept.

Idea pitching was followed by prototyping of the concept. Post lunch, the students started working on their ideas from given challenges. Experts on their key technologies like Web Development, Android, etc provided the mentoring to students.

SUMVN team were also available there and interacted with students as a mentor to get valuable inputs from them and validate their ideas and work on the improvement areas their ideas might have. After which the mentor validated the ideas of students.

There are checkpoints for validating the ideas of participants. There were checkpoints at a certain interval. Between each checkpoint, participants get the mentoring if they required. The next round of pitching started after Breakfast after which top 3 teams were selected by the jury and awarded. This Year we introduced one more award call Non-Technical Award which is won by 2 teams.

CHALLENGES ON WHICH THE STUDENTS WORKED ON:

- **INFORM**
- **SUSTAIN**
- **CREATE**
- **CONFRONT**
- **CONNECT**
- **INVENT YOUR OWN CHALLENGE**



NO OF PARTICIPANTS ATTENDED FOR FINALS: 851

NOs OF TEAMS REGISTERED: 136

AGENDA OF THE EVENT:

Bootcamp conducted on 22nd September 2022 and T-Hub where all the participants were told about the guidelines and work pattern for the next two days.

Boot camp: (22/09/2022)

S.No	SESSION	TIME	VENUE
1.	Registrations	16:00 to 17:30	T-Hub Hyderabad
2.	Inauguration by Leads	17:30 to 18:00	T-Hub Hyderabad
3.	Introduction to NASA Space Apps Challenges	18:00 to 19:00	T-Hub Hyderabad
4.	Queries	19:00 to 19:30	T-Hub Hyderabad
5.	Closing of Bootcamp	19:30 to 20:00	T-Hub Hyderabad

Day 1: (01/10/2022)

S.No	SESSION	TIME	VENUE
1.	Registrations	9:30 to 10:30	Chandigarh University
2.	Inauguration by guests	10:30 to 11:15	Chandigarh University

3.	Introduction to NASA Space Apps Challenge	11:15 to 11:30	Chandigarh University
4.	Team introduction and Elevator Pitching	11:30 to 12:40	Chandigarh University
5.	Lunch	12:40 to 13:30	Chandigarh University
6.	Working on ideas	13:30 to 15:30	Chandigarh University
7.	Talk by GUEST	15:30 to 16:00	Chandigarh University
8.	Mapping and processing on Ideas	16:00 to 18:00	Chandigarh University
9.	Break	18:00 to 18:30	Chandigarh University
10.	Mentoring on ideated teams	18:30 to 21:30	Chandigarh University
11.	Dinner	21:30 to 22:30	Chandigarh University
12.	Networking and Prototyping	22:30 to 00:00	Chandigarh University

Day 2: (02/10/2022)

S.No	SESSION	TIME	VENUE
13.	Networking and Prototyping	00:00 to 01:30	Chandigarh University
14.	Fun session	01:30 to 02:30	Chandigarh University
15.	Validation of Ideas	02:30 to 06:30	Chandigarh University
16.	Fresh up and Breakfast	06:30 to 08:30	Chandigarh University
17.	Hacking Resume	08:30 to 12:00	Chandigarh University
18.	1st round of Scrutinization	12:00 to 14:30	Chandigarh University
19.	Lunch	14:30 to 15:30	Chandigarh University
20.	Final Pitching	15:45 to 17:45	Chandigarh University
21.	Awarding Ceremony	17:45 to 18:15	Chandigarh University
22.	Closing ceremony	18:15 to 18:30	Chandigarh University



MEMBERS OF THE JURY:

- Dr.Kaushik Madakasira, CEO - VIBA & Mentor of Change, AIM, NITI AAYOG, Govt. of India
- Mr.Sabyasachi Mukhopadhyay, Google Developer Expert in Machine Learning & TensorFlow Core, BIMS Kolkata, Intel Software Innovator, TEDx Speaker.
- Mr.Krishna Teja Penamakuru, Co-Founder Dhruva Space

PARTNERS:

- **Supported by:**
Government of Telangana
Start-up India
Research and Innovation Circle of Hyderabad
- **Knowledge Partner:**
Department of Science and Technology
- **Organized by-SUMVN, Space App India**
- **Co-Organized by – Chandigarh University.**
- **Digital Media Partner - OUTSHADE Digital Media**
- **Community Partner- 91Springboard, Facebook Developer Circle**
- **Incubation Partner- AIC-DSU**
- **Resource Partner- Womenovator**
- **Mentoring Partner-Dhruva Space, T-Hub**



RESOURCES PROVIDED:

- Printing brochures and posters.
- Electricity.
- Wi-Fi.
- Water supply.
- Photography.
- Social media support
- Mementos.
- Certificates.

Results:

- The event was successful with 851 participants.
- Among 136 teams 3 top teams were selected for the International round of the Hackathon and 2 teams were selected in Non-Technical Category.
- The winners were selected based on how technically sound they are, their creativity, presentation ability to define their concept work and the how the participants used the data set provided by NASA.

Winners of Mumbai location:

Position: 1st Winner

Team Name: TEAM03RRSSK

Challenge Selected: Outfitting a Mars Habitat: A 3D Print Challenge

About Project: <https://2022.spaceappschallenge.org/challenges/2022-challenges/mars-habitat/teams/team03rrssk/project>



Position: 2nd Winner

Team Name: TEAM KANYARAASI

Challenge Selected: [Twinkle, Twinkle, Little Star](#)

About Project: <https://2022.spaceappschallenge.org/challenges/2022-challenges/twinkle-twinkle-little-star/teams/team-kanyaraasi/project>

Position: People Choice

Team Name: MAGICAL MOMENTS

Challenge Selected: [Create Your Own Challenge](#)

About Project: <https://2022.spaceappschallenge.org/challenges/2022-challenges/create-your-own-challenge/teams/magical-moments/project>



Position: 2nd Winner

Team Name: GO SHARKS

Challenge Selected: [Learning Through the Looking Glass](#)

About Project: <https://2022.spaceappschallenge.org/challenges/2022-challenges/through-the-looking-glass/teams/go-sharks-1/project>

Position: People Choice

Team Name: ANTARIKSH

Challenge Selected: [Nimbus to Now: The History of NASA's Earth-Observing Missions](#)

[Missions](#)

About Project: <https://2022.spaceappschallenge.org/challenges/2022-challenges/nimbus-to-now/teams/antariksh-2/project>



Future Development:

- To create a community called Space Apps student community to ensure that the students learn about technology and build up their ideas into products and solve real-time problems of the world which will be addressing in upcoming hackathons which are going to be conducted in the future.
- To support the students selected to the next round of Space Apps hackathon by providing relevant mentors and technical experts.
- To support innovations in the community from layman and young students.
 - We as the Young Entrepreneur of the country are very enthusiastic to extend our hands and support for the growth of the country
 - Events like this happen only in IITs and Nits. Other college isn't much aware of these and doesn't get the opportunity to expose students to such innovation. We want to conduct the events in such colleges where ideas of the students are helpful for the society

Testimonial:

R.A Mashelkar-Former Director General of CSIR: All my best wishes with you Space Apps Team And SUMVN

Jayesh Ranjan, IAS-principal Secretary, Govt of Telangana: It's a platform where entrepreneur, students, innovators come up with bright ideas and connect with technology and sciences

Ajit Rangnekar,Director General at Research and Innovation Circle of Hyderabad Partner,SVP India: I am delighted that SUMVN ,Hyderabad based startup initiated Space App India and conducting this. Space Applications is going to be increasingly important in all works of life. I wish you All the Best.

Srinivas Kollipara-CEO, T-Hub:This going to be rolled out at a national level, they expect much more participation last event students came up with brilliant and amazing ideas and I'm sure it will be better this year.

Phanindra Sama-Chief innovation Officer, Govt of Telangana: Dear Nasa Space Apps Challenge Participants of 2018 a big congrats for you for participating in event, I encourage you to participate more and more in such events because events like this are stroke to show our creativity, test our Imagination

Amrapali KATA, IAS-Warangal Collector: If you are an engineer designer and if you are researcher, Startup of course anybody who is interested in problem solving you have to participate in this event.

Madiha Ahmed-Social Psychologist & Researcher: Great job in space technology.

Tripti Shinghal Somani – Founder of KGS Advisors: Great team work SUMVN, Proud to be your partner.

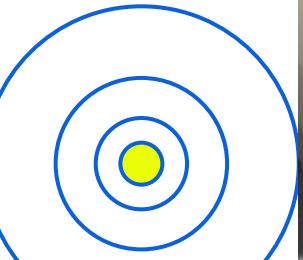
Abi Aryan-Data Scientist: NASA Space Apps challenge is a fantastic opportunity brought to students all over the country by SUMVN's fantastic team to develop meaningful solutions to help to address critical needs applicable to both life in space and on Earth. I highly recommend every college student to participate in it. The community element of events organized by SUMVN is in itself worth the time commitment for the fantastic friendships you build during the course of these events that shall stay with you for a lifetime.

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PICTURES







SRI Bhupali Kumar A

President, H





MEN

CONGRATULATIONS

TO ALL THE 3RD YEAR STUDENTS WHO WON THE NATIONALS AT THE
NASA SPACE COMPETITION
AND ARE READY TO SET FOOT INTERNATIONALLY.



IT IS AMAZING TO SEE HOW FAR IN THE WORLD OF TECHNOLOGY
WOMEN HAVE PROGRESSED.



Felicitating Winners and Partners of Space App India.





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Good luck to your team of young girls

...



Bashetty Shravani @BashettyShrava1 · 10h

We are happy and blessed to get felicitated by @KTRTRS anna for getting global nomination of Nasa SpaceApps 2022. We would like to thank @THubHyd
@TWorksHyd
@SpaceA
@SpaceAppsIndia
@sumvn
@kiran9032093821 @vamshi89787 @Rishwanth_17 @chakrisangepu



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