

NASA SPACE APPS CHALLENGE 2019

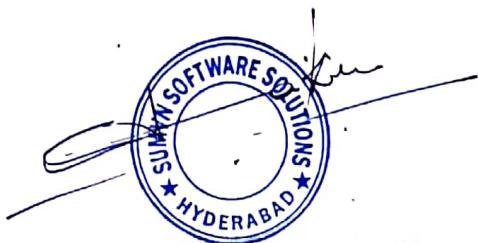
EVENT REPORT



48 HOURS HACKATHON

Powered by :
SUMVN & KGS ADVISOR

Website:
<http://spaceappindia.org/>
<https://2019.spaceappschallenge.org/locations/delhi/>
<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: 18th-20th OCTOBER 2019

DURATION: 48 hours.

LOCATION: 91Springboard, C2, Sector 1, Noida, Uttar Pradesh 201301





Space Apps India Team:

Space apps India Lead:

- Katapally Saikiran
- Tripti Singhal Somanı
- Arijit Hajra
- Keshav Tiwari

Telangana Lead:

- Chakradhar Sangepu
- Sumaya Samreen

West Bengal and Odisha Lead:

- Naina Singh
- Arijit Hajra

Delhi Lead:

- Darshan Baid
- Shweta Jha

Maharashtra Lead:

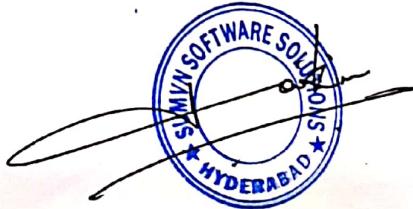
Pooja Tak

Kerala Lead:

- Abraham Raji
- Andrea Antony

Uttar Pradesh Lead:

- Nishant Tiwari
- Shinni Kumari





Rajasthan Lead:

- Manan Bindra
- Varsha Kesnani

Organizing Team:

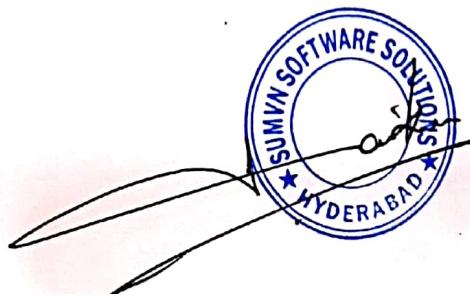
- Gutta Manish Kumar
- Akshatha rao
- Deepika Garg
- Arnika Raj
- Hamisu Ali Kime
- Ayush Gupta
- Naina Singh

Number of organizers across India: 400

Number of Volunteers across India: 1200

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 Second Edition of Space Apps India. Where 70,000 Students participated all around India in around 10 states. In 2018 50,000 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 20,000 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 18-20 @91 Spring Board New Delhi**. 544 students were selected for the India finals which took place in 91 Springboard, Noida, Uttar Pradesh on 18th to 20th October 2019.

ABOUT THE EVENT(IN DETAIL):

The event began with the formal inauguration ceremony and lightning of the lamp. After which the pitching of the ideas by the participants started. Total 43 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:

- EARTH'S OCEANS
- OUR MOON
- PLANETS NEAR AND FAR
- TO THE STARS
- LIVING IN OUR WORLD
- INVENT YOUR OWN CHALLENGE





NO OF PARTICIPANTS ATTENDED FOR FINALS: 544

NO OF TEAMS REGISTERED: 43

AGENDA OF THE EVENT:

Bootcamp conducted on 18th October 2019 where all the participants were told about the guideline's and work pattern for the next two days.

Boot camp: (18/10/2019)

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

Day 1: (19/10/2019)

S.No	SESSION	TIME	VENUE
1.	Registrations	9:30 to 10:30	ground
2.	Inauguration by guests	10:30 to 11:15	Auditorium Hall



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

Day 2:(20/10/2019)

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





MEMBERS OF THE JURY:

- Prof. Diwaker.
- Mr. Brijesh Agarwal
- Mr. Rajnish Kohli

GUESTS:

- Mrs. Tripti Shinghal Soman - Founder of KGS Advisors
- Dr. Subhash Garg - Technical Edu. Minister-Rajasthan
- Prof. R.A. Gupta - Vice Chancellor-RTU
- Dr. Suchi Sharma - Secretary-DTE
- Dr. Rajive Kumar - Member Secretary-AICTE
- Mr. Brijesh Agarwal - Co-founder & Director, IndiaMART InterMESH Limited
- Ms. Kanika Tekriwal - CEO, JetSetGo Aviation Services
- Mr. Shanti Swaroop Kandala - Founding Team Lead, IIT-H Student Satellite
- Mr. Rajnish Kohli - Founder & CEO RSVR Tech
- Ms. Abhilasha - Founder Bluesky Analytics

PARTNERS:

- **Supported by:**

Government of Telangana
Start-up India
Invest India

- **Knowledge Partner:**

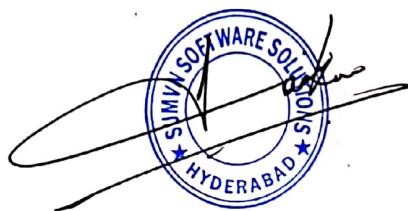
Department of Science and Technology

- **Organized by**-SUMVN & KGS Advisors

- **Co-Organized by** – Think Again Lab.

- **Digital Media Partner** - OUT SHADE Digital Media

- **Community Partner**- 91Springboard





RESOURCES PROVIDED:

- Printing brochures and posters.
- Food (dinner and breakfast).
- Tea and snacks.
- Electricity.
- Wi-Fi.
- Water supply.
- Photography.
- Social media support
- Mementos.
- Certificates.

Results:

- The event was successful with 544 participants.
- Among 43 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:

Position: 1st Winner

Team Name: EXUN CLAN

Challenge Selected: Build a Planet

Team Members: Pulkit Garg

About Project: <https://2019.spaceappschallenge.org/challenges/planets-near-and-far/build-planet-workshop/teams/exun-clan/project>





Position: 2nd Winner

Team Name: CO5MIC_BIT5

Challenge Selected: 1UP FOR NASA EARTH

Team Members: Anirban Dutta
Priyam Ghose

About Project: https://2019.spaceappschallenge.org/challenges/living-our-world/1up-nasa-earth/teams/co5mic_bit5/project

Position: People Choice (Got 744 Votes)

Team Name: TECH ARMY

Challenge Selected: Build A Planet

Team Members: Akash Bajpai
Isha Bansal
Kritika Singh
Rohan Khurana

About Project: <https://2019.spaceappschallenge.org/challenges/planets-near-and-far/build-planet-workshop/teams/tech-army/project>

Position: Non-Technical

Team Name: TEAM PRITHVI

Challenge Selected: INVENT YOUR OWN CHALLENGE

Team Members: Anandu B.S
Gopika Gopan
Sana Ernest
Saniya Thahseen M





Position: Non-Technical

Team Name: Hackoverflow

Challenge Selected: INVENT YOUR OWN CHALLENGE

Team Members:

Divyesh Gupta

Harsh Mehta

Sneha Mittal

Aayushi Agarwal

Samiksha Mathur

Position: Best Pre Hackathon

College Name: Galgotias University, Uttar Pradesh

JECRC Foundation, Rajasthan

Position: Best Hospitality in Pre Hackathon

College Name: St. Joseph's College of Engineering and Technology, Kerala

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

Srinivas Kollipara-CEO, T-Hub: This going to be rolled out at a national level, they except 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.

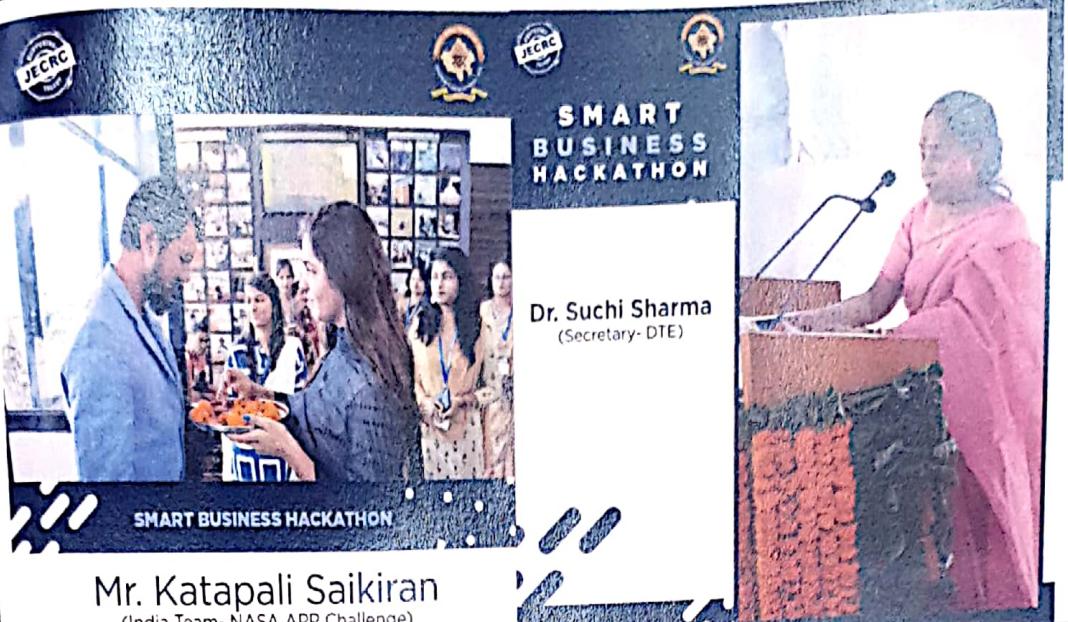
Tripti Shinghal Somani – Founder of KGS Advisors: Great team work SUMVN, Proud to be your partner





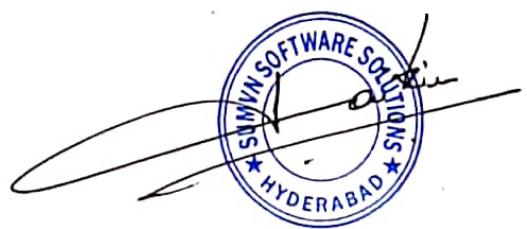
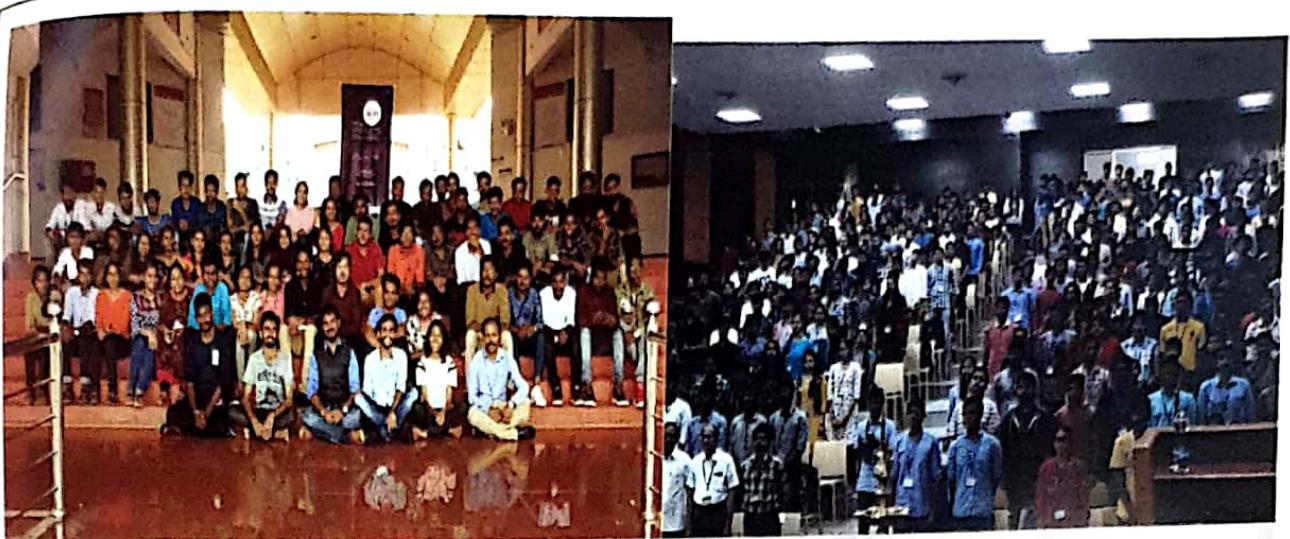
EVENT PICS:





Mr. Katapali Saikiran
(India Team- NASA APP Challenge)











SUMIN SOFTWARE SOLUTIONS
HYDERABAD
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