



SPACE APPS CHALLENGE EVENT REPORT

SPACE APPS CHALLENGE (Pre-Qualifier Round)

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.

DATE: 31st August & 1st Sep., 2018

DURATION: 24 hours.

LOCATION: Jagan Institute of Management Studies, Sector-5, Rohini, Delhi-110085

ORGANIZERS:

Faculty Coordinators:

- Dr.Sumesh Raizada
- Dr.Praveen Arora
- Mr.Devesh Lowe
- Mr.Sanjive Saxena
- Ms.Geeta Sharma
- Mr.Rajkamal

Organizing Team: (Staff)

- Mr.Akshay Kumar
- Mr.Ravi Dev


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Director

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- Ms.Neha Tiwari
- Ms.Anjali Madan

- Mr.Manish Arora

Organizing Team: (Students)

- | | |
|----------------------------|-------------------|
| • Kanwaldeep Singh Chhabra | • Amit Kumar |
| • Vikrant | • Amrender Singh |
| • Rishabh Bansal | • Moksh Narang |
| • Vipul jain | • Mandeep |
| • Abhimanyu Mathur | • Sarabjit Kaur |
| • Anuj Kumar | • Permil Garg |
| • Dhairya aggarwal | • Abhishek Thakur |
| • Nikhil Kumar | • Gaurav Kumar |

Number of Volunteers: 80

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
- Teams selected in Pre Qualification will be sent to national level of 36 hours, hackathon at IIT, Delhi on Oct.19-21, 2018, where they will be competing with different zonal winners.

BOOTCAMPS CONDUCTED:

- **Jagan Institute of Management Studies, Sec.5, Rohini, Delhi-110085:**

Date: 18th, August, 2018.

Guests: SUMVN Team

- 1) Ms.Priyanka Gajanan
- 2) Mr.Krishna Chaitanya
- 3) Mr.Keshav Tiwari
- 4) Ms.Namrata Kapoor

No of students attended: 400

The boot camps for pre-qualifier round of hackathon were conducted by the JIMS, Rohini organizing team where SUMVN team, introduced our students about the event and its


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importance. They gave a brief introduction of SUMVN and its founders. They also gave a presentation on how the event was conducted in the previous years. They talked about how the pre-qualifier event would be conducted in the college including the procedure to register, innovate and a few tips on how to pitch an idea and also about the impact it would create on their career. They talked about their plans to start a Space Apps Community to help students interact with each other and build up their projects for the next year's challenges. It would be a technical community which would ensure to teach students new skills and encourage them to work on their projects and ideas. They introduced the challenges of previous year on which the students need to on work and gave them a detailed information about what the themes dealt with. The students were also made to join the interactive session where they had the opportunity to have a clear picture about the event. Mr. Krishna Chaitanya motivated the students by sharing his story with the students. He was contestant in the earlier Hackathon held in Hyderabad and is now running his own startup.

ABOUT THE EVENT

CHALLENGES ON WHICH THE STUDENTS WORKED ON:

- Our Ecological Neighbourhood
- Ideate and Create
- Warning! Danger Ahead
- The Earth and us
- Planetary Blues

NO OF PARTICIPANTS ATTENDED: 227

NO OF TEAMS REGISTERED: 65

AGENDA OF THE EVENT:

Day 1: 31st Oct, 2018

S.No	SESSION	TIME	VENUE
1.	REGISTRATION & TEA	8.00 – 9.30 AM	FRONT LAWN
2.	INAUGURAL CEREMONY	9.30 – 10.00 AM	AUDITORIUM
3.	TEAM INTRODUCTION & ELEVATOR PITCHING	10.00 – 11.30 AM	HALL-1 TO HALL-6
4.	WORKING ON IDEAS	11.30 – 1.00 PM	HALL-1 TO HALL-6


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5.	LUNCH BREAK	1.00 – 2.00 PM	CAFETERIA
6.	MAPPING AND PROCESSING ON IDEA	2.00 – 4.00 PM	HALL-1 TO HALL-6
7.	MENTORING AND 1 ST ROUND OF EVALUATION	4.00 – 6.00 PM	HALL-1 TO HALL-6
8.	TEA BREAK	6.00 – 6.30 PM	CAFETERIA
9.	NETWORKING AND PROTOTYPING	6.30 – 8.30 PM	HALL-1 TO HALL-6
10.	DINNER BREAK	8.30 – 9.30 PM	CAFETERIA
11.	VALIDATION OF IDEAS	9.30 – 12.30 AM	HALL-1 TO HALL-6

Day 2: 1st Sep, 2018

S.No	SESSION	TIME	VENUE
12.	FUN SESSION	12.30 – 1.30 AM	CENTRE STAGE
13.	2 ND ROUND OF EVALUATION	1.30 – 3.30 AM	HALL-1 TO HALL-6
14.	REFINEMENT AND FINAL PREPARATION OF PRESENTATION	3.30 – 6.00 AM	HALL-1 TO HALL-6
15.	FRESH UP	6.00 – 6.30 AM	-
16.	3 ^{DR} ROUND OF EVALUATION	6.30 – 8.00 AM	HALL-1 TO HALL-6
17.	BREAKFAST	8.00 – 9.00 AM	CAFETERIA
18.	FINAL PITCHING BY TOP TEN TEAMS	9.00 – 10.30 AM	AUDITORIUM
19.	CLOSING AND AWARD CEREMONY	10.30 – 11.00 AM	AUDITORIUM

ABOUT THE EVENT (in detail):

The event began with the registration of teams and breakfast, after which the pitching started. Total 65 teams were registered and participated as a part of the pre-qualifier round. During the elevator pitch, each team was given about 10 minutes to explain about their challenge and proposed solution. Soon after elevator pitch, all the teams started working on their project. The first round of scrutinization was held in the evening at around 4.00pm in which each team was evaluated by the panel of three faculty experts. The teams explained about the progress of their project.


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The second round of scrutinization was held in the mid-night at 1.30am, in which teams were again evaluated by the panel, on the final solution worked out by them. After that all the teams began working on their final presentation, which was evaluated in the third round of scrutinization at 6.30am. The final 12 teams were shortlisted on the basis of all three scrutinization rounds.

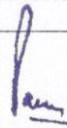
These shortlisted teams then made a presentation in front of jury which comprised of following members. The jury selected the top 5 winners of the hackathon on the basis of uniqueness of solution, criticality of the problem, how technically sound they were, their creativity and the open data sets used by them.

MEMBERS OF THE JURY:

- Dr.A.K.Saini, Professor, GGSIP University
- Dr.M.P.S.Bhatia, Professor, NSIT, Delhi
- Ms.Divya Gupta, CEO, UDGAM
- Mr. Sai Kiran Katapally (Founder, SUMVN, Hyderabad)

WINNERS OF THE HACKATHON:

- Sudo
Sudo has created an idea to inform hazardous signals to disaster management team and general public with the help of evaluating UV rays general hazardous time their latitude and longitude they created an android application to send information and alerts with help of notifications to app users.
- Brainy Fools
Brainy Fools created an idea of Space Jockey Build a tool that allows a user to virtually experience riding on any one of NASA's current Earth observing satellites and allow for colocalization of data from various instruments.
- CypherOps
CypherOps created an idea on Where's the Water? Use data from Earth-observing satellites to identify the broad sweep of groundwater levels below you and surface water supplies, and determine how environmental conditions affect these water resources.
- Supernova
Supernova created an idea build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events


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and other economic, social and environmental shocks and disasters.

- **Praudyogeek**

Praudyogeek created an idea to warning DANGER AHEAD!, Design an easy-to-use tool to allow the public to discover and understand landslide data, and to contribute their own observations for use by emergency managers.

RESOURCES PROVIDED:

- Brochures, posters – Printed and online.
- Food (Breakfast, Lunch, evening tea, Dinner, tea & snacks, Breakfast).
- Electricity.
- Wi-fi.
- Water supply.
- Faculty & Student Incharges.
- Photography.
- Social media support.
- Kits, ID cards and Tags.
- Mementos to the winners.
- Certificates to the winners & volunteers
- Certificates to all the participants (to be provided by SUMVN)

Results:

- The event was successful with 227 participants.
- Among 65 teams 5 top teams were selected for the next round of the national level of Hackathon.
- The winners were chosen to attend the bootcamp, wherever it is held

Feedback and learning points:

Director:

Dr. Pawan Gupta

Such hackathons provide a good opportunity to the students for exhibiting their creative talent and entrepreneurial skills. These should be held regularly to make the students aware of their environment and problems existing around us.

Coordinator:

The pre-qualification Hackathon conducted at our college by SUMVN was very useful to our students in exploring their innovative skill and enhancing their knowledge levels.


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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 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.



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