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: *23rd & 24th August 2024*
DURATION: 24 hours.

LOCATION: Centre for Innovation, Incubation, Research, and Entrepreneurship (C-i2RE) at KITS Warangal

ORGANIZERS:

- Dr Raja Narendra Reddy (HoD)
- Dr V Raju Reddy
- Dhruti S Das
- Rakesh Kumar Sahu
- Chethan N C
- Akash Elakanti

Number of Volunteers: 20

GOALS:

- **Foster Innovation**: Encourage the development of creative solutions to the problem statements provided by the NASA Space Apps Challenge, leveraging open-source data and advanced technologies.

- **Promote Hackathon Culture:** Introduce students to the dynamics of hackathons, enhancing their ability to address real-world challenges using NASA's open data, while fostering a hands-on problem-solving approach.

- **Build a Student Innovation Community:** Establish a Space Apps Student Community in Tier 2 and Tier 3 institutions, aimed at nurturing collaboration, innovation, and continuous learning in space-related technologies and challenges.

- **Facilitate Progression to Advanced Rounds:** Provide a platform for students who excel in the pre-qualification round to advance to the national level, where they will compete against other regional winners in more advanced challenges.

SPACE APPS CHALLENGE CONDUCTED:

❏ **Kakatiya Institute of Technology and Science, Warangal**

Date: 23rd & 24th August 2024

Guests: Sai Kiran Katapally (Founder of SUMVN),
Narendra Krishna (CEO of SUMVN) and SUMVN team

No of students Participated : 110

The boot camps for the pre-qualification round of the NASA Space Apps Challenge were organized in KITSW . Distinguished guests, Mr. Sai Kiran and Mr. Narender Krishna, local leads of Space Apps Hyderabad, introduced the students to the event and its significance. They delivered an insightful presentation on how the challenge was conducted, outlining the process for registration, innovation, and pitching strategies.

They emphasized the value the event could add to the participants' careers and shared their vision of establishing a Space Apps Student Community at KITSW. This community would serve as a platform for students to collaborate, develop their skills, and work on projects for future challenges. The speakers also provided detailed information on the previous year's problem statements and themes, helping students gain clarity on the areas they would be working on. An interactive session followed, allowing participants to engage more deeply and gain a comprehensive understanding of the event's expectations and opportunities.

ABOUT THE EVENT

AGENDA OF THE EVENT:

Day 1:

S. No	Schedule	Timings
1	Registration Process	10:00 AM – 11:00 AM
2	Event Inauguration and Felicitation	11:00 AM – 11:30 AM
3	Introduction of NASA Space Apps Challenge	11:30 AM – 12:00 PM
4	Team Introduction and Elevator Pitching	12:00 PM – 12:40 PM
5	Lunch Break	12:40 PM – 1:30 PM
6	Working on ideas	1:30 PM – 2:30 PM
7	Talk by Guest	2:30 PM – 3:00 PM
8	Mentoring Session	3:00 PM – 5:00 PM
9	1st round of Scrutinization	5:00 PM – 6:00 PM
10	Break	6:00 PM – 6:30 PM
11	Mapping and processing on ideas	6:30 PM – 8:30 PM
12	Networking and Prototyping	8:30 PM – 9:30 PM

13	Dinner	9:30 PM – 10:30 PM
14	Mentoring session	10:30 PM – 1:00 AM

ABOUT THE EVENT (in details):

The event began with an inauguration ceremony after which the pitching started. Around 29 teams registered and participated as a part of the pre-qualifier round. During the elevator pitch, each team was given about 2 minutes to register their team into the competition.

Post lunch, the students started working on their ideas from given challenges. The mentoring was provided to students by experts on Android Developing, Web developing, Artificial Intelligence and Blockchain. They were also mentored on projects related to Civil, Electrical, Electronics and Mechanical backgrounds.

Students were able to interact with the mentors from SUMVN and get valuable inputs from them and validate their ideas and work on the loopholes their ideas might have.After which the mentor validated the ideas of students.

MEMBERS OF THE JURY:

- Mr. Sai Kiran Katapally (Local Lead of Space Apps Hyderabad)
- Mr. Narender Krishna (Local Lead Space Apps Hyderabad).

In addition to the intense problem-solving and innovation, the program also featured a fun session to help students unwind and break down the stress. This session provided a much-needed opportunity for participants to relax, recharge, and bond with fellow team members. It not only enhanced the overall experience but also fostered a positive and energetic atmosphere, ensuring that students stayed motivated and refreshed throughout the event.

Day 2:

15	Fun Session	1:00 AM – 2:00 AM
16	2nd round of Scrutinization	2:00 AM – 4:00 AM
17	Validation of ideas	4:00 AM – 6:30 AM
18	Break	6:30 AM – 7:30 AM
19	Final round Scrutinization	7:30 AM – 10:00 AM
20	Winners Announcement and closing ceremony	10:00 AM – 11:00 AM

RESOURCES PROVIDED:

- Printing brochures and posters.
- Food (Breakfast, Lunch and Dinner).
- Tea and snacks.
- Electricity.
- Wi-fi.
- Faculty incharges.
- Social media support.
- Kits, ID cards and Tags.
- Momentos.
- Certificates.

Results:

- The event was successful with 110 participants.
- Among 28 teams 6 top teams were selected for the next round of the National level Hackathon organized at Chandigarh University.
- The winners were chosen to take part in the National Level Hackathon in Chandigarh University .

Conclusion:

The NASA Space Apps Hackathon was an outstanding success, bringing together innovative minds from various backgrounds to tackle some of the most pressing

challenges faced by our planet and beyond. The enthusiasm, creativity, and problem-solving skills displayed by the participants were truly inspiring. With numerous teams developing groundbreaking solutions, the event fostered collaboration, learning, and a spirit of innovation. The selection of several teams as global nominees is a testament to the high level of talent and dedication exhibited throughout the hackathon. We are proud of all the participants and excited to see where their projects will lead in the future.

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