NASA SPACE APP CHALLENGE, 2019 EVENT REPORT

NASA Space App Challenge (Pre-Qualifier Round)

The concept

NASA International Space Apps Challenge, an initiative by NASA's Earth Science Division, has grown to be the world's biggest internal Hackathon, enticing a big number of residents each year across the globe to participate in this event. The event helps in building progressive solutions for challenges we face on Earth and in-house by usage of open source data.

Date: 14th and 15th September 2019

Duration: 24 Hours

Venue: Methodist College of Engineering and Technology

Goals of the Event:

➢ To bring new innovative ideas and solutions to the problem statements provided by NASA 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 Community by innovative ideas.

➢ People selected in Pre Qualification will be sent to the next level of Hackathon where they will be competing with different zonal winners.

Number of Teams Registered: 57

Agenda of the Event:

Day1:

S. No	SESSION	TIME	VENUE – BLOCK D
1.	Registrations	9:30 to 11:00	Library
2.	Inauguration by guests	11:00 to 11:15	Seminar Hall
3.	Introduction to NASA Space Apps Challenge	11:15 to 11:30	Seminar Hall
4.	Team introduction and Elevator Pitching	11:30 to 12:40	Seminar Hall
5.	Lunch	12:40 to 13:30	Seminar Hall
6.	Working on ideas	13:30 to 15:30	Seminar Hall
7.	Talk by GUEST	15:30 to 16:00	Seminar Hall
8.	Mapping and processing on Ideas	16:00 to 18:00	Seminar Hall
9.	Break	18:00 to 18:30	Seminar Hall
10.	Mentoring on ideated teams	18:30 to 20:00	Seminar Hall
11.	Dinner	20:00 to 21:00	Seminar Hall
12.	1st round of Scrutinization	21:00 to 23:00	Seminar Hall

Day 2:

S. No	SESSION	TIME	VENUE
13.	Networking and Prototyping	23:00 to 01:00	Seminar Hall
14.	Fun session	01:00 to 02:00	Seminar Hall
15.	Validation of Ideas	02:00 to 03:00	Seminar Hall
16.	2nd Round of Scrutinisation	3:00 to 5:00	
17.	Freshup and Breakfast	06:00 to 08:30	Seminar Hall
18.	Final Scrutinisation	07:00 to 08:30	Seminar Hall
19.	Final Pichings	08:30 to 8:45	Seminar Hall
20.	Announcement of Winners	08:45 to 09:10	Seminar Hall
21.	Closing ceremony	09:10 to 09:30	Seminar Hall

About the Event:

The event was inaugurated in the morning with a candle lighting ceremony to acknowledge the start of the **24 hour event**. This was followed by elevator pitching where all the 57 teams were given 2 minutes each and presented a glimpse of what they'd be doing for the next 24 hours. It's safe to say that the event was run seamlessly as it had been precisely managed by many volunteers who made sure the contestants had no issues in any aspect of their precious time. It was finally time for the first meal of

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the day followed by some snack to keep the participants fueled. Then the contestants went back to work on their ideas.

The first level scrutinization was conducted, where the participants had to pitch their ideas to the first jury member and he graded all the batches on their ideas and various aspects like ideation , Business Model ,Technical and Power and provided scope for improvement for a plethora of models . It was then time for Dinner followed by a Fun session which was initiated by the Volunteers. It was conducted at around 2 A.M., although the audience was exhausted, it sure gave them a good time. It was another intense couple of hours until the participants were tested again by a second wave of scrutinization. By the Telangana Lead of NASA Space App Challenge. After an hour of rest and breakfast, the participants were introduced to for the final round of scrutinization. This led to the folding of the event by announcing the results. **The top 5 teams would go to Delhi for the nationals of the NASA space app challenge.**

Members of the Jury:

➤ **Mr. Abhishek A Bhagat Scientist - F of Defense Research and Development**
- **Organisation (DRDO).**
➤ **Mr. VijayBabu Varma -Principal Consultant ModelN Software India Pvt. Limited**
➤ **Mr. KalyanDikshit - Developer-Google**

Winners of the Hackathon:

TECHNICAL WINNERS:

➤ **Position: 1st Winner**
   Challenge Selected: EMERGENCY DRIVER MEDICAL ASSISTENCE
   Team Members: M. RISHIKESH
                  A. SAI PRAGNA
                  M. KARTHIK
                  B. SUNNY
➤ **Position: 2nd Winner**
   Challenge Selected: GAS, RADAR, VISUAL MAPPING ROVER
   Team Members: ANAMUR RAHMAN LARAIB
                  SHAHMIR PARVEEZ
                  JAYAKAR
                  MD. AWAISUDDIN N. KHAN

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- **Position: 3rd Winner**
  Challenge Selected: LIFE ON MARS
  Team Members: KHAJA QUSAAFUDDIN AHMED
  P SANJU
  M GURUDEEP
  MSV SAI PRANEETH (CSE I Year)
- **Position: 4th Winner**
  Challenge Selected: HACKERS IN BLUE
  Team Members: ABDUL MUTAKABBIR
  M.K. BARKAT UDDIN
  MD. SADUDDIN
  MOHD IRSHAD MUKKARAM
- **Position: 5th Winner**
  Challenge Selected: REMIXING THE GOLDEN RECORD
  Team Members: ABDUL MOID KHAN MOHAMMED
  MOHAMMED ADNAN
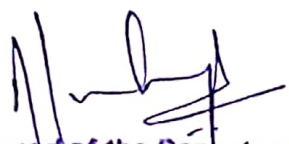 PRATTIPATI SRI RAVITEJA

  GURSIMAR SINGH

NON- TECHNICAL WINNER:

- **Position: 1st Winner**
  Challenge Selected: NASA SPACE APPS: THE DOCUMENTARY
  Team Members: SAI PRAVALLIKA
  SREE NANDINI
  JAHNAVI VULLI
  M VAISHNAVI

Resources Provided:

- Printing posters and Banners
- Food
- Tea and Snacks
- Electricity
- Wi-Fi
- Water Supply
- Faculty in- charges
- Photography
- Security and disciplinary committee
- Social and media support
- Kits, id cards and tags
- Momentos
- Certificates

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Results:

- The event was successful with 219 participants.
- Among 57 teams 5 top teams were selected for the next round of the national level Hackathon at Delhi.

Feedback and learning points:

Director:

Dr. M. Lakshmipathi Rao

Our students has got good exposure to the real time scenarios by attending the pre qualification Hackathon organized by SUMVN at our college, and a new dimension thinking capability of the students has made them to innovate and explore the new ideas. This event would not have been successful without the constant help and support of the HOD, Mrs. Lavanya Pamulaparty and her team and a vast number of people in the management of this event including Class coordinators and other section heads.

Coordinator:

Mrs. Lavanya Pamulaparty

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. We got to know about the no. of participants and had a chance to listen to their ideas which were all unique and innovative. It was a good experience to be in ICRISAT for the first time. The overwhelming participation of students made the Hackathon very successful.

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 Hackathon 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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