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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: *8th and 9th septmeber2018*

DURATION: 24 hours.

LOCATION: RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous), NH-40, Nandyal, Kurnool-Dt. A.P.
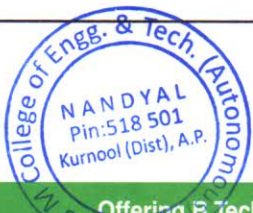
Convenor:
- Dr.A.Sathish

Event Coordinator:
- Mr. M.K.Kaushik

Faculty Coordinators:
- Shaik. Abdul Rahim
- R. Mahammad Rafi
- J.Leela Mahendra Kumar
- S.V.Ratan Kumar
- N. Fouzia Sulthana

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Organizing Team:

- Pallavi.G
- Nikhila.Y
- Saichand.A
- Lavanya.G
- Maniteja.D
- Srinivasa Rohith.G
- T.Vani

- Premsai.T
- Neelima.M
- Naga Mahendra Reddy.V
- Nikhitha Veronica.T
- Sivaprasad.S
- L.Vani
- Ragavi Prashanthi.D
- Swetha.S

Number of Volunteers: 30

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
- People selected in Pre Qualification will be sent to local level of hackathon where they will be competing with different zonal winners.

CAMPAIGN CONDUCTED :

❏ **RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY:**

Date: 07/08/18 to 07/09/18

The faculty and students of RGMCET promoted the NASA SPACE APPS CHALLENGE- HACKATHON event organized by sumvn to all the departments of different colleges by direct interaction, social media, posters and promos through the guidance of MR. M.K Kaushik, he also widely promoted the event to different colleges with a great effort to make the event successful. Many students of RGMCET and other different colleges were highly motivated by the promotions, responded positively and came forward with their new ideas.

ABOUT THE EVENT

PREVIOUS YEAR 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 : 138
NO OF TEAMS REGISTERED   : 38

AGENDA OF THE EVENT:
Day 1:

S.No	SESSION	TIME	VENUE
1.	Registrations	8:30 to 9:30	Gallery Hall
2.	Inauguration by guests	10:00 to 11:15	Gallery Hall
3.	Introduction to NASA Space Apps Challenge	11:15 to 11:30	Gallery Hall
4.	Team introduction and Elevator Pitching	11:30 to 12:40	CSE Lab
5.	Lunch	12:40 to 13:30	Dining Hall
6.	Working on ideas	13:30 to 15:30	CSE Lab
7.	Talk by Sai Kiran	15:30 to 16:00	CSE Lab
8.	Mapping and processing on Ideas	16:00 to 18:00	CSE Lab
9.	Break	18:00 to 18:30	CSE Lab
10.	Mentoring on ideated teams	18:30 to 21:30	CSE Lab
11.	Dinner	21:30 to 22:30	Dining Hall
12.	Networking and Prototyping	22:30 to 00:00	CSE Lab

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Day 2:

S.No	SESSION	TIME	VENUE
13.	Fun Session	00:00 to 01:30	CSE Lab
14.	Networking and Prototyping	01:30 to 02:30	CSE Lab
15.	Validation of Ideas	02:30 to 03:30	CSE Lab
16.	1st round of Scrutinization	03:30 to 07:30	CSE Lab
17.	Freshup and Breakfast	07:30 to 09:00	CSE Lab
18.	2nd round of Scrutinization	09:00 to 10:30	CSE Lab
19.	Final Pichings	10:30 to 12:30	CSE Lab
20.	Awarding Ceremony	12:30 to 01:10	CSE Lab
21.	Closing ceremony	01:10 to 1:30	CSE Lab

ABOUT THE EVENT (in detail):

The event began with an inauguration ceremony after which the pitching started. Upto 38 teams were 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 RGMCET to 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. During the first scrutinization each team was given 3 to 5 minutes of time to pitch their idea among which top 10 teams were selected to move into the next round. The second round of pitching started after Breakfast after which top 5 teams were selected by the jury and awarded.

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MEMBERS OF THE JURY:

- Mr. Sai Kiran Katapally (Founder of SUMVN)
- Mr. Manish Kumar Gutta (Founder and CEO of Outshade Digital Media).
- Ms. Akshatha Rao (HR and Marketing head of SUMVN)
- Ms. Priyanka Gajanan (Head of operations of SUMVN)
- Mr. Hemang Vellore(Founder and CEO of Youngceo)
- Dr. P. V.Gopi Krishna Rao (Professor of ECE Department, RGMCET)
- Mr. M.K. Kaushik(Assistant Professor of ECE Department, RGMCET)
- Dr. J. Sofia Priyadarshini (Assistant Professor of ECE Department, RGMCET)
- Dr. Suresh Rao S (Professor of EEE Department, RGMCET)
- Dr. Vijaya Rajan (Professor of ECE Department, RGMCET)

The winners were selected based on how technically sound they were, their creativity and the open data sets used by the students.

RESOURCES PROVIDED:

- Printing brochures and posters.
- Food (lunch, dinner and breakfast).
- Tea and snacks.
- Electricity.
- Wi-fi.
- Water supply.
- Faculty incharges.
- Photography.
- Social media support.
- Transportations.
- Certificates.

Results:

- The event was successful with 138 participants.
- Among 38 teams 5 top teams were selected for the next round of the local level of Hackathon.
- The winners were chosen for NASA space apps 2018, Delhi.

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Feedback and learning points:

Principal:

Dr. T. Jayachandra Prasad

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.

Convenor:

Dr .A. Sathish

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.

Event Coordinator:

Mr. M.K. Kaushik

NASA space apps challenge 2018 organized by sumvn is a great platform for our students to interpret their ideas into prototypes and develop them into products and also to explore business model of their prototypes.

- Local Leads mentioned that this is not final hackathon there will be one more level of hackathon where finalist need to work on 2018 challenges.
- We got to know about the no. of participants and had a chance to listen to their ideas which were all unique and innovative.

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.