



RGM COLLEGE OF ENGINEERING AND TECHNOLOGY **(AUTONOMOUS)**

NANDYAL-518501, KURNOOL (Dt.), A.P., INDIA

Phone : 08514 - 275201, 275203, 275204. Fax : 08514 - 275123, 275526
Web: www.rgmcet.edu.in | E-mail: principal.9@jntua.ac.in | E-mail: principal@rgmcet.edu.in

Date: 16.10.2019

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: 4th and 5th October 2019

DURATION: 24 hours.

LOCATION: R.G.M COLLEGE OF ENGINEERING AND TECHNOLOGY
,NANDYAL

ORGANIZERS:

Faculty Coordinator:

- Dr.M.K. Kaushik

Organizing Team:

- Maharshi
- Naveen
- Imran
- Pallavi
- Prem Sai

Dr. T. JAYACHANDRA PRASAD

M.E, Ph.D., FIE, FIETE, MNAPEN, MISTE, MIEEE
PRINCIPAL

R.G.M College of Engg. & Tech.
(Autonomous)

NANDYAL-518 501, Kurnool(Dt), A.P.

WORLD BANK FUNDED INSTITUTION

Offering B.Tech., M.Tech., M.B.A., M.C.A and Ph.D. Programs

Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuram

Accredited by NBA of AICTE (B.Tech. in Civil, EEE, ECE & Mech. Engg)., Accredited by NAAC of UGC with "A⁺" Grade

UGC Conferred CPE status (College with Potential for Excellence)., APSSDC - SIEMENS-TSDI (Technical Skill Development Institute)

Recognized UGC DDU Kaushal Kendra

Number of Volunteers: 10

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.

BOOTCAMPS CONDUCTED:


❑ R.G.M ENGINEERING COLLEGE:

Date: 30th -Sept-2019 & 1st-October-2019.

Guests: Sai Kiran Katapally (Founder of SUMVN)

No of students attended: 200

The boot camps for pre-qualifier round of hackathon were conducted by the RGM CET organizing team where our guest Mr. Sai Kiran who is lead of Space Apps India, introduced our students about the event and its importance. He gave a presentation on how the event was conducted back in 2016, 2017 and 2018. He 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. He talked about the 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 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.


Dr. T. JAYACHANDRA PRASAD
M.E, Ph.D., FIE, FIETE, MNAFEN, MISTE, MIEEE
PRINCIPAL
R G M College of Engg. & Tech.
(Autonomous)
NANDYAL-518 501, Kurnool(Dt), A.P.

ABOUT THE EVENT

PREVIOUS YEAR CHALLENGES ON WHICH THE STUDENTS WORKED ON:

- Can You Build A...
- Help Others Discover The Earth
- Volcanoes, Icebergs, And Asteroids (Oh My)
- What The World Needs Now Is...
- An Icy Glare
- A Universe Of Beauty And Wonder


NO OF PARTICIPANTS ATTENDED: 100

NO OF TEAMS REGISTERED: 25

AGENDA OF THE EVENT:

Day 1:

S.No	SESSION	TIME	VENUE
1.	Registrations	9:30 to 11:00	Ground
2.	Inauguration by guests	11:00 to 11:15	ECELL
3.	Introduction to NASA Space Apps Challenge	11:15 to 11:30	ECELL
4.	Team introduction and Elevator Pitching	11:30 to 12:40	ECELL
5.	Lunch	12:40 to 13:30	DINING HALL
6.	Working on ideas	13:30 to 15:30	ECELL
7.	Talk by Sai Kiran	15:30 to 16:00	ECELL
8.	Mapping and processing on	16:00 to 18:00	ECELL


Dr. T. JAYACHANDRA PRASAD
M.E, Ph.D., FIE, FIETE, MNAFEN, MISTE, MIEEE
PRINCIPAL
R G M College of Engg. & Tech.
(Autonomous)
NANDYAL-518 501, Kurnool(Dt), A.P.

	Ideas		
9.	Break	18:00 to 18:30	ECELL
10.	Mentoring on ideated teams	18:30 to 21:30	ECELL
11.	Dinner	21:30 to 22:30	DINING HALL
12.	Networking and Prototyping	22:30 to 00:00	ECELL


Day 2:

S.No	SESSION	TIME	VENUE
13.	Networking and Prototyping	00:00 to 01:30	ECELL
14.	Fun session	01:30 to 02:30	ECELL
15.	Validation of Ideas	02:30 to 03:30	ECELL
16.	1st round of Scrutinization	03:30 to 06:30	ECELL
17.	Fresh up and Breakfast	06:30 to 07:00	DINING HALL
18.	2nd round of Scrutinization	07:00 to 08:30	ECELL
19.	Final Pichings	08:30 to 8:45	ECELL
20.	Awarding Ceremony	08:45 to 09:10	ECELL
21.	Closing ceremony	09:10 to 09:30	ECELL

ABOUT THE EVENT (in detail):

The event began with an inauguration ceremony after which the pitching started. Upto 25 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 Block chain. They were also mentored on projects related to Civil, Electrical, Electronics and Mechanical backgrounds.


Dr. T. JAYACHANDRA PRASAD
 M.E, Ph.D., FIE, FIETE, MNAFEN, MISTE, MIEEE
 PRINCIPAL
 R G M College of Engg. & Tech.
 (Autonomous)
 NANDYAL-518 501, Kurnool(Dt), A.P.

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.

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 2 teams were selected by the jury and awarded.

MEMBERS OF THE JURY:

- Mr. Sai Kiran Katapally (Lead of Space App India)

The winners were selected based on how technically sound they were, their creativity and the open data sets used by the students. The winners were also chosen for a boot camp that was conducted on 4th October 2019, where they were asked to update about the progress about the project that they presented on the day of the hackathon.

RESOURCES PROVIDED:

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

Results:

- The event was successful with 100 participants.
- Among 25 teams 2 top teams were selected for the Finals happening in 91 Spring boards, Noida, New Delhi.

Feedback and learning points:

Principal: Dr. T.JayaChandra Prasad

Our students have 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 new ideas.

Coordinator: Dr.M.K. Kaushik

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

- The bootcamp at RGM CET was good, we expected for the speakers Mr. Kaushik proper appraisal about the scenarios of pitching elements and team filtration process of the next round & Local Leads mentioned that this is not final hackathon there will be one more level of hackathon where finalist need to work on 2019 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. It was a good experience to be in RGM CET for the first time.


Dr. T. JAYACHANDRA PRASAD
M.E, Ph.D., FIE, FIETE, MNAFEN, MISTE, MIEEE
PRINCIPAL
R G M College of Engg. & Tech.
(Autonomous)
NANDYAL-518 501, Kurnool(Dt), A.P.

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.

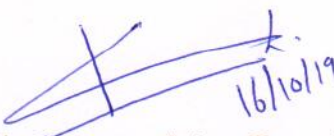
Selected teams for FINAL NASA SPACE APPS HACKATHON 2019

TEAM ANTARIKSH

A.Praveen
V.Dasaradha
M.Jagadesh Kumar
S.Sameer

TEAM SANKALP

S.Navya Sri
S.Chand Basha
Manjula


Signature of the Coordinator




Signature of the Principal

Dr. T. JAYACHANDRA PRASAD
M.E, Ph.D., FIE, FIETE, MNAFEN, MISTE, MIEEE
PRINCIPAL
R G M College of Engg. & Tech.
(Autonomous)
NANDYAL-518 501, Kurnool(Dt), A.P.