

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution)

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SPACE APPS CHALLENGE EVENT REPORT

(Pre-Qualifier Round)

CONCEPT:

Space Apps is an international hackathon that occurs over 48 hours in cities around the world. Coders, scientists, designers, storytellers, makers, builders, technologists, and everyone enthusiastic about curiosity come together to address challenges we face on Earth and in space!

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: 24th and 25th September 2019

DURATION: 24 hours.

LOCATION: Sir M. Visvesvaraya Institute of Technology, Bengaluru, Karnataka

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli,
International Airport Road, Bangalore-562157.

ORGANIZERS:

CONVENOR:

- Dr.G.C. Banu Prakash (Professor and Head)

EVENT COORDINATORS:

- Mr. Srinivasa B.C (Associate Professor)
- Mrs. Rekha B.N (Associate Professor)
- Mr. Ravikumar H.R (Assistant Professor)
- Ms. Dhivya. V (Assistant Professor)

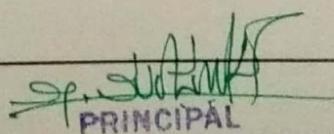
FACULTY COORDINATORS:

- | | |
|-------------------------|-------------------------|
| • Dr. Suma Swamy | • Mrs. Mohammadi Kousar |
| • Mrs. Sheela Kathavate | • Ms. Dhivya V |
| • Mrs. Pallavi R | • Mrs. Supriya H.S |
| • Dr. Rashmi Amardeep | • Mrs. Monika Rani H.G |
| • Dr. Savitha Choudhary | • Mrs. Savithri R |
| • Dr. Ajina A | • Mrs. Nethra |
| • Mr. Elaiyaraja P | • Mrs. Savithri C |
| • Mrs. Savitha P | • Mr. Venkata Raju |
| • Mrs. Mayuri K.P | |

Number of Volunteers: 21

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 order to bridge gap between 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.



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ABOUT THE EVENT

PREVIOUS YEAR CHALLENGES:

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

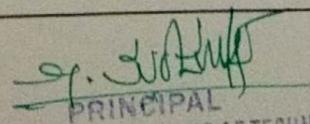
NO OF PARTICIPANTS ATTENDED: 89

NO OF TEAMS REGISTERED: 22

AGENDA OF THE EVENT:

Day 1:

SI. No	SESSION	TIME	VENUE
1.	Registrations	8.30 to 10:00 AM	CSE Seminar Hall
2.	Invocation	10:00 to 10:05 AM	CSE Seminar Hall
3.	Welcome address by Dr G.C Banuprakash (HOD)	10:05 to 10:10 AM	CSE Seminar Hall
4.	Lighting the lamp	10:10 to 10:15 AM	CSE Seminar Hall
5.	Introduction of Resource Person	10:15 to 10:20 AM	CSE Seminar Hall
6.	Address by Chief Guests	10:20 to 10:45 AM	CSE Seminar Hall
7.	Tea Break	10:45 to 11:00 AM	CSE Seminar Hall


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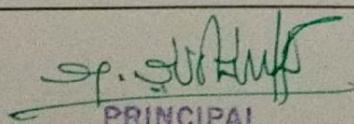
8.	Hack Starts	11:00 AM to 1:00 PM	CSE Seminar Hall
9.	Lunch Break	1:00 to 2:00 PM	Boys Hostel
10.	Session-2	2:00 to 3:00 PM	CSE Seminar Hall
11.	Checkpoint-1 and End of Day1	3.00 to 4.00 PM	CSE Seminar Hall

Day 2:

SI. No	SESSION	TIME	VENUE
12.	Hack Resumes	9:00 to 12:00 PM	Lab
13.	Checkpoint-2	12:00 to 1:30 PM	Lab
14.	Lunch Break	1:30 to 2:30 PM	Boys Hostel
15.	Idea Pitch and Presentation	2:30 to 4:30 PM	CSE Seminar Hall
16.	Valedictory and closing keynote	4:30 to 5:00 PM	CSE Seminar Hall

ABOUT THE EVENT (in detail):

The event had been organized by the CSE Department of Sir MVIT College, Bengaluru. The event began with an inauguration ceremony after which the pitching started. Up to 22 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 present their ideas.



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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, Block Chain and Machine Learning.

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 11 teams were selected to move into the next round. The second round of pitching involved top 5 teams being selected by the jury and awarded.

MEMBERS OF THE JURY:

- Mr. Katapally Sai Kiran (Local Lead of Space Apps Hyderabad, Founder and CEO of SUMVN).
- Mr. Keshav Thiwari (Leading Manager, Sandmartin Consultant Pvt. Ltd.).

The winners were selected based on how technically sound they were, their creativity, presentation ability to define their concept work and the open data sets used by the students.

WINNERS OF THE HACKATHON:

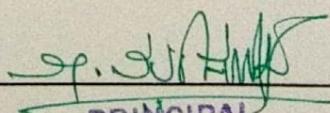
1st

Team Name: Byte for bait

Challenge Selected: Spot that fire

Team Members:

- Sanchit L
- Akshat J
- Somyam K
- Avikant K
- Harsh K



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2nd

Team Name: Scooby

Challenge Selected: Wildfire detection

Team Members:

- Aditi simha
- Anusha G
- Athul Srinivas
- Mayura R
- Shivesh Srivastava

3rd

Team Name: falcon mach V

Challenge Selected: Mission to the moon

Team Members:

- S Vignesh
- Tanupriya A G
- Suparna C
- Upendra Gupta
- Aman Keshri

RESOURCES PROVIDED:

- Brochures and Posters – Printed and Online
- Food (breakfast and dinner).
- Tea and snacks.
- Electricity.
- Wi-fi.
- Water supply.
- Faculty in-charge.
- Photography.
- Social media support.
- Transportations.

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- Kits, ID cards and Tags.
- Mementos.
- Certificates.

Results:

- The event was successful with 89 participants.
- Among 22 teams 3 top teams were selected for the next round of the local level of Hackathon.
- The winners were chosen to compete for NASA space app challenge 2019, to be conducted in Delhi.

FEEDBACK AND LEARNING POINTS:

Principal:

Dr.V.R. Manjunath

Privileged to host zonal level hackathon at Sir MVIT. The event provides an innovative way to solve social and environmental problems. Real time monitoring and interactions with the mentors guided them to understand, analyse and design solutions to the complex challenges.

Convenor:

Dr. G.C Banu Prakash

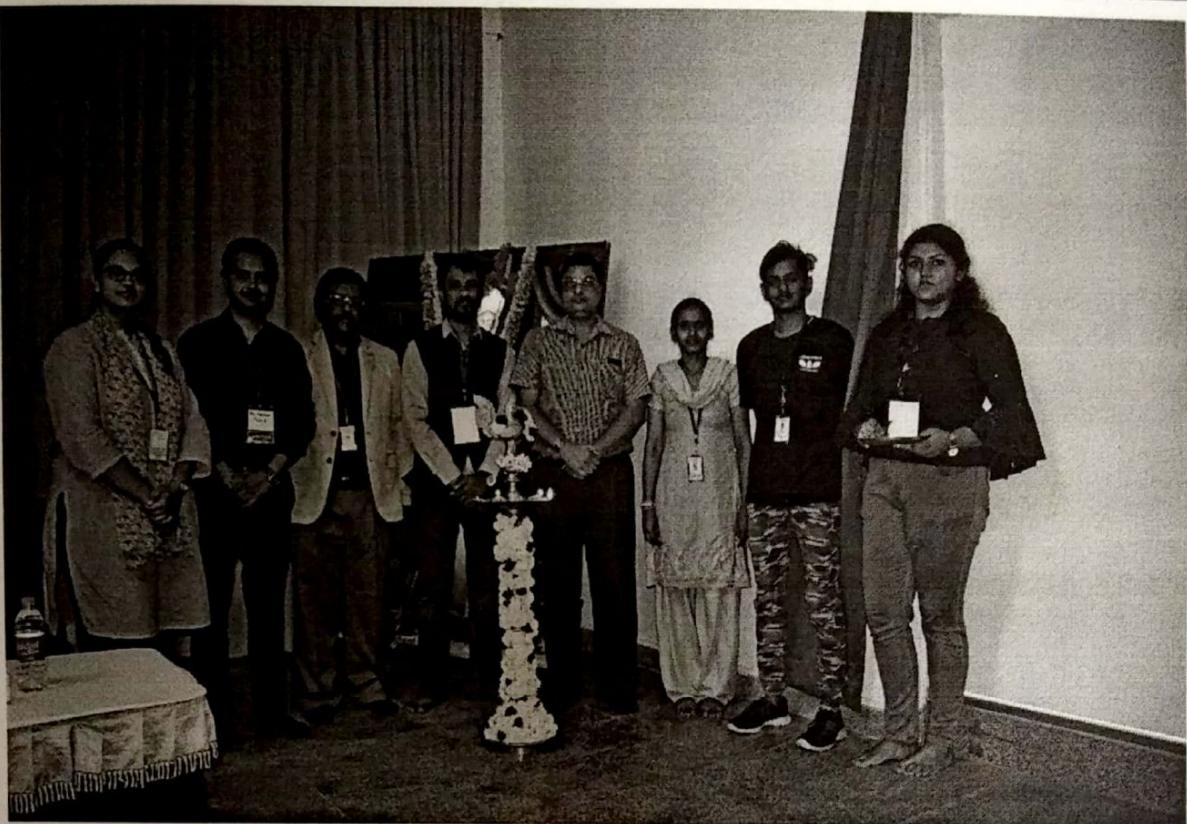
Our students have got good exposure to the real time scenarios by attending the pre-qualification Hackathon organized by SUMVN at our college, and a new dimension thinking capability of the students has made them to innovate and explore the new ideas.

Event Coordinators:

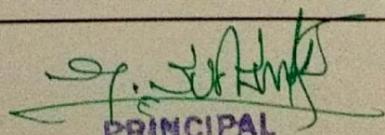
It was indeed a great opportunity for our students, who got a platform to exhibit their innovative ideas and go beyond their regular academia. The overall involvement of student organizers along with the faculty led to the grand success of this event.

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