



# DREAM INSTITUTE OF TECHNOLOGY

Approved by AICTE & Affiliated to WBUT

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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:** 25<sup>th</sup> August 2019

**DURATION:** 10 hours.

**LOCATION:** Dream Institute of Technology, Kolkata.

#### ORGANIZER:

**Faculty Coordinator:**

- Mr. Sayan Majumder

**Organizing Team:**

- Mrs. Anindita Mukherjee
- Mr. Koushik Bhattacharyya
- Mr. Tanmoy Rakshit

**Number of Volunteers:** 15

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



## **IoT WORKSHOP CONDUCTED:**

### **□ DREAM INSTITUTE OF TECHNOLOGY:**

**Date:** 24<sup>th</sup> August 2019

**No of students attended:** 103

**Guests:** Mr. Arijit Hajra (CEO of Think Again Lab),

Ms. Naina Singh(COO of Think Again Lab)

Mr. Sayandeep Majumdar (CTO of Think Again Lab)

Mr. Uddipan Paul (Robotics Engineer of Think Again Lab)

The IoT workshop for pre-qualifier round of hackathon were conducted by the DIT organizing team where our guests Mr. Arijit Hajra, Ms. Naina Singh, Mr. Sayandeep Majumdar, Mr. Uddipan Paul who are local lead of Space Apps Kolkata, introduced our students about the event and its importance. They gave a presentation on how the event was conducted back in 2017 and 2018. They 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. They talked about their 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 on 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. After that they conducted the IoT workshop for students. The students gathered practical knowledge on IoT during this 6hrs workshop. Workshop kit was given by Think Again Lab to the students.

## **ABOUT THE EVENT**

This was the first time that the NASA Space Apps Challenge was conducted at Dream Institute of Technology.

**NO OF PARTICIPANTS ATTENDED: 103**

**NO OF TEAMS REGISTERED: 34**



## AGENDA OF THE EVENT:

<u>Schedule for Hackathon Day</u>	
8.30 AM - 10.00 AM	Gates open for Registration Process
10.00 AM - 11.00 AM	Introduction of the judge and felicitation followed by an Interactive Talk Show Regarding problems on engineering life, career and beyond.
11.00 AM - 1.30 AM	Final Stage Prototyping and presentation Build up. Parallely Judge will visit every table.
1.30 PM -2.00 PM	Lunch
2:00 - 3:00 PM	Top 9 team will be chosen for Pitching and demonstration in front of the whole house and the Judge will choose 2 teams and the audience will choose 3 teams.
3:00 PM - 4.30 PM	Pitching and demonstration will start. 5 Minutes for presentation and 3 minutes for Q/A.
4.30 PM - 5:00 PM	Coffee and Vote
5:00 PM - 5.45 PM	Certificate Distribution and winner facilitation
5:45 PM - 6:15 PM	"Make yourself Industry ready" By Mr. Arijit Hajra, CEO, Think Again Lab and Closing ceremony speech by Sayandeep Majumdar, CTO, Co-founder, Think Again Lab.

### ABOUT THE EVENT (in detail):

The event began with an inauguration ceremony after which the pitching started. Upto 34 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, Electronic and Mechanical backgrounds, painting and model making..

Students were able to interact with the mentors from THINK AGAIN LAB 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 9 teams were selected to move into the next round.

The second round of pitching started after which top 3 teams were selected by the jury and awarded.

#### **MEMBERS OF THE JURY:**

Mr. Arijit Hajra (CEO of Think Again Lab).

Ms. Naina Singh (COO of Think Again Lab)

Mr. Sayandeep Majumdar (CTO of Think Again Lab)

Mr. Uddipan Paul (Robotics Engineer of Think Again Lab)

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.
- Tea and snacks.
- Electricity.
- Wi-fi.
- Water supply.
- Faculty incharges.
- Photography.
- Social media support.
- Transportations.
- Kits, ID cards and Tags.
- Mementos.
- Certificates.

#### **Results:**

- The event was successful with 103 participants.
- Among 34 teams 3 top teams were selected for the next round of Hackathon.

#### **Feedback and learning points:**

##### **Principal:**

**Dr. Dipankar Sarkar**

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

##### **Coordinator:**

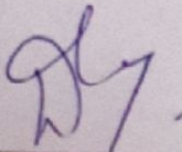
**Mr. Sayan Majumder**

"The pre qualification Hackathon conducted at our college by Think Again Lab was very useful to our students in exploring their innovative skill and enhancing their knowledge levels."



### 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.



Dr. Dipankar Sarkar  
Principal

Dr. D. Sarkar  
Principal

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