FIXCELL

presents

India's Biggest **HACKATHON®**

NASA SPACE APPS CHALLENGE 2018

SMART CITY CHALLENGES

CYBER SECURITY CHALLENGES

Supported by

TITA

Launch of HACKATHON by Sri Jayesh Ranjan garu, IT secretary

India's Biggest HACKATHON® is a non-profit initiative to organise

1) NASA SPACE APPS CHALLENGE HYDERABAD 2018.
2) SMART CITY HACKATHON
3) CYBER SECURITY HACKATHON

for Engineering, Degree, Govt Schools & High school students in Telangana. Students from all over Telangana will come together to a two-day hackathon event, where participants come up with a solution for global challenges. The whole program has been presented by FIXCELL AND DIGITHON

supported by Government of Telangana and Telangana Information Technology Association (TITA).

FIXCELL is a Startup which does doorstep mobile repair service all over Hyderabad. It got incubated from Progress softwares Ilabs and got its first round of funding from SBI under Standup India.

DIGITHON - It is to make people digitally literates by creating awareness on usage of modern technology. Through Digithon, 2,50,000 citizens were Digital literates and this program has received 3 awards from Government of Telangana and one SKOTCH Award.

ABOUT NASA SPACE APPS?

The NASA International Space Apps Challenge (or Space Apps) is an international hackathon that will take place over a 48-hour period in cities around the globe between October 19th and 21st, 2018.

The event embraces collaborative problem solving with a goal of producing open-source solutions to challenges we currently face on Earth and in space.

Details on this year's event can be found here:

http://2018.spaceappschallenge.org

Traditionally, hackathons are technology development marathons that draw on the talents and initiative of bright-minded volunteers –such as software developers, engineers, technologists, designers, scientists, and anyone with a passion and desire to have an immediate impact on the world. Hackathons are open to anyone, and are focused on developing real solutions to global challenges by the end of the event. For each year's International Space Apps Challenge, NASA designs challenges, and we (the Global Organizing Team) work with local hosts around the world to implement events where teams work intensively to design solutions over the course of a 48-hour period.

Participants may pre-register prior to the event, or they may register on-site at the event.

Registration will be available a few weeks prior to the event on your location page at http://spaceappschallenge.org. Participants may NOT register on any other website.

Due to NASA regulations, Space Apps events are not permitted to charge participants for attendance.

SMART CITY and CYBER SECURITY CHALLENGES?

To address the real local challenges, The team is even including few challenges regarding the smart cities and cyber security released by DIGITHON and Government of Telangana.

The registration will be common for Space Apps and above challenges, Its absolutely free of cost. **The solutions for this challenge are taken directly to the organising team and will be judged by mentors from Government of Telangana and DIGTHON.**

SOLUTIONS/PROJECTS:

During the event, participants will organize into project teams focused on solving one of the specific challenges issued by NASA, Smart city and Cyber Security teams. Any project team that includes at least one participant makes that project eligible for awards at that participant's location.

In order for a project to receive an award or be eligible for global judging, it must be submitted to the Space Apps Challenge website via a Project Page. The Project Page must include links to the original resources, such as a source code repository or hardware schematics. Solutions will only be

accepted for judging if they are licensed under an Open Source License as determined by the Open Source Initiative: http://opensource.org/licenses/alphabetical. It is important that you tell your participants about these requirements before the Challenge begins. The Projects received under Cyber Security and Smart city will pitch on the main hackathon and judged for local awards.

LOCAL AWARDS:

Local Leads will provide many awards for their local event. Leads may consider giving awards at their location for best solutions on a specific challenge, most creative solution, most social impact, etc. Local Leads select judges who will review the completed projects and determine local winners. Apart from it, there are few Appreciations from DIGITHON and GOVERNMENT OF TELANGANA like BEST COLLEGE AWARD, BEST SCHOOL AWARD, BEST DISRTICT AWARD etc. for rendering their services

THE LOCAL AWARDS WILL BE ANNOCUNCED FOR NASA SPACE APPS CHALLENGES, SMART CITY CHALLNGES AND ALSO CYBER SECURITY CHALLENGES.

GLOBAL AWARDS:

Local Leads nominate two teams/solutions from each Location or consideration in the global judging process. In order to be considered for global judging, every nominated team will be given the same amount of time (5-7 days) to create a 30-second video describing their project. The global judging process is managed by NASA. Finalists for global awards will be announced four to six weeks after the event, and NASA will announce the winners in January, 2019.

*THIS AWARDS ARE ONLY FOR NASA SPACE APPS CHALLENGES.

ENCOURAGING PROJECTS AFTER SPACE APPS?

Many Space Apps communities are interested in ways to grow, incubate, and accelerate high potential projects coming out of the International Space Apps Challenge.

In 2015, global developed a Post-Event Acceleration Space Apps Acceleration Toolkit for any Space Apps organizers or community members interested in taking projects built at Space Apps to the next level of development.

Hence all the projects selected for local and global awards will send their projects to the local leads for Space Apps Acceleration Program.

AGENDA FOR MAIN HACKATHON:

Day 19:00 a.m. Registration

10:00 a.m. Schedule and logistics announcements

10:30 a.m. Subject Matter Expert briefing

11:00 a.m. Begin developing

12:30 p.m. Lunch break

1:30 p.m. Developing continued

4:30 p.m. Optional progress briefing, more developing

6:30 p.m. Dinner break

8:00 p.m. More developing (coding continues all the night with lot of Jam sessions and Ice Breakers.

Day 2

10:00 a.m. Logistics briefing & updates

10:15 a.m. Begin developing

12:00 p.m. Submission Deadline

12:00 p.m. Lunch break

1:30 p.m. Presentations

5:00 p.m. Judging, voting

5:30 p.m. Awards

7:00 p.m. Post-event social

SUN	MON	TUE	WED	THU	FRI	SAT
24	25	26	27	28	29 Pre-Hackathon	30 Pre-Hackathon (300 Participants will be selected for main event)
1	2	3	4	5	6 Pre-Hackathon	7 Pre-Hackathon (300 Participants will be selected for main event)
8	9	10	11	12	13 Pre-Hackathon	14 Pre-Hackathon (300 Participants will be selected for main event)
15	16	17	18	19	20 Main HACKATHON	21 Main HACKATHON

SCHEDULE FOR UPCOMING MONTH

BLOCK YOUR DATE-ORGANISE A PRE-HACKATHON OR BOOTCAMP AND BECOME A PART OF MASSIVE BIGGEST HACKATHON

For College/University/School:

On behalf of Organising team, we request you to outreach about the India's Biggest Hackathon -NASA SPACE APPS CHALLENGES, SMART CITY HACKATHONS AND CYBER SECURITY to every student of your esteemed organisation. We welcome you to organise a bootcamp/Pre-Hackathon and be a part of our community as a Collaborator. The advantages of the collaborator by organising a bootcamp/Pre-Hackathon is very essential.

- Every participant who gets registered will receive a participant certificate from NASA.
- If the organisation is conducting a Pre-Hackathon will be awarded with STELLAR COLLABORATOR from NASA with maximum of social media outreach.
- All the projects from your organisation will be taken forward NASA Space Apps Acceleration Program.
- Special Credentials are also provided by DIGITHON.
- Participant will receive Appreciation certificate from Government of Telangana and DIGITHON.

THE RESOURCES REQUIRED IN ORGANISNG A BOOTCAMPS AND PRE-HACKATHON ARE GIVEN IN UPCOMING TIMELINES.

Steps taken to reach the Main Hackathon:

- Orientation for this program to the students and release of challenges in bootcamp.
- Students will register for a challenge starts documentation.
- All the Students registered will select a Pre-Hackathon venue according to their convenience and starts to Hack.

- If the project gets selected, they will be invited for the main hackathon happening on October 20-21.
  Notice: Every Student who get registered on www.spaceappschallenge.org in Hyderabad location receives a participant certificate.

ORGANISING A PRE-HACKATHON

We recommend you to host Pre-Hackathon (24 Hours) on any of the weekends before Main Hackathon or October 20-21. However, you are free to choose a date from timeline that you feel is most accommodating to Pre-Hacakthon. The choice of venue is critical to the success of your event. Consider the location, the atmosphere, and proximity to public transportation and local restaurants. Some good venue options include community centers, conference centers/rooms, and university campuses.

VENUE:
• Should be available all day on Saturday and Sunday (Or Friday/Saturday, if that is your weekend)
• Have the appropriate capacity to hold all attendees in one large room for briefings, presentations and awards ceremonies.
• Have 24 hour access for participants to work overnight (if they prefer)
• Are easily accessible via public transportation (if available in your location)
• Have easy access into buildings (no high security buildings)

• Have (or will allow you to provide) IT/WIFI support to ensure connectivity for the entire weekend

• Allow food and beverages.

• Have tables and chairs for small group gathering and brainstorming according to the participation number.

• Have easily accessible bathrooms

• Have an outside dumpster to discard trash

VENUE: CONNECTIVITY GUIDELINES

Internet connectivity is a basic requirement for hackathons. The better the connectivity, the more successful your event will be. Improve the experience for your participants by ensuring:

• Access to electricity/plugs for all the attendees

• Sufficient bandwidth for all attendees to actively use the Internet simultaneously

• Plenty of IP addresses available for your attendees (e.g., many attendees may bring 2-3 devices which will require multiple IP addresses)

• Available Wi-Fi (and passwords if needed)

• Capacity for video/web streaming

• Capacity for live online connections with international Space Apps events

• Sufficient A/V capacity for presentations and the award ceremony

VENUE: RECOMMENDED SUPPILES

Let the attendees know to bring their own laptops if they have one. We recommend that you also consider having spare supplies available. This is a suggested list of supplies to
include:
• Power strips
• Extension cords
• Projection screen (can be a blank wall)
• Microphone/podium
• USB drives
• Tables/chairs (if not provided by the venue)
• Name tag stickers
• Laptop/printer (for registration table and other event management purposes)
• Office supplies (pens, pencils, highlighters, sticky notes, stapler, paper)
• Whiteboard/Blackboard/Large paper
• Dry erase pens/chalk/markers.

A Proper Checklist from your side to organise a Pre-Hackathon:

- ✓ **Venue as per parameters.**
- ✓ **Transportation facilities for Mentors/Guests.**
- ✓ **Printing of T-shirts for the event (College Name will be branded).**
- ✓ **Printing of required banners.**
- ✓ **Food might be provided(optional)/Allowance or arrangement of food stall.**
- ✓ **A Doctors team should be on toes with First Aid kit.**
- ✓ **Proper Sanitizers / Refreshments must be provided.**
- ✓ **A well-trained volunteer's team with two faculty mentors should be provided.**
- ✓ **Resource persons will be announced few days before the event. (they are from government officials, mentors from different tech communities.)**

AGENDA FOR PRE-HACKATHON:

Day 1
9:00 a.m. Registration
10:00 a.m. Schedule and logistics announcements
10:30 a.m. Subject Matter Expert briefing
11:00 a.m. Begin developing
12:30 p.m. Lunch break
1:30 p.m. Developing continued
4:30 p.m. Optional progress briefing, more developing
6:30 p.m. Dinner break
8:00 p.m. More developing(coding continues whole night
with jam sessions and Ice breakers).

Day 2
10:00 a.m. Logistics briefing & updates
10:15 a.m. Begin developing
12:00 p.m. Submission Deadline
12:00 p.m. Lunch break
1:30 p.m. Presentations
5:00 p.m. Judging, voting
5:30 p.m. Awards
7:00 p.m. Post-event social

ORGANISE A BOOT CAMP

We recommend you to host BOOTCAMP (2 Hours) on any of the weekdays before Main Hackathon or October 20-21. However, you are free to choose a date from timeline that you feel is most accommodating to Bootcamp. The choice of venue is critical to the success of your event. Consider the location, the atmosphere, and proximity to public transportation and local restaurants. Some good venue options include community centres, conference centres/rooms, and university campuses.

VENUE:

• Should be available on weekday before Main Event.

• Have the appropriate capacity to hold all attendees in one large room for briefings and presentations.

Example of a Boot Camp Agenda (TIMINGS CAN ALTER)

• 6:00-6:30pm: Socializing

• 6:30-7:00pm: Introduction and Q&A

• 7:00-7:15pm: Inspirational speaker

• 7:15-8:00pm: Challenges activity

• 8:00-8:15pm: Closing remarks

• 8:15-9:00pm: Socializing.

For organising a boot camp or Pre – Hackathon, we request you to connect us with

the volunteers from your colleges in sufficient number.

THANK YOU!

The success of the International Space Apps Challenge is completely dependent on the passion and involvement of local leads like yourself. Thank you so much in advance for your commitment and participation!

CONTACT INFORMATION

Reach us at

Hackathonindia7@gmail.com

Important Links for Registration:

https://goo.gl/oJi2hZ

http://2018.spaceappschallenge.org