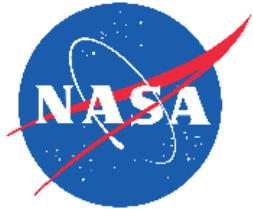




## NASA International Space Apps

### 2020 Nepal.

Space Apps is led by



Organized by



## Introduction

- A global hackathon composed of more than 200 in-person events around the world. Space Apps also includes virtual opportunities to participate, and some locations hold “data bootcamps” before the event to prepare those who are less familiar with the hackathon format. Each year the number of events has increased. In 2015, there were 133; in 2016 there were 161; in 2017, there were 187; in 2018, there were more than 200. in 2019, there were more than 225, and what about in 2020?
- A technology development event that draws on the talents and initiative of bright-minded volunteers – developers, engineers, technologists, designers, and anyone with a passion and desire to make an immediate impact on the world, or with an interest in Earth, space and/or data.
- An event that embraces engagement and collaborations across borders, sectors and populations to bring about paradigm-shifting innovation.
- An opportunity to showcase innovation, build awareness and encourage participants to use NASA data to solve complex problems related to both Earth and space.
- An unprecedented international collaboration among government agencies, organizations, and academic institutions from around the world.

## Space Apps Kathmandu

- Organized by Madhav Space Agency (MSA) .
- Venue for the event is online just click the link <https://2020.spaceappschallenge.org/locations/kathmandu>.
- Events date 2<sup>nd</sup> Oct.- 4<sup>th</sup> Oct 2020 (Ashoj 16<sup>th</sup> - 18<sup>th</sup> 2077)
- The total number of expected participants for this event is up-to 150+.
- There are 294 participants were participated last year 2018 on our last location from different colleges and schools and companies as well at Chandigarh Location and 38 participants were participated last year 2019 for Kathmandu location.
- From our location a team Blue Owls became a Global finalist the only team from whole India.
- From our location a team code corn became a people choice winner from our location.
- This year our aim is to be a global winner from Nepal.
- As our nation is growing towards rocket and space technology the main focus of this challenge is to make more participation for school level student (from class 9-10) as well as college student and organizations for best solution.
- We have planned pre-meetup on 29<sup>th</sup> Oct 2020.

## Challenges Categories for Space Apps Challenge 2019

**Observe**, Observation is critical to gathering the scientific and technical knowledge needed to take action.

1. A One Health Approach
2. Scanning for Lifeforms
3. Hey! What Are You Looking At?
4. Home Planet at Your Fingertips.

**Inform**, To make good decisions, we all must be well informed. NASA, CSA, CNES, JAXA, and ESA not only gather space-based data, but they also compile archival data and share analysis and results with policy makers, scientists, and/or the broader community.

5. What Is Our Carbon Footprint?
6. Automated Detection of Hazards
7. Mission to Planet Earth: A Digital History

**Sustain** Advances in space exploration and Earth science have revealed the importance of building a sustainable future

8. Planet, With People
9. Sleep Shift Scheduling Tool
10. Sustaining Our Planet for Future Generations

**Create**, Creation lies at the heart of change. Whether it's artwork, hardware, or a new technology, challenges in this category will ask you to imagine, build, and create awareness.

11. Virtual Planetary Exploration
12. Putting the 'Art' in Artemis
13. Let's Connect
14. Breakthrough
15. Create a Mascot

**Confront**, From natural disasters to social and economic inequality, there comes a time when we must confront the problems we detect.

16. Better Together
17. Spot That Fire V3.0
18. A Flood of Ideas

**Connect**, Connection empowers us to take action together. Challenges in this category will ask you to examine methods for communicating with one another, and to analyze the complex networks of people and ideas that contribute to space agency missions on Earth and in space.

19. Can You Hear Me Now?
20. Orbital Sky
21. Space Exploration in Your Backyard
22. Data Discovery for Earth Science

### Invent Your Own Challenge

Pose your own challenge, and create a solution of your own choosing! Reminder: Solutions in this category are wonderful, but they are not eligible for global judging or awards from NASA.

## Registration

- One can register for this event on [2020.spaceappschallenge.org](https://2020.spaceappschallenge.org).
- Steps: -
- Visit the above-mentioned link and 'Click on' the icon on top left corner there you can see Login and Signup option, go to signup fill the required data and remember your username and password.
- After Signup and verification of your email id, just login and find your location where you want to attend this event.
- Visit the location page i.e. Kathmandu, Nepal, and on right side click 'Register' Button, then you will be asked for confirmation 'Register Me' or 'Never Mind', you need to click on 'Register Me'.
- After completing registration process on location page, you need to Fill This Form separately for final registration confirmation directly to the location leads.

Visit: -

- <https://2020.spaceappschallenge.org/locations/kathmandu/>
- <http://msa.com.np/>