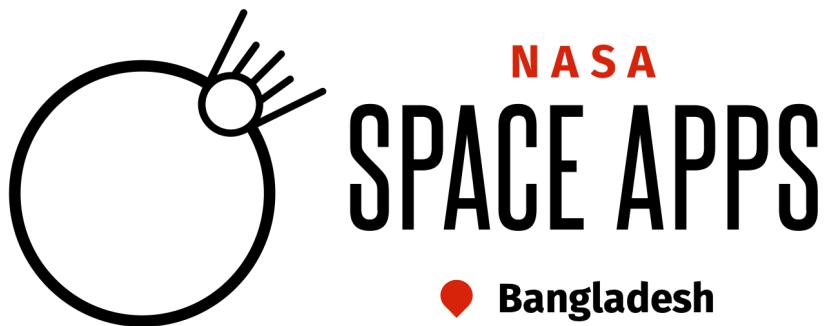


Important Guideline for NASA Space Apps Challenge 2024 in Bangladesh

READ CAREFULLY: FOLLOW EVERY DETAIL



(This will be updated until the hack-a-thon)

NASA INTERNATIONAL SPACE APPS CHALLENGE 2024 BANGLADESH

GLOBAL WINNERS FROM NASA Space Apps Challenge 2023



LOCAL WINNERS FROM NASA Space Apps Challenge Bangladesh 2023



BASIS, along with BASIS Student's Forum and Cloud Camp Bangladesh, is organising the 12th NASA International Space Apps Challenge 2024 on October 4-5. This global

hackathon will take place in over 350 cities, including 9 in Bangladesh. Open to university students, the event will focus on the theme "The Sun Touches Everything!!" and encourages participation regardless of background. Bangladesh has a strong track record, with multiple global awards in previous years. Join virtually or in person to collaborate and innovate in space science and exploration!

Specific milestones and target Dates for Bangladesh Space Apps Challenge for 2024:

Create an Account: July 15, 2024

Choose Your Local Event: July 15, 2024

Recruit Your Team Members: July 15, 2024

Submit the preliminary application with BASIS: 1st August, 2024

Check out the Challenges: 24 August 2024

Submit your final application with BASIS: September 1, 2024

Announcement of final 50 physical participating team at BASIS September 20, 2024

(If you have missed the physical participation, you can always participate virtually)

Finalize (Join or Create) a Team 1st September 2024

The Hackathon Begins! 4th October 2024

Reference Links

Space Apps Bangladesh Website: <https://nsac.basis.org.bd/>

Space Apps Bangladesh Twitter Page: <https://twitter.com/spaceappsbd>

Space Apps Bangladesh Facebook Page:

<https://www.facebook.com/SpaceAppsChallengeBD>

Slack Channel:

https://join.slack.com/t/spaceappsbd/shared_invite/zt-a9litut0-ls90oC2Xyy86SfEcwG9qtg

WhatsApp channel: <https://chat.whatsapp.com/DnnxLS8wQYq5xWuAOD4o4v>

Location Links

<https://www.spaceappschallenge.org/2024/locations/barisal/>

<https://www.spaceappschallenge.org/2024/locations/chattogram/>

<https://www.spaceappschallenge.org/2024/locations/cumilla/>

<https://www.spaceappschallenge.org/2024/locations/dhaka>

<https://www.spaceappschallenge.org/2024/locations/khulna/>

<https://www.spaceappschallenge.org/2024/locations/mymensingh/>

<https://www.spaceappschallenge.org/2024/locations/rajshahi/>

<https://www.spaceappschallenge.org/2024/locations/rangpur/>

<https://www.spaceappschallenge.org/2024/locations/sylhet/>

The final day for your registration at BASIS site (<https://nsac.basis.org.bd/>) is **August 25th, 2024, 11:59 PM**, Bangladesh Standard Time.

Each Team **MUST REGISTER** at NASA International Space Apps Challenge Site (<https://www.spaceappschallenge.org/2024/locations/>). For updates, please visit BASIS, BASIS Students Forum or Space Apps Challenge <https://nsac.basis.org.bd/>.

You must register for one of the locations from here: Dhaka, Sylhet, Chattogram, Barisal, Rangpur, Mymensingh, Khulna, Rajshahi, and Cumilla.

For all event-related questions, make sure to join the **Bangladesh Space Apps Challenge** - Slack Channel:

https://join.slack.com/t/spaceappsbd/shared_invite/zt-a9litut0-IS90oC2Xyy86SfEcwG9qtg and/or WhatsApp channel:

<https://chat.whatsapp.com/DnnxLS8wQYq5xWuAOD4o4v>

THE PROCESS FOR THE NASA SPACE APPS CHALLENGE IN BANGLADESH

NASA Space Apps Challenge 2024

Event Dates: October 4-5, 2024

Location: 350+ cities globally, including 9 in Bangladesh (Dhaka, Sylhet, Chattogram, Barisal, Rangpur, Mymensingh, Khulna, Rajshahi, Cumilla).

Theme: "The Sun Touches Everything!!"

Steps to Participate:

1. Register with BASIS Students' Forum:

- Deadline: August 25
- Team-based registration (preferable 5 members)
- Choose a location (e.g., Dhaka)
- Provide a short problem description and create a YouTube video.
- Register at [BASIS Forum](#).

2. Register with NASA Space Apps Challenge:

- **Step 1:** Create an account at [Space Apps](#).
- **Step 2:** Register for a Local Event or Universal Event.
- **Step 3:** Connect with your Local Lead (BASIS for Bangladesh).

Resources:

- **NASA Open Data:** [NASA Open Data](#).
- **NASA Open API:** [NASA API](#)
- **Python Library:** [pyNASA](#)
- **API Learning Videos:**

- [How to Use API](#)
- [How to Use NASA API](#)

Communication Channels:

- **Slack:** [Join Slack](#)
- **WhatsApp:** [Join WhatsApp](#)

Social Media:

- **Facebook:** Follow [BASIS Students Forum](#)
- **Twitter:** Follow @NASASpaceappsBD, @SpaceApps

Video Submission:

- Create a "240 Seconds of Glory" video for qualification by September 1, 11:59 PM Dhaka Time.
- Modify the video for local judging, to be submitted by 6:00 PM on Day 1 of the hackathon.

Important Tips:

- **Use NASA Data & API** for your solution.
- **Connect with potential teammates** and **participate actively** in the challenge.
- **Be social:** Tweet and post updates regularly to promote your activities.

IMPORTANT SITES AND LINKS FOR NASA SPACE APPS CHALLENGE

- BASIS Site for Registration: <https://nsac.basis.org.bd/>
- NASA Challenges: <https://www.spaceappschallenge.org/2024/challenges/>
- Earth Data: <https://earthdata.nasa.gov/user-resources/remote-sensors>
- NASA Data Site: <https://data.nasa.gov/>
- NASA API Site: <https://api.nasa.gov/>
- YouTube: <https://www.youtube.com>
- GitHub : <https://www.github.com>
- Space Apps Challenge Facebook page:
<https://www.facebook.com/BASISStudentsForum/>.
- Twitter Page: <https://twitter.com/spaceappsb>
- Facebook Page: <https://www.facebook.com/SpaceAppsChallengeBD>
- BASIS Registration Site: <https://nsac.basis.org.bd/applicant-registration>
- Participants Guide:
<https://docs.google.com/document/d/1MgHWEQzDx5MU5rVS37-sWzjKfRLtQ5jt/edit>
- Slack Link: <https://spaceappsb.d slack.com/archives/CNJERFETY>

- How to use NASA Data and API videos in YouTube:
 - You can learn how to use API using this YouTube video: <https://www.youtube.com/watch?v=WXsD0ZgxjRw>
 - How to use NASA API: https://www.youtube.com/watch?v=JfXp_YEQRRI
 - NASA API solution: https://www.youtube.com/watch?v=JfXp_YEQRRI&pp=ygUgaG93IHRvI HVzZSBuYXNhIGRhGEgdGhyb3VnaCBhcGk%3D

240 SECONDS OF GLORY FOR LOCAL JUDGING

For **participants** at Space Apps local events, your final project presentations on the last day of Space Apps will usually be limited to a four minutes each, using the 240 seconds of Glory.

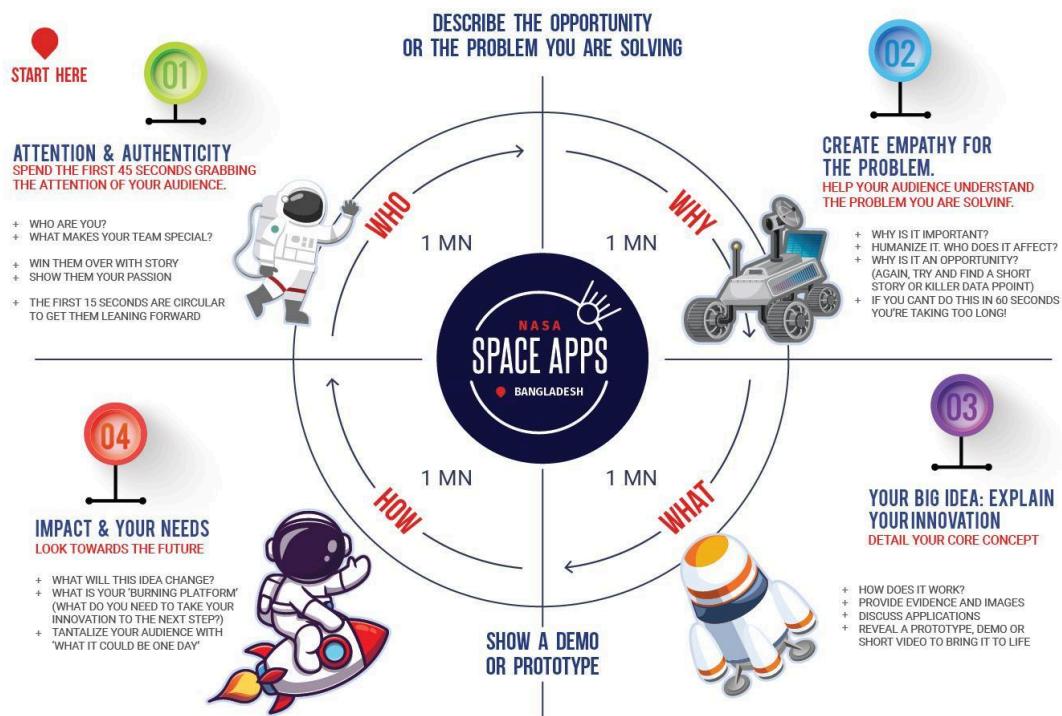
240 SECONDS OF GLORY FOR LOCAL JUDGING

For **participants** at Space Apps local events, your final project presentations on the last day of Space Apps will usually be limited to a four minutes each, using the 240 seconds of Glory. The two **global nominees** from each Space Apps location will also be making a 30-second video.

240 Seconds of Glory

A MODEL FOR THE PERFECT PITCH AT SPACE APPS

A GREAT PITCH CAN BE THE DIFFERENCE BETWEEN GREATNESS AND OBSCURITY. THIS ROUGH GUIDE IS DESIGNED TO ENSURE YOUR GOOD WORK GETS THE ATTENTION IT DESERVES.



JUDGING GUIDELINE - THE SCORING MECHANISM

Local Scoring Mechanism:

1-5 Questions (20 points max per question):

- **Absolutely WoW (20 points):** Unique concept, unimaginable by anyone.
- **Unique Idea (10 points):** Unique idea and implementation, but similar concepts exist.
- **Unique Implementation (5 points):** Public idea, but uniquely implemented.
- **Public Domain (1 point):** Idea, concept, and implementation already public.

Scored Questions:

1. **Impact:** How significant is the project's impact?
2. **Creativity:** How innovative is the approach?
3. **Validity:** Is the solution scientifically valid and practical?
4. **Relevance:** Is the project relevant and feasible?
5. **Presentation:** How well did the team present their project?

6-10 Questions (5 points max per question, except #10):

- **Teamwork, User Experience, YouTube Quality, Demonstration:** Rate 1-5.
- **Environmental Conservation:** 5 points for Yes, 0 for No.

11-16 Questions (1 point each):

- Space Apps Challenge Category identified, GitHub link provided, YouTube video link provided, etc.

17th Question:

- **Women Participation Bonus:** 5% bonus to aggregate score if there are women on the team.

Nomination Categories:

- Best Use of Science, Best Use of Data, Best Use of Technology, Galactic Impact, Best Mission Concept, Most Inspirational, Best Storytelling, Global Connection, Art & Technology, Local Impact.

INSTRUCTION FOR VIDEO UPLOAD

There are two videos you would have to upload. Any video uploaded after that time will not be considered for judging. The videos are:

- 1) **240 Seconds of Glory Video** (4 minutes video for local judging): This video will be used for local judging. You will be competing with the other teams from your local region. Maximum of two of the teams will be nominated and move to the global level. Email your 4 minutes video Link here: (Web@basis.org.bd).

YOU MUST FOLLOW THE VIDEO NAMING CONVENTION IN THIS FORMAT:

Zone-Team Name-Challenge Category (Dhaka-Bluesky-Create)

Last time for your complete video upload is Friday, October 6th , 2024 at 7:30 PM Bangladesh Time. Make sure that you start earlier, say around 5:30 PM so, you can finish and check you have uploaded the right video to the right location.

- 2) **30 Seconds of Glory** (30 seconds video for global judging): You must upload your 30 seconds of glory video in YouTube and provide that link within your project in [NASA website](#). This will be judged as part of the global judging, and once you move forward to the global level.

Last time for your complete video upload is, October 6, 2024 at 2:00 PM Bangladesh Time. Make sure that you start earlier, say around 12:30 PM so, you can finish and check you have uploaded the right video to the right location. Once you upload your video to the YouTube Channel, make sure that the right link is in your project at [NASA website](#).

Key Skills for Success

1. Project Management: Organize, plan, and coordinate your project.
2. Software Development: Build and code your solution.
3. Data Science: Analyze and visualize your data.
4. Design and UX: Create a user-friendly interface.
5. Science and Research: Provide the scientific context and insights.