



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



SMART INDIA  
HACKATHON  
2023



75  
आज़ादी का  
अमृत महोत्सव

# Smart India Hackathon 2023



SMART INDIA  
HACKATHON  
2023

*Junior Edition  
Guidelines*

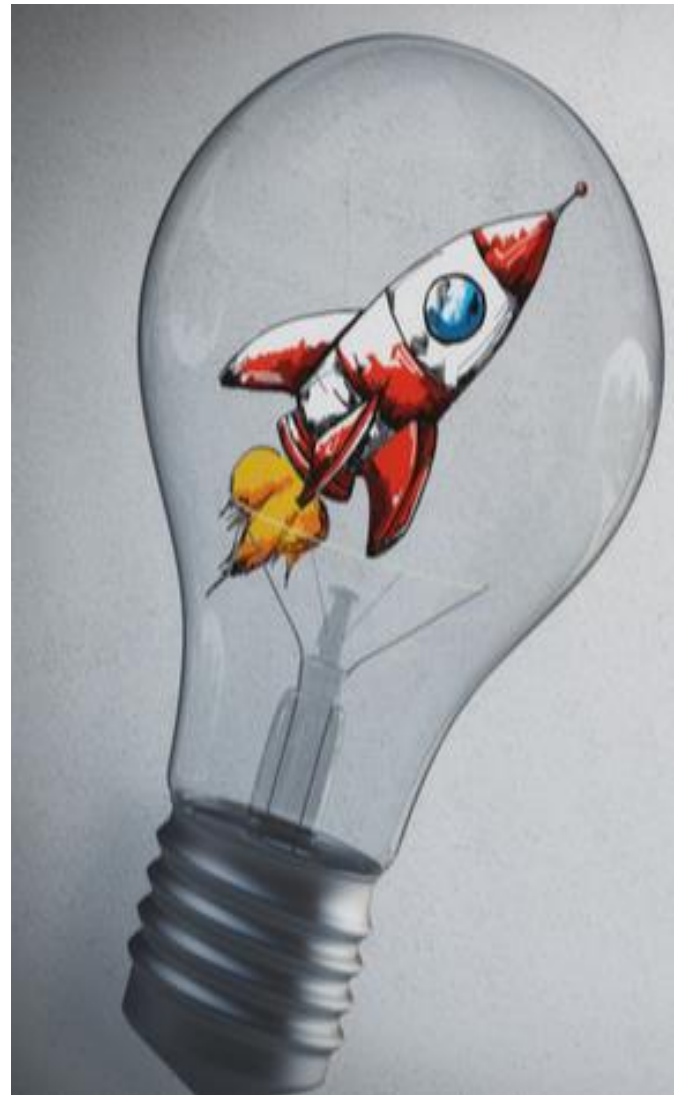
# About SIH 2023 Jr.

*In an era driven by innovation, fostering creative thinking and problem-solving skills among the youth is paramount. SIH-2023 takes a remarkable stride forward by inviting school students to join its ranks and contribute their ingenious ideas to the national growth trajectory. The Smart India Hackathon is a prestigious event that unites bright minds from various educational institutions to brainstorm solutions for real-world challenges posed by different industries. It provides a platform for students to collaborate, innovate, and showcase their technical prowess.*

*SIH-2023 stands out by broadening its scope to include school students, recognizing that innovation knows no age limits. This decision opens doors to young minds, allowing them to engage with complex problems and envision groundbreaking solutions.*

*The introduction of the Open Innovation Student category is a significant leap. It enables school students to contribute their ideas against 16 pre-defined themes, ranging from technology and sustainability to healthcare and agriculture. This inclusion nurtures a culture of innovation from a tender age.*

*Participants can immerse themselves in themes that align with their interests and aspirations. From envisioning futuristic smart cities to devising eco-friendly solutions, these themes encompass a wide spectrum of challenges, inviting diverse perspectives.*



# Themes

1 *Agriculture, food tech and rural development*



2 *Block chain and Cyber Security*



3 *Clean and green energy*



4 *Disaster Management*



5 *Fitness & Sports*



6 *Heritage and Culture*



7 *Med tech/biotech/health tech*



8 *Miscellaneous*



9 *Renewable/sustainable energy*



10 *Robotics and drones*



11 *Smart Automation*



12 *Smart Education*



13 *Smart Vehicle*



14 *Tourism*



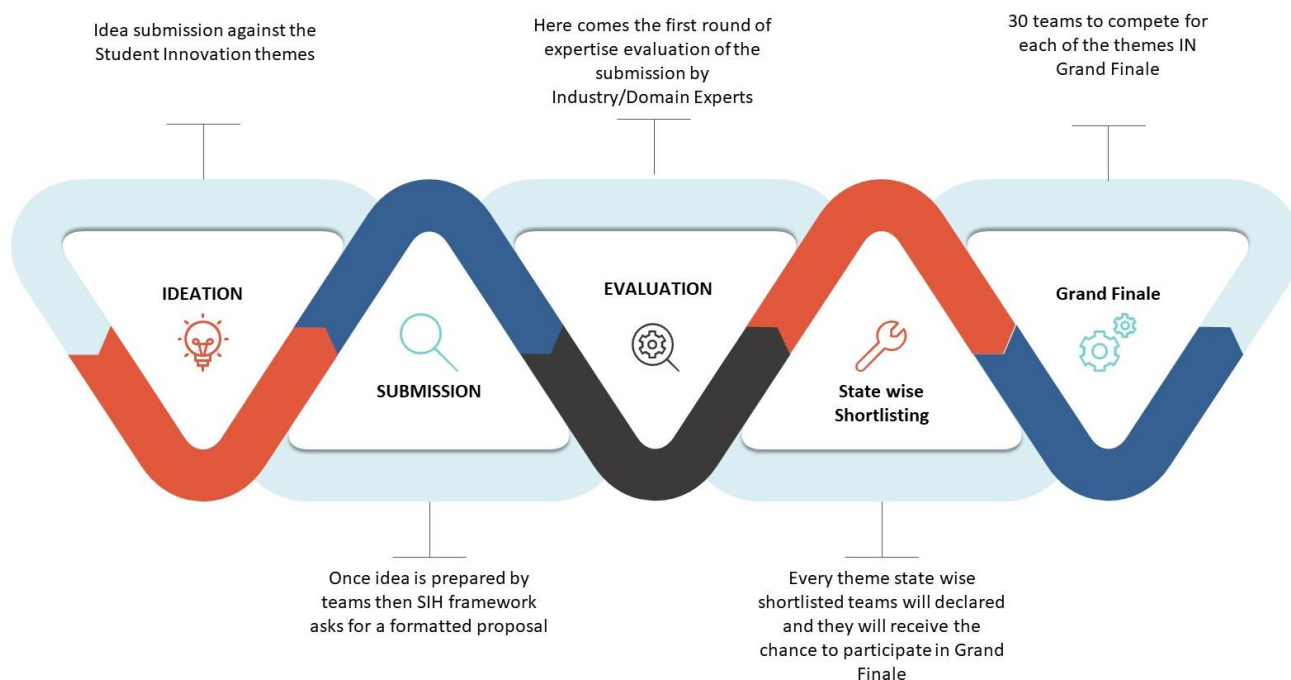
15 *Toys*



16 *Transportation and logistics*



## Process Flow



1. Every successful team requires a guiding force. Here, the SPOCs (Single Point of Contact) within school's step in. They play a crucial role in identifying and nominating student teams for specific themes, ensuring a smooth and efficient participation process.
2. The School SPOCs (Single Point of Contact) will register them self on the Smart India Hackathon portal. ([sih.gov.in](http://sih.gov.in))
3. The nomination process is designed to be straightforward. SPOCs can explore the themes on SIH-2023's official website and nominate teams that submit their ideas in chosen domains / Themes.
4. All the submitted ideas will be evaluated by the domain/Theme experts from Industry.
5. For every theme from each state and UT the top performing ideas will be shortlisted to the Grand Finale of the Smart India hackathon.
6. The Grand Finale for the SIH 2023 Junior Edition will be Physically conducted at different locations in pan India.
7. In the Grand Finale the shortlisted teams from state and UT have to compete with each other in same theme.
8. The Grand Finale tentatively conducted in the month of December 2023

## School Registration

1. You can register your school's teams on the website until October 31, 2023. Any school can enter their teams using the online portal. This special event, called the SIH Junior hackathon, is for students in 6th to 12th grade.
2. The main person from the school, like the Principal, Vice Principal, Registrar, or a senior teacher chosen by the Principal, is the Single Point of Contact (SPOC). This person will handle the registration. Each school's SPOC can sign up a maximum of 10 teams. These teams can choose from 16 different themes listed on the website
3. Each team that the SPOC registers should have at least 1 member but no more than 3, including the team leader. The team can also have 2 mentors if they want, like teachers, parents, or experts from different fields. Mentors help and guide the team, but having them is optional

## Team Formation

1. A team can be formed of 3 students to 6 students (at max); 2 Mentors (One Mentor Mandatory and One Mentor is optional) (can be teachers/parents/industry experts)
2. It is recommended to have at least one female member to be the part of the team.
3. All students should be from the same school. Inter-school teams are not allowed.
4. Team Name should be unique and not contain the name of their institute in any form.
5. In Track 1, students who are in 6th to 9th standard should form a team together.
6. As for Track 2, students who are in 10th to 12th standard should create a team together.

## Working On Problem Statement

1. **Open innovation:** Teams can work on any Problem Statements of their own & lie in any of the 16 themes available on the website. Students can come up with their own model based on these themes.
2. **Submission of Ideas:** The SPOC have to register the selected teams on the SIH portal along with the following details:
  - a. Team Name
  - b. Name, gender, Email id, Mobile No. of team leader and all other Members
  - c. Chosen Problem Statement and its proposed solution with a title, description & presentation PDF/PPT.
  - d. School authorization letter
3. This registration process is open till 31st October 2023.

## Timelines Selection Criteria & Evaluation

Sr. No.	Activity	Timeline
1	Launch of Smart India Hackathon	23rd August 2023
2	Registration & Idea Submission	23rd August 2023 - 31th October 2023
3	Idea Evaluation	16st October 2023 – 15th November 2023
4	Announcement of Finalist (in Batches)	15th November 2023 – 25th November 2023
5	Announcement of the Nodal Center	25th November 2023
6	Grand Finale of the Hackathon	19th December 2023 – 22th December 2023 (Tentative)

The proposed solutions are evaluated by experts on points like the novelty of the idea, complexity, clarity, detailed document, feasibility, practicability, and sustainability, the scale of impact, user experience, and potential for future work progression.



## Announcement of Shortlisted Ideas

1. For every theme from each state and UT the top performing ideas will be shortlisted to the Grand Finale of the Smart India hackathon.
2. Notification about shortlisted teams will be put up on our portal and will also be sent to their respective email IDs.
3. Be available for meetings, sessions and trainings during the preparation phase; you will be notified about them in advance.

## Responsibilities of Mentor

1. To mentor and guide teams via phone/video-chat or in person before the grand finale to help convert students' ideas into a working prototype.
2. To provide guidance and support to their allocated teams. Mentors along with participating Guidelines and Process flow for SIH Jr. students work together as a team during the grand finale
3. To work collaboratively with the allotted student team during the SIH Grand Finale to build a working prototype.
4. Out-station travel to the hackathon venue may be necessary to participate in the Grand Finale.
5. The travel and accommodation of students and their mentors will be taken care by SIH2023 organizers. However, both mentor and students are eligible for same class of stay and travel.

## General Information Regarding the Grand Finale

1. If a team is selected for the final Hackathon, members will need to travel to the assigned nodal center which can be anywhere in India.
2. Shortlisted teams (6 students including team leader & 2 mentors) traveling for the grand finale will be eligible to receive reimbursement for to & from journey via 2nd Class sleeper railway fare. The reimbursement amount will be paid at the grand finale nodal centers upon producing copies of train tickets and completing relevant forms. The arrangement



*for booking of train tickets is responsibility of teams themselves or their institutes.*

- 3. School faculty members (Other than mentors) traveling with teams for the grand finale are not eligible for any reimbursement of travel expenses.*
- 4. The nodal centers will be arranging for accommodation of teams during the grand finale.*
- 5. Each school will issue a stamped photo ID to each member of the teams selected for the finale*
- 6. School photo ID is mandatory for participating in the Grand finale.*

# PRIZE MONEY

*Each Theme 3 winners will be declared*

Sr. No.	Prize	Prize Money
1	First Prize	Rs. 50,000/-
2	Second Prize	Rs. 30,000/-
3	Third Prize	Rs. 20,000/-

# Contact Us



Website: [sih.gov.in](http://sih.gov.in)

Email: [sih@aicte-india.org](mailto:sih@aicte-india.org),  
[hackathon@aicte-india.org](mailto:hackathon@aicte-india.org)

Mr. Sarim Moin

Innovation Officer  
MoE's Innovation Cell  
[innovationofficer2@aicte-india.org](mailto:innovationofficer2@aicte-india.org)  
[011 2958 1241](tel:01129581241)

Mr. Ankush Sharma

Innovation Officer  
MoE's Innovation Cell  
[ankush.sharma@aicte-india.org](mailto:ankush.sharma@aicte-india.org)  
[011 2958 1223](tel:01129581223)

Mr. Sourabh Nirmale

Regional Consultant  
MoE's Innovation Cell  
[rc3.mic@aicte-india.org](mailto:rc3.mic@aicte-india.org)  
[011 2958 1239](tel:01129581239)

Mr. Arindam Mandal

Regional Consultant  
MoE's Innovation Cell  
[rc2.mic@aicte-india.org](mailto:rc2.mic@aicte-india.org)  
[011 2958 1240](tel:01129581240)

Mr. Nitin Kumar

Startup Fellow  
MoE's Innovation Cell  
[startupfellow2@aicte-india.org](mailto:startupfellow2@aicte-india.org)  
[011 2958 1240](tel:01129581240)

Mr. Awnish

Data Entry Operator (DEO)  
MoE's Innovation Cell  
[deo3.innovationcell@aicte-india.org](mailto:deo3.innovationcell@aicte-india.org)  
[011 2958 1235](tel:01129581235)