



# केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

**CENTRAL BOARD OF SECONDARY EDUCATION**

(An autonomous organisation under the Ministry of Education, Govt. of India)



**CBSE/DIR.(SE&T)/SIH-Jr./2022**

**09.03.2022**

**Circular No. Acad-36/2022**

**All Heads of institutions affiliated to CBSE**

**Subject: Smart India Hackathon (SIH) Junior 2022 – reg.**

Ministry of Education's Innovation Cell (MIC), in coordination with All India Council for Technical Education (AICTE), has launched Smart India Hackathon (SIH) 2022 and this year they also want school students to participate by submitting innovative ideas and concepts.

In the last 5 years, SIH has evolved into the world's largest Open Innovation Model to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and problem-solving mind-set. Moreover, the Hon'ble Prime Minister of India has applauded the SIH initiative on multiple occasions which has helped to kick-start the hackathon culture in India. The previous editions of SIH have proven to be extremely beneficial for the students of higher education institutes in establishing start-ups and employment opportunities in various organisations.

Keeping the spirit of doing better year on year, this year SIH-2022 welcomes the participation from school students (6 to 12 Class) under SIH Junior track.

Single Point of Contact (SPOC) registration for the school faculty is now open on the SIH Portal ([www.sih.gov.in](http://www.sih.gov.in)). The SPOC can nominate school student teams against various themes including Toys, Healthcare, Smart Education etc. available on the official website of SIH-2022.

SIH-2022 will enable students to get hands-on experience and will motivate them to emerge as problem solvers and innovators.

The Principals of all affiliated schools are requested to ensure sincere and whole hearted participation of their students in SIH-2022.

The guidelines and process flow for SIH Junior are available in the attached **Annexure A**.

*Biswajit Saha*

**(Dr. Biswajit Saha)**

**Director (Skill Education and Training)**

Encl: Annexure A – Guidelines and process flow for SIH Junior

‘शिक्षा सदन’, 17, रऊज़ एवेन्यू, इंस्टीटूशनल एरिया, नई दिल्ली –110002

‘Shiksha Sadan’, 17, Rouse Avenue, Institutional Area, New Delhi – 110002





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**Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:**

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, Delhi - 110016
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida - 201309
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi - 110054
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh - 160017
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim - 737101
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar - 791111
7. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair - 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini.
9. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi-110001
10. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi – 110001
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRS Building No. 202, Shankar Vihar (Near APS), Delhi Cantt – 110010
12. The Secretary, Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India
13. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005
14. The Deputy Secretary to Chairman, CBSE - for kind information of the Chairman, CBSE
15. All the Heads of Department of the Board
16. All the Regional Directors/Regional Officers/Head-COEs, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance
17. Head (Media & Public Relations), CBSE
18. Assistant Secretary (IT), CBSE, Rouse Avenue with the request to upload this notification on the CBSE Academic website
19. Incharge, Hindi Cell, CBSE HQ – for Hindi Translation of this notification

**Director (Skill Education and Training)**

‘शिक्षा सदन’, 17, रऊज़ एवेन्यू, इंस्टीटूशनल एरिया, नई दिल्ली –110002

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**Annexure - A**  
**SMART INDIA HACKATHON 2022**  
**Guidelines and Process flow for SIH Jr.**

**ABOUT SIH JUNIOR 2022:**

This year SIH-2022 moves to its next level and welcomes the participation from schools (6<sup>th</sup> to 12<sup>th</sup> Class) to contribute in the nation building initiative. This is an Open Innovation Student category in which students can give ideas against the pre-defined 16 Themes. The SPOC can nominate school student teams against various themes available on the official website of SIH-2022.

**THEMES FOR SIH 2022 Jr.:**

1. Renewable/sustainable energy
2. Block chain and Cyber Security
3. Smart education
4. Disaster Management
5. Smart Automation
6. Heritage and Culture
7. Med tech/biotech/health tech
8. Agriculture, food tech and rural development
9. Smart vehicle
10. Transportation and logistics
11. Robotics and drones
12. Clean and green energy
13. Tourism
14. Smart Vehicle
15. Toys
16. Miscellaneous

**MODE OF HACKATHON:**

1. Pre-screening and Finale Evaluation will be organized through Online Mode.
2. **Winning Teams will be felicitated at the physical Nodal Centers across India**

**LINK:**

**[www.sih.gov.in](http://www.sih.gov.in)**

**SCHOOL REGISTRATION:**

1. **School REGISTRATION is open on the website till 31<sup>st</sup> March 2022**, Any school can nominate their teams through the portal. **This SIH Junior hackathon is for Class 6<sup>th</sup> to Class 12<sup>th</sup> students**
2. **SPOC (Single point of contact)** is the person (Principal/Vice Principal/Registrar/Any senior faculty nominated by principal) who will represent the school and carry out the

registration process. They can nominate a maximum of **10 teams per school under 16 Themes (displayed on the website)**.

- 3. Each team nominated by the SPOC can have a minimum of at max 3 members (including the team leader).** Each team can have their max 2 team mentors (optional) (These could be teachers/parents/industry expert)

#### **TEAM FORMATION:**

- A team can be formed of **1 student to 3 student (at max); 2 Mentors (optional) (can be teachers/parents/industry experts)**
- It is recommended to have at least one female member to be the part of the team.
- All students should be from the **same school**. Intra-school teams are not allowed.
- **Team Name** should be unique and not contain the name of their institute in any form.

#### **WORKING ON PROBLEM STATEMENT:**

**Open innovation:** Teams can work on any Problem Statements of the 16 themes available on the websites. Students can come up with their own model based on these themes.

**Submission of Ideas:** The SPOC then register the teams selected, on the SIH portal along with the following details:

- Team Name
- Name, gender, Email id, Mobile No. of team leader and all other Members
- Chosen Problem Statement and its proposed solution with a title, description & presentation PDF.
- School authorization letter

This registration process is open till 31 March 2022.

#### **PROCESS AND TIMELINES SELECTION CRITERIA & EVALUATION**

1. Idea Submission – 31<sup>ST</sup> March 2022
2. Pre-Screening Evaluation – From 1<sup>st</sup> April 2022
3. Grand Finale Evaluation – May/June 2022 (tentative)
4. Felicitation of Winners at Nodal Centers (Valedictory) – July 2022

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.

**Mentoring and Evaluation Sessions:**

- During the mentoring session the team members interact with the judges and representatives from the organizations gaining valuable feedback on the progress of their work and how can it be improved.
- The evaluation session in the evening is the time when the teams give a presentation of their application and answer the jury's questions.

Each team had a scheduled time slot of approx. 10-20 min for each of these sessions conducted via web conference.

For the final evaluation session, the teams had to give a complete walkthrough of their application/prototype developed during this hackathon and also submit a final presentation document.

**PRIZES:**

- Three winning team for every theme will be posted on the portal.
- 3 Winning Teams for each theme and Prize Money is Rs. 25000/-

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