

ਦਫਤਰ ਡਾਇਰੈਕਟਰ ਰਾਜ ਸਿੱਖਿਆ ਖੋਜ ਅਤੇ ਸਿਖਲਾਈ ਪ੍ਰੀਸ਼ਦ, ਪੰਜਾਬ  
ਬਲਾਕ-ਈ, ਛੇਵੀ ਮੰਜਿਲ, ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ ਕੰਪ: ਫੇਜ਼-8, ਐਸ.ਏ.ਐਸ.ਨਗਰ

ਫੋਨ ਨੰਬਰ:0172-2212221

ਵੱਲ

ਜ਼ਿਲ੍ਹਾ ਸਿੱਖਿਆ ਅਫਸਰ (ਸੈ.ਸਿ.),  
ਸਮੂਹ ਸਕੂਲ ਮੁਖੀ,  
ਪੰਜਾਬ।

ਸੀਮੇ ਨੰ: SCERT/SCS/202258928

ਮਿਤੀ: 14-03-2022

**ਵਿਸ਼ਾ: Smart India Hackthon-2022 ਸਬੰਧੀ।**

- 1.0 ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਵੱਲ ਧਿਆਨ ਦੇਣ ਦੀ ਖੇਚਲ ਕੀਤੀ ਜਾਵੇ ਜੀ।
- 2.0 Department of School Education & Literacy, Ministry of Education, Government of India ਵੱਲੋਂ ਸਮਾਰਟ ਇੰਡੀਆ ਹੈਕਾਥੋਨ (SIH) 2022 ਦੀ ਸ਼ੁਰੂਆਤ ਕੀਤੀ ਹੈ। ਜਿਸ ਵਿੱਚ ਪੰਜਾਬ ਰਾਜ ਦੇ ਸਰਕਾਰੀ ਸਕੂਲਾਂ ਦੇ ਵਿਦਿਆਰਥੀ ਨਵੀਨਤਾਕਾਰੀ ਵਿਚਾਰਾਂ ਅਤੇ ਸੰਕਲਪਾਂ ਨੂੰ ਪੇਸ਼ ਕਰਕੇ ਹਿੱਸਾ ਲੈ ਸਕਦੇ ਹਨ।
- 3.0 SIH ਜੂਨੀਅਰ (ਜੂਨੀਅਰ) ਟਰੈਕ ਦੇ ਤਹਿਤ ਵਿਦਿਆਰਥੀ (6ਵੀਂ ਤੋਂ 12 ਕਲਾਸ) ਸਕੂਲ ਫੈਕਲਟੀ ਲਈ ਸਿੰਗਲ ਪੁਆਇੰਟ ਆਫ ਸੰਪਰਕ (SPOC) ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਹੁਣ SIH ਪੋਰਟਲ ([www.sih.gov.in](http://www.sih.gov.in)) 'ਤੇ ਖੁੱਲ੍ਹੀ ਹੈ। SPOC SIH-2022 ਦੀ ਅਧਿਕਾਰਤ ਵੈੱਬਸਾਈਟ 'ਤੇ ਉਪਲਬਧ ਖਿਡੌਣੇ, ਹੈਲਥਕੇਅਰ, ਸਮਾਰਟ ਐਜੂਕੇਸ਼ਨ ਆਦਿ ਸਮੇਤ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਦੇ ਤਹਿਤ ਸਕੂਲੀ ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਟੀਮਾਂ ਨੂੰ ਨਾਮਜ਼ਦ ਕਰ ਸਕਦਾ ਹੈ। SIH ਜੂਨੀਅਰ ਸ਼੍ਰੇਣੀ ਨਾਲ ਸਬੰਧਤ ਹੋਰ ਵੇਰਵਿਆਂ ਲਈ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਹੈ।
- 4.0 SIH-2022 ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਹੈਂਡ-ਆਨ ਅਨੁਭਵ ਪ੍ਰਾਪਤ ਕਰਨ ਦੇ ਯੋਗ ਬਣਾਏਗਾ ਅਤੇ ਉਹਨਾਂ ਸਮੱਸਿਆ ਹੱਲ ਕਰਨ ਵਾਲੇ ਅਤੇ ਨਵੀਨਤਾਕਾਰਾਂ ਵਜੋਂ ਉਭਰਨ ਲਈ ਪ੍ਰੇਰਿਤ ਕਰੇਗਾ। ਰਾਜ ਦੇ ਸਾਰੇ ਸਕੂਲ ਮੁਖਿਆਂ ਨੂੰ ਹਦਾਇਤ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ SIH-2022 ਵਿੱਚ ਆਪਣੇ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਭਾਗੀਦਾਰੀ ਨੂੰ ਯਕੀਨੀ ਬਣਾਉਣ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕਰਨ।
- 5.0 ਉਕਤ ਵੇਰਵਿਆਂ ਸਬੰਧੀ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਹੈ।

  
ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ

ਰਾਜ ਸਿੱਖਿਆ ਖੋਜ ਅਤੇ ਸਿਖਲਾਈ ਪ੍ਰੀਸ਼ਦ, ਪੰਜਾਬ।



**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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Email sent to Dir (SCERT)

4-3-22

DGSE Punjab &lt;dgse@punjabeducation.gov.in&gt;

Dir (SCERT)

## Smart India Hackathon-2022

2 messages

4/3/22  
5.3/22 SRP(SC)

Fri, Mar 4, 2022 at 1:13 PM

Kham Ngaih Lun &lt;knlnun.edu@nic.in&gt;

To: "secy\_se@ap.gov.in" <secy\_se@ap.gov.in>, secy.se.edn@gmail.com, secretaryeducationap@gmail.com, secretaryeducation@gmail.com, pretomsaikia@yahoo.com, chakrabk <chakrabk@nic.in>, "ROBERT L. CHONGTHU" <secy-education-bih@gov.in>, secy-edn-bih <secy-edn-bih@nic.in>, ps.edu.cg@gmail.com, H Rajesh Prasad <secyedu@nic.in>, Secretary Education <secedu-sect.goa@nic.in>, Shri Ramesh Verma <secyrev.goa@gov.in>, secedu-pri@gujarat.gov.in, acssehry@gmail.com, Mr Rajneesh <secy-hedu-hp@nic.in>, ps.sed.jk@gmail.com, schooledujk@gmail.com, hrdjharkhand@gmail.com, prsprim-edu@karnataka.gov.in, A P M Muhammad Hanish I A S <secy.gedu@kerala.gov.in>, shajias@gmail.com, Rashmi <secy.sed@mp.gov.in>, psec.schedu@maharashtra.gov.in, acs.schedu@maharashtra.gov.in, trsingh13@yahoo.co.in, hmangsatabam@yahoo.co.in, dwahlang@yahoo.com, per\_09assistant@yahoo.com, secretarysedmiz@gmail.com, Mr MENUKHOL JOHN <secyedu-ngl@nic.in>, menukhol@yahoo.com, secysme@gmail.com, Ajoy Sharma <psse@punjab.gov.in>, dgse@punjabeducation.gov.in, secy.schooleducation@rajasthan.gov.in, gpupadyaya@gmail.com, sikkimhrdd@gmail.com, schsec@tn.gov.in, Secretary Education <prlsecyedu@telangana.gov.in>, spossatripura@gmail.com, Saumya Gupta <secy-edn.rd@tripura.gov.in>, ps.seced@gmail.com, secybasicedu@gmail.com, secyuk.edu@gmail.com, dgeduuk@gmail.com, pssecretary76@gmail.com, rmsundaramias@gmail.com, wbssed@gmail.com, Anjali Sehrawat <secedn@nic.in>, "dired.and dired.and" <dired.and@nic.in>, secyiptac2019@gmail.com, Nitin Kumar Yadav <hs-chd@nic.in>, Secretary Education <secy-edu-dd@nic.in>, shivkumarias@gmail.com, secretaryedn@gmail.com, "Secretary Education, Govt. of Puducherry Pondicherry" <secyedn.pon@nic.in>, Secretary to Government Government of Puducherry <dc.pon@nic.in>, Mr Ashok Kumar IAS <secytran.pon@nic.in>, pstocomsecutl@gmail.com

Cc: sieandaman@gmail.com, apscert@yahoo.com, scert.cse@apschooledu.in, scertarunachal@gmail.com, principalscertitanagar@gmail.com, dr.scertassam@rediffmail.com, directorscertbihar@gmail.com, scertbiharpatna@gmail.com, biharscert@gmail.com, ssdahiya@gmail.com, scertcg@gmail.com, scertdelhi@nic.in, dir12scert@gmail.com, scertgoa@gmail.com, Director SCERT Goa <dir-scert.goa@nic.in>, gcert12@gmail.com, director-gcert@gujarat.gov.in, dirs-cert@rediffmail.com, SCERT H P at Solan <scert-hp@nic.in>, siejammu@gmail.com, pri\_siej@rediffmail.com, jksamagra.te@gmail.com, jds-cert-jammu@gmail.com, principalsiekashmir@gmail.com, jcert.ran@gmail.com, dpi.dsert@gmail.com, Maruthi M R <dpi.dsert-ka@nic.in>, scertkerala@gmail.com, mpsscrt@yahoo.com, te\_mpsscrt@yahoo.com, dir.ms-cert@gmail.com, ms-cert.sbte@gmail.com, director@maa.ac.in, preserviceedudept@maa.ac.in, Moirangthem Meenakumari Devi <dir.scert-mn@nic.in>, meenakumariscert@gmail.com, scertmanipur@gmail.com, dertmegh@gmail.com, scertmizoram@gmail.com, Thejakhrielle Sekhose <dirscert-ngl@nic.in>, scertnagaland@rediffmail.com, scert\_orissa@yahoo.com, infoscertodisha@nic.in, "dired.and dired.and" <dired.and@nic.in>, paaneducation@gmail.com, k.vetriselvi@gmail.com, spdapssa@gmail.com, ssaassam@rediffmail.com, roshni.korati.ias@gmail.com, ssabihar@gmail.com, Palika Arora <dpi-chd@nic.in>, mis.head@gmail.com, rmsachg@gmail.com, Director Education <diredu-dd@nic.in>, spd\_delhi@rediffmail.com, State Project Director M Goa Samagra Shiksha <dir-gssa.goa@nic.in>, spdssa@gmail.com, ssaharyana@gmail.com, spdssahp@gmail.com, jksamagrashiksha@gmail.com, jepcranchi1@gmail.com, spdssakarnataka@gmail.com, spdrmsakerala@gmail.com, ssakerala@gmail.com, apkmtr@gmail.com, dseladakh@gmail.com, rakesh.singhal789@gmail.com, 31smsa.63@gmail.com, Director RSK <director-rsk@mp.gov.in>, dhanarajus.2009@gmail.com, mpsspamah@gmail.com, ssa\_manipur@rediffmail.com, nandakumarlaishram@gmail.com, achmarak@gmail.com, rmsa.spomeg@gmail.com, ssasmam.sgh@gmail.com, ssa\_semam@yahoo.com, ssamizoram@gmail.com, hmaicha12@gmail.com, spd-nagaland@yahoo.com, aiertemsunaro@gmail.com, State Project Director Bhubaneswar <Spd.opepa@nic.in>, opepaedu@yahoo.co.in, ssapondy@ymail.com, Director of School Education <dse-edn.pon@nic.in>, dgsepunjab18@gmail.com, dgse@punjabeducation.gov.in, rajmsa.commissioner@rajasthan.gov.in, spdrmsaraj@gmail.com, rajmsa.spd@rajasthan.gov.in, bhimthatal@gmail.com, spd.ssatn@gmail.com, "Saju Vaheed A." <spd-samagra@tripura.gov.in>, tg.cdse@gmail.com, sposamagratripura@gmail.com, Chandni Chandran <chandni.chandran@ias.nic.in>, secretarybasic04@gmail.com, upefaspo@gmail.com, secyuk.edu@gmail.com, spo.pbssm@gmail.com, Manoj Ahuja <chmn-cbse@nic.in>, sweta cbse <sweta.cbse@gmail.com>, kvs commissioner <kvs.commissioner@gmail.com>, acsa nvs <acsa.nvs@gao.in>, Vinayak Garg <commissioner.nvs@gov.in>, Dinesh Prasad Saklani <director.ncert@nic.in>, aictecm <aictecm@gmail.com>, chairman@aicte-india.org, Vineet Joshi <ashe-moe@gov.in>, Abhay Jere <cio-mhrd@gov.in>, Mohit Gambhir <mohit.gambhir@gov.in>, anjumsibia <anjumsibia@yahoo.com>, sih@aicte-india.org, innovationofficer@aicte-india.org, Tribhuwan Singh Rautela <ts.rautela@nic.in>

Respected Sir/ Madam,

Please find attached herewith a copy of D.O. letter dated 03.03.2022 along with its enclosures on the subject cited above for necessary action.

With regards,

(KHAMNGAIHLUN)

1267582 4/3/22

Under Secretary to the Govt. of India  
Ministry of Education,  
Department of School Education & Literacy  
Tele: 23381434



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 **D.O. Letter dated 03.03.2022.pdf**  
1553K

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**DGSE Punjab** <dgse@punjabeducation.gov.in>  
To: Directorscertpunjab Chandigarh <directorscert@yahoo.in>

Fri, Mar 4, 2022 at 1:17 PM

[Quoted text hidden]

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 **D.O. Letter dated 03.03.2022.pdf**  
1553K

अनीता करवल, भा.प्र.से  
सचिव

Anita Karwal, IAS  
Secretary



स्कूल शिक्षा और साक्षरता विभाग  
शिक्षा मंत्रालय  
भारत सरकार  
Department of School Education & Literacy  
Ministry of Education  
Government of India

D.O. No. F.10-12/2020-Sch.4

03<sup>rd</sup> March, 2022

*Dear School Education Secretary,*

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 we also want our school students to participate by submitting innovative ideas and concept.

2. 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 mindset. Moreover, 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 startups and employment opportunities in various organizations.

3. Keeping the spirit of doing better year on year, this year SIH-2022 welcomes the participation from school students (6<sup>th</sup> to 12<sup>th</sup> Class) under SIH Junior (Jr.) 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. The other details related to SIH Jr. Category can be checked in the attached annexure A.

4. SIH-2022 will enable students to get hands-on experience and will motivate them to emerge as problem solvers and innovators. Hence, I would request you to take necessary steps to encourage Principals of all schools in your State/Union Territory to ensure sincere and wholehearted participation of their students in SIH-2022.

5. For further queries, Dr. Mohit Gambhir, Director, Innovation cell may be contacted through email [mohit.gambhir@gov.in](mailto:mohit.gambhir@gov.in) or phone 011-29581225.

*Best wishes*

Yours sincerely,

*Anita Karwal*  
(Anita Karwal)

To

1. The School Education Secretaries of all the States & UTs.

124 'सी' विंग, शास्त्री भवन, नई दिल्ली-110001  
124 'C' Wing, Shastri Bhawan, New Delhi-110001  
Telephone: +91-11-23382587, +91-11-23381104 Fax : +91-11-23387589  
E-mail: [secy.sel@nic.in](mailto:secy.sel@nic.in)

Copy to:

1. The State Project Directors, Samagra Shiksha, of all States & UTs
2. The Directors, SCERT of all States & UTs
3. Chairman, CBSE, for similar necessary action in respect of CBSE schools
5. Commissioner KVS, for similar necessary action in respect of KVs
6. Commissioner NVS, for similar necessary action in respect of JNVs
7. Director NCERT, for similar action in respect of DM schools
8. Chairman, AICTE, Ministry of Education, New Delhi
9. Additional Secretary, Higher Education, Ministry of Education, New Delhi
10. CIO, Innovation Cell of Ministry of Education, New Delhi
11. Director, Innovation Cell of Ministry of Education, New Delhi
12. Prof. Anjum Sibia, Head, Manodarpan Cell, NCERT



(Anita Karwal)

Secretary, Department of School Education & Literacy,  
Ministry of Education,  
Government of India