



महाराष्ट्र शासन

## तंत्रशिक्षण विभागीय कार्यालय, पुणे

दूरध्वनी क्र.०२०-२५६५६२३४/२५६५७१७६  
Email ID : ropune@dtmaharashtra.gov.in

४१२-ई, शिवाजीनगर, पुणे - ४११ ०१६.



जा. क्र. : तंशिविकापु/विवि-३/२०२२/ १३३६  
दिनांक : २४/०३/२०२२

प्रति,

प्राचार्य / संचालक,  
या विभागीय कार्यालयाच्या अधिनस्त सर्व पदविका, पदवी व पदव्युत्तर पदवी  
व्यावसायिक अभ्यासक्रमाच्या संस्था (पुणे विभाग)



### विषय : Smart India Hackathon-2022

- संदर्भ : १. मा.संचालक, यांचे पत्र क्र. ३/२०२२/SIH-२०२२/०७/ दि. २३/१०/२०२२  
२. उच्चतर शिक्षा विभाग, नवी दिल्ली यांचे अ.शा.पत्र क्र. ३६-२/२०२१-टीएस-आय आय  
दि.११/१०/२०२१  
३. उच्चतर शिक्षा विभाग, नवी दिल्ली यांचे अ.शा.पत्र क्र. ३६-२/२०२१-टीएस-आय आय  
दि.०८/०३/२०२१

उपरोक्त विषयाच्या अनुषंगाने संदर्भिय पत्रान्वये उच्चतर शिक्षा विभाग, भारत सरकार व अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांचे मार्फत Smart India Hackathon (SIH) 2022 चे आयोजन करण्यात आलेले आहे. या स्पर्धेमध्ये Hardware मधील १०३ व Software चे ४५९ Problem Statements उपलब्ध करून देण्यात आलेले आहेत. या बाबत अधिक माहितीकरीता <https://www.sih.gov.in> या संकेत स्थळास भेट द्यावी.

या विभागीय कार्यालयाच्या अधिनस्त सर्व पदविका, पदवी व पदव्युत्तर पदवी व्यावसायिक अभ्यासक्रमाच्या संस्था सुचित करण्यात येते की, Smart India Hackathon (SIH) 2022 मध्ये भाग घेण्यात यावा. तसेच Smart India Hackathon (SIH) 2022 मध्ये भाग घेतलेल्या संस्थेनी दि.०१.०४.२०२२ रोजी ०२:०० वाजेपर्यंत <https://forms.gle/kCNREbxJrVGEsJL8> या GOOGLE FORM मध्ये माहिती भरावी. जेणेकरून सदरची माहिती संचालनालयास सादर करणे शक्य होईल.

तसेच Smart India Hackathon (SIH) 2022 मध्ये जास्तीत जास्त संख्येनी सहभागी होण्याकरीता विद्यार्थ्यांना प्रोत्साहित करण्यात यावे. या स्पर्धेत भाग घेण्याकरीता अंतिम दि. ३१ मार्च २०२२ आहे .

सोबत :- संदर्भिय पत्र

(अ.द.व्यं.जाधव)  
सहसंचालक  
तंत्रशिक्षण विभागीय कार्यालय, पुणे

प्रत :- १. प्रोग्रामर, तंत्रशिक्षण विभागीय कार्यालय, पुणे यांना तंत्रशिक्षण विभागीय कार्यालयाच्या संकेतस्थळावर प्रदर्शित करण्याकरीता



महाराष्ट्र शासन

# तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य

१, एम.ए.ए.सी. मार्ग, परभेरी क. १७६७, मुंबई ४०० ००१

दूरध्वनी क्र. ०२२-६८५९७४३६, ई-मेल: desk3@demaharashtra.gov.in, वेबसाईट: <http://www.dtemaharashtra.gov.in>

जा. क्र. ३/२०२२/सि.ह. २०२२/ ०८०

दिनांक: २३/०३/२०२२

प्रति,

सहसंचालक,

विभागीय कार्यालय, अमरावती, नागपूर, नाशिक, औरंगाबाद, मुंबई, पुणे

विषय: Smart India Hackathon-2022

संदर्भ: (१) उच्चतर शिक्षा विभाग, नवी दिल्ली यांचे अ शा पत्र क्रं. ३६-२/२०२१-१५-॥ दि. ११/१०/२०२१

(२) उच्चतर शिक्षा विभाग, नवी दिल्ली यांचे अ शा पत्र क्रं. ३६-२/२०२१-१५-॥ दि. ०८/०३/२०२१

महोदय,

उपरोक्त विषयाच्या अनुषंगाने संदर्भीय पत्रानुसार उच्चतर शिक्षा विभाग, भारत सरकार व अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांचे मार्फत "Smart India Hackathon (SIH) 2022" चे आयोजन करण्यात आलेले आहे. या स्पर्धेमध्ये Hardware मधील १०३ व Software चे ४५९ Problem Statements उपलब्ध करून देण्यात आलेले आहेत. या बाबत अधिक माहितीकरीता <https://www.sih.gov.in> या संकेत स्थळास भेट द्यावी.

सर्व सहसंचालकांना सुचित करण्यात येत आहे की, "Smart India Hackathon (SIH) 2022" मध्ये भाग घेण्याकरीता आपल्या अधिपत्याखालील सर्व अभियांत्रिकी पदवी/पदविका शासकीय, अनुदानित, व विना-अनुदानित संस्थांना कळवीण्यात यावे. तसेच या स्पर्धेमध्ये भाग घेण्याकरीता संस्थांना सोबत जोडलेल्या प्रपत्रातील सुचनांनुसार कार्यवाही करणेबाबत कळवीण्यात यावे.

"Smart India Hackathon (SIH) 2022" मध्ये भाग घेतलेल्या संस्थेची माहिती संचालनालयास [desk3@demaharashtra.gov.in](mailto:desk3@demaharashtra.gov.in) या ई-मेल वर खालील प्रमाणे कळवीण्यात यावी.

अ.क्र.	संस्थेचे नाव	"Smart India Hackathon (SIH) 2022" मध्ये भाग घेणा-या चमूची संख्या	Problem Statement	स्पर्धेचा दिनांक	स्पर्धेचे ठिकाण

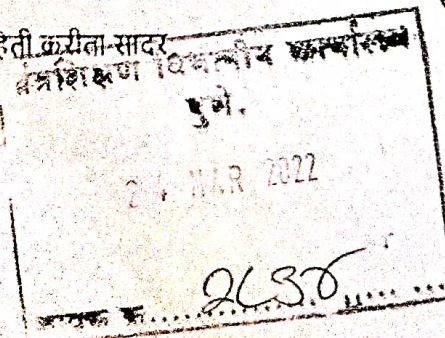
"Smart India Hackathon (SIH) 2022" मध्ये जास्तीत जास्त संख्येने सहभागी होण्याकरीता विद्यार्थ्यांना आवाहन करण्यात यावे, या स्पर्धेत भाग घेण्याकरीता अंतिम दिनांक ३१ मार्च २०२२ आहे.

(डॉ. अभय वाघ)

संचालक, तंत्र शिक्षण, महाराष्ट्र राज्य

प्रत: (१) गा. प्रधान सचिव यांना माहिती करीता-सादर

(२) का. क्र ३ (निवड नसती)



वि. क्र. ३  
९  
२४/०३/२०२२

## SPOC REGISTRATION

- **How do I register for Smart India Hackathon 2022?**  
Students can not directly register themselves. If you are a student, you can only be registered by your college SPOC. If you are a SPOC you can click on <https://www.sih.gov.in/> for registration.
- **How a student can register?**  
Only those students are allowed to be registered who are selected in Internal Hackathon. The college SPOC will be responsible to nominate the top 15 teams as per the internal hackathon results.
- **SPOC Account Approval**  
Once you registered as SPOC, SIH implementation team will authorize your account. You are eligible only after your account is verified.

## CONDUCT INTERNAL HACKATHON

College SPOC have to upload an Internal hackathon report on their dashboard portal. The report should be in a single PDF with the details of the internal hackathon organized in your college. You can include as much details and create a report on the internal hackathon organized (maximum 15 page).

Report must Contains:

1. About the event
2. Photos of the event organized
3. Pictures of all participating teams,
4. Judging process
5. Jury panel photo and relevant details
6. Nominated top teams
7. Judges photos and details
8. Total teams and students participated and photos
9. News article if any
10. Twitter/FB/LinkedIn link for the event organized and promoted on your social media
11. Use of hashtags such as #sih2022 #smartindiahackathon2022 is must.
12. Tag official page of innovation cell, ministry of education on twitter

Please note that the internal hackathon can be organized either in online or offline mode.

## TEAM FORMATION

- 1) All team members should be from same college; no inter-college teams are allowed. However, members from different branches of the same college/ institute are encouraged to form a team.
- 2) Each team would mandatorily comprise of 6 members including the team leader.
- 3) Each team must have AT LEAST ONE FEMALE TEAM MEMBER.

- 4) As the software edition of the hackathon is digital product development competition, majority of the team members MUST be well versed with programming skills. For the hardware edition, we encourage multi-disciplinary teams – which means your team should have a good mix of Mechanical Engineers, Electronic Engineers, Product Designers and Programmers, etc.
- 5) The nominated teams should have participated in the recommended Internal hackathon.

**TEAM SUBMISSION PROCESS**

- 1) It is mandatory that the College SPOC enters the details for a nominated team in the prescribed format only (Sample attached below, also can be downloaded from the SPOC dashboard). Team details once entered cannot be altered. College SPOC will be responsible to ensure that all the data entered by him/ her is accurate.

\*\*\*\*\*

< College letter head >

Date: xx/Month/2022

**Sub: Smart India Hackathon 2022 – Nomination**

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration/ AISHE code No for our college is

**Team :** < Team Name >

	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
Team Leader						
Team Member						
Team Member						
Team Member						
Team Member						
Mentor 1 (Optional)						
Mentor 2 (Optional)						

**(Instructions for colleges:**

**\*Issue One Consent letter per team. Please follow the college authorization letter format given here. If the format is changed, the team is likely to get disqualified.**



**\*\*Please remove these 2 instruction lines in the bracket before saving and uploading the form)**

Sincerely,

< Principal's Name >

Sign/-

The Principal < College Stamp >

\*\*\*\*\*

- 2) The letter must be issued on college letterhead only. It must clearly state name of the team and all 6 team members and must be duly signed by college principal/ dean/ institute director and bear the college seal. This letter will be required during the grand finale, if the team is selected for grand finale.
- 3) The team name should be unique and must not contain the name of your institute in any form.
- 4) A max of 15 teams (10 Shortlisted + 5 Waitlisted) per college can be nominated (including PS statement based/Student innovation category).
- 5) There is no bar for the Software and hardware categories. You can make the combination as per your convenience but the total number of the teams should not breach 15 team's criteria.

### IDEA NOMINATION PROCESS

- SPOC registration has already started on 11<sup>th</sup> January 2022 & the last date for team nomination and idea submission by College SPOC on SIH portal is till 31st March 2022.
- Idea submission counter will start from 10<sup>th</sup> March 2022 and only 125 ideas will be submitted for a particular PS. Once the counter got all 125 ideas, the particular PS will get freeze and no idea submission will be allowed for the respective PS.
- Counter with the ideas submitted numbers and Ideas left numbers will be displayed in the public domain just opposite to the PS and can be viewed by anyone on [sih.gov.in](http://sih.gov.in).
- Nominated Team's team leader will get the Login credentials by 9<sup>th</sup> March 2022 to complete the idea submission process.
- The team leader needs to enter the details on the SIH portal that include:
  - 1) Verify pre-entered Team name.
  - 2) Verify pre-entered College authorization letter PDF (in given format)
  - 3) Verify pre-entered Names of team leader and the rest 5 team members
  - 4) Verify pre-entered Gender of team leader and the rest 5 team members
  - 5) Verify pre-entered Email id of all the team members along with the team leader
  - 6) Verify pre-entered Mobile no. of all the team members along with the team leader
  - 7) Chosen problem statement or Student Innovation Category.
  - 8) Idea title.





- 9) Idea description.
  - 10) Idea PPT PDF.
- The last date for team nomination and idea submission by College SPOC and Team leader on SIH portal is till 31<sup>st</sup> March 2022 only. No request will be entertained after the deadline.

### **IDEA SELECTION CRITERIA**

Post Idea submission process, the ideas will be evaluated by experts. Evaluation criteria will include novelty of the idea, complexity, clarity and details in the prescribed format, feasibility, practicability, sustainability, scale of impact, user experience and potential for future work progression.

### **MODE OF HACKATHON**

SIH 2022 will be held offline at various nodal centers across pan India and teams have to travelled to their respective nodal centers. The tentative dates for the hackathon is 2<sup>nd</sup>/3<sup>rd</sup> week of July 2022.

### **SHORTLISTED IDEAS ANNOUNCEMENT**

- 1) Notification about selected teams will be put up on our portal and will also be sent to their respective email IDs.
- 2) Be available for meetings, sessions and trainings during the preparation phase; you will be notified about them in advance.
- 3) Around 4 to 5 teams per Problem Statements are selected to compete in grand finale. However, this no completely depends upon the Problem Statements creating organization. The organization, who has submitted problem statements, is not at all bound under any circumstances to declare any winner in the grand finale. They can only select if the ideas proposed by the students meet their expectations.

### **MENTORS ELIGIBILITY**

- 1) For Software Edition, after teams are shortlisted, each team will have the option of selecting 2 mentors from the industry or academia. A mentor is expected to have relevant experience of Industry/ Academic experience to qualify. Each team of 6 team members may or may not have 2 mentors.
- 2) For Hardware Edition, 2 Industry mentors are encouraged specifically those with over 5 years of hands on experience in hardware industry. Each team of 6 team members may have 2 mentors.

### **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





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 SIH2022 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) College faculty members 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 college/institute will issue a stamped photo ID to each member of the teams selected for the finale
- 6) College photo ID is mandatory for participating in the finale.

### PROBLEM STATEMENTS AND PRIZES TO BE WON

- 1) SIH2022 brings you problem statements from leading public and private organizations, union ministries, state governments and NGOs in India.
- 2) There would be ONE single winning team for every problem statement posted on the portal. The prize money will be given by the collaborating ministry/ industry ONLY IF that organization likes the idea of the winning team. However, it is NOT mandatory to announce only one winning team against each problem statement. If the collaborating ministry/ industry conclude that none of the ideas are up-to-the-mark, they may not announce any winning team at the finale.
- 3) Amount of prize money to be awarded to each winning team is Rs.100000/- per problem statement.
- 4) If there is a tie between two or more teams, the final decision of the prize money distribution will be taken by the problem statement creator only and once the decision is made, it won't be changed further.
- 5) Teams are also encouraged to think out-of-the-box and provide creative solutions to themes under 'Students Innovation' category. Please note that only 15 teams' max (including theme based/Student Innovation) are allowed from one college.
- 6) Prize money for student innovation category will also be different. 3 teams per nodal center will





SMART INDIA  
HACKATHON  
2022

## Guidelines and Process flow for SIH Sr.



be selected of which 1st prize money will be of Rs 1 Lac and 2nd of Rs 75000 and 3rd will be of Rs 50000. There may be 3-4 nodal centers (tentatively) for student innovation category.

### MISCELLANEOUS INFORMATION

- 1) Intellectual property (IP) of the winning idea would be split equally between industry that gave the problem statements and the winning team or will be decided on the mutual agreement.
- 2) Selected ideas will be supported to be developed further so that industries/ government institutions will be able to utilize these ideas; more efforts beyond the finale are required from the selected teams thereafter.
- 3) The ideas or solutions provided/developed/proposed by the team's must be new and must not have been present in any previous event/program of any sort.



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



Persistent

