



Anmol Arora &lt;tecniawebsite@tecnia.in&gt;

## Fwd: Reminder: IIC Institutes are Invited to take part in Smart India Hackathon 2022 and Conducting of Internal Hackathons by 15th April,2022

1 message

Directortias &lt;directortias@tecnia.in&gt;

Mon, Apr 4, 2022 at 3:57 PM

To: IIC-TIAS &lt;iic@tecnia.in&gt;, hod bca &lt;hodbca@tecnia.in&gt;

Cc: "Placements TIAS ." &lt;placementstias@tecnia.in&gt;, Anmol Arora &lt;tecniawebsite@tecnia.in&gt;, DEAN JMC &lt;deanjmc@tecnia.in&gt;, HOD MBA &lt;hodmba@tecnia.in&gt;, IQAC &lt;IQAC@tecnia.in&gt;

### URGENT for compliance

----- Forwarded message -----

From: IIC MHRD &lt;iic.mhrd@aicte-india.org&gt;

Date: Mon, Apr 4, 2022 at 3:05 PM

Subject: Reminder: IIC Institutes are Invited to take part in Smart India Hackathon 2022 and Conducting of Internal Hackathons by 15th April,2022

To:

Dear Sir/Madam,  
Greetings from MoE's Innovation Cell!

It is to inform you that the last date for **College SPOC registration (SIH 2022)**, team nomination and idea submission has been extended to **April 15,2022**

In this regard, all IIC institutions are instructed to register for SIH 2022 and conduct Internal hackathon to encourage students to submit their ideas **April 15,2022**. **Institute may submit the report of Internal Hackathon as a Self-Driven activity in Quarter 3.**

#### General flow of SIH participation is as follows:

- 1\*.College Spoc registration(PFA College Consent letter format) and submission of internal hackathon report .  
(login password will be generated after verification from MIC(Spoc have to click on the email verification link first)
- 2.Team nomination(Up to 15 teams) and upload of college authorization letters(format attached) for nominating individual teams by the college spoc
- 3.Team login will be sent automatically to the team leader's email id once the College SPOC freezes the team details.
4. Team leader will login and submit the ideas against the selected PS(Problem statement)

#### \*Kindly Register Now as a College Spoc

<https://www.sih.gov.in/collegeRegistration>

and after registration login at

<https://www.sih.gov.in/signin>Please refer the guidelines and process flow of Smart India Hackathon at: <https://sih.gov.in/letters/Guidelines-College-SPOC.pdf>

College SPOC Repository link:

<https://drive.google.com/drive/folders/1KaCL9G6W7mIZbIVBUXPOBI3gLF2EiDc0>For any queries related to SIH, please drop a mail at [hackathon@aicte-india.org](mailto:hackathon@aicte-india.org) or call us at 011-29581235 or 29581241 or 29581326

Regards

IIC National Coordination Team

MHRD's Innovation Cell, AICTE, New Delhi



#### 2 attachments

**College Consent Letter for SPOCs\_SIH2022.doc**  
32K **College Authorization letter\_SIH2022 (1).docx**  
14K

< 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 No for our college is \_\_\_\_\_.

**Team :** < Team Name >

|             | <b>Name</b> | <b>Gender (M/F)</b> | <b>Email id</b> | <b>Mobile no.</b> |
|-------------|-------------|---------------------|-----------------|-------------------|
| Team Leader |             |                     |                 |                   |
| Team Member |             |                     |                 |                   |
| Team Member |             |                     |                 |                   |
| Team Member |             |                     |                 |                   |
| Team Member |             |                     |                 |                   |
| Team Member |             |                     |                 |                   |

***(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 >

< College letter head >

Date: xx/Month/2022

To: Whom so it May Concern:

**Sub: Smart India Hackathon 2022 – Appointment of College SPOC**

This is to inform that the following Principal/ Dean/ official/ faculty member from our institute has been appointed as College Single Point of Contact (College SPOC) for Smart India Hackathon 2022.

**Name of Official:**

**Designation:**

**Mobile no:**

**Email id:**

*(Only 1 SPOC per institute is allowed.)*

We understand that, the SPOC will be:

- Single Point of Contact to reach out to regarding any SIH2022 related communication to the institute/ student teams from SIH organizers.
- SPOC will be responsible for nominating top 15 teams - 10 Shortlisted and 5 Waitlist teams inclusive of both software and hardware.

Sincerely,

< Principal's Name >

Sign/-

The Principal            < College Stamp >



# SMART INDIA HACKATHON 2022

Roles and Responsibilities of the SPOCs for SIH 2022

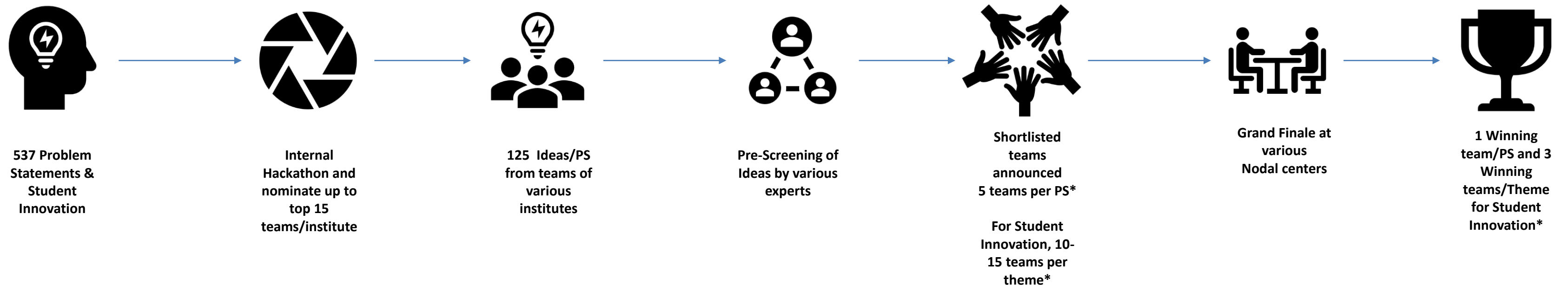
### College SPOCs:

1. Register on SIH 2022 Portal as a SPOC on <https://www.sih.gov.in/collegeRegistration>.
2. Only senior Faculty/Registrar/Dean/HoD/Director etc. can be registered as a SPOC. The SPOC needs to get an authorization consent letter from his Institute (either from Director, VC, Principal, or the like). The authorization letter format can be accessed from the website under the registration page. It is mandatory for a SPOC to upload a letter on his institute letterhead from a Director/Principal/Vice-Chancellor/Registrar or the like. The college seal on the letterhead is also mandatory.
3. Students cannot register as SPOC or submit their teams on our portal. The team(s) nomination will be done by an authorized SPOC of the institute only.
4. Once you are registered, the SIH team will review the SPOC authorization Letter and approve/disapprove (you will receive notification via email at your registered email ID)
5. Once approved, the College SPOC needs to provide the internal hackathon details and submit a PDF report with details related to how many teams participated, students, male, female, mode of the hackathon, challenges/PS's worked, images, and repository link (if any).
6. Once you complete this, you will be directed to fill (nominate) the top 15 teams (10 Shortlists and 5 waitlists).
7. The SPOC can nominate the teams in any of the categories i.e. Hardware and Software and select at least 5 teams in Student Innovation and 10 against the Problem Statements. The College SPOC can nominate at max 15 teams (HW+SW both) having at least one mandatory female Member in each Team.
8. On 10th March 2022, the Idea Submission for the nominated teams will go live and these nominated teams will be able to log in and select their choice of PS and submit the ideas against them. Login Credentials for the nominated Team leader will be sent by 9th March 2022.
9. Please note that each PS will have a maximum count of ideas to **125** only. It will be a first come first serve basis system to select the PS of their choice. **Hence, it is recommended for the institutes to organize the internal hackathon as soon as possible so that the nominated teams will get their choice of PS.**
10. Once 125 ideas are received at a particular PS (**Counter will be seen publicly**), that PS will be blocked/freeze and no more ideas will be able to be submitted on that particular PS.
11. Idea PPT format and other details will only be available on the team leader's login.

**Team Formation – 6 Members (including the team leader) and 2 Mentors (optional). Mentors can be Industry experts or Senior Faculty members. It is mandatory to have one female member on the team. All-female member teams can also be formed.**

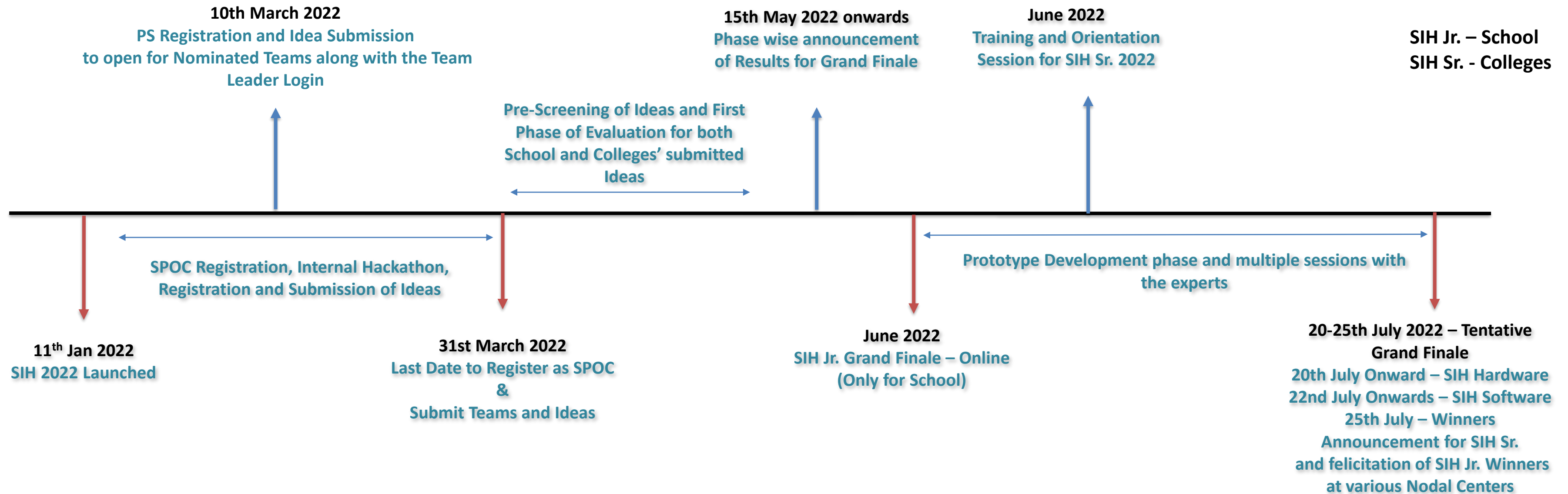
### Process Flow: College

1. For Colleges, the teams can work either on Problem Statements (listed on our website under the Problem statement page) or Student Innovation (listed themes). In student Innovation, the teams can create and solve solutions to various challenges of their own, but it should be listed in one of the themes listed on our website.
2. For Colleges, Each Problem Statement (PS) to have a maximum count of 125 ideas submitted from teams of various institutes.
3. For Colleges, SPOC needs to nominate 15 teams of which 10 teams are shortlisted and 5 are waitlists.
4. Also, 10 teams need to be selected against the Problem Statements and 5 against the student innovation. However, this time the SPOC can nominate teams in any of the hardware or software categories. But it is recommended that SPOCs nominate teams in various categories for equal distribution of teams from their institute in various problem statements, students' innovation, and Categories.
5. Prize Money for the winning teams is Rs. 1,00,000/- in Problem Statements submitted by various Organizations. For Student Innovation, 3 prizes worth Rs. 1,00,000/-, Rs. 75,000 and Rs. 50,000/- for each theme or Nodal Center\*



**\*Please note that the numbers are tentative and depends on the evaluation process and quality of idea/prototype received. There is an additional evaluation round for the hardware teams.**

# Timeline for SIH 2022 – Colleges



## NOTE:

1. Please note that the PS Selection and Idea Submission for College teams will happen through the team leader login. Idea PPT template will be available only through the login of the team leader. Login credentials of the team leader to be shared by 9th March 2022.
2. For College, Mentor details are to be added by the team leader. Once the details are submitted by the team, information will be reflected to the dashboard of the SPOC for approval.
3. There is an upper cap of the ideas submitted against each PS. Only 125 ideas can be submitted against one PS. Hence, it is suggested to have the internal hackathon organized as soon as possible so that team can select the PS of their choice.
4. All-female members team can participate in this hackathon.



### 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         |      |              |          |            |        |      |
| 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.

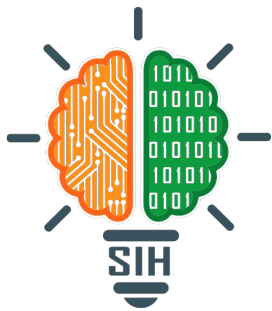
### **PROBLEM STATEMENTS AND PRIZES TO BE WON**

- 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

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.



**SMART INDIA  
HACKATHON  
2022**

# Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

PS Code:

Problem Statement Title:

Team Name:

Team Leader Name:

Institute Code (AISHE):

Institute Name:  

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Theme Name:

# Idea/Approach Details

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Describe your idea/Solution/Prototype here:



Add process flow chart or simulated image of prototype or any relevant image related to your idea

Describe your Technology stack here:





# Idea/Approach Details

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Describe your Use Cases here

□

3

Describe your Dependencies / Show stopper  
here

□

# Team Member Details

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## Team Leader Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Member 1 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Member 2 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Member 3 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Member 4 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Member 5 Name: Type Your Name Here

Branch (Btech/Mtech/PhD etc):

Stream (ECE, CSE etc):

Year (I,II,III,IV):

## Team Mentor 1 Name: Type Your Name Here

Category (Academic/Industry):

Expertise (AI/ML/Blockchain etc):

Domain Experience (in years):

## Team Mentor 2 Name: Type Your Name Here

Category (Academic/Industry):

Expertise (AI/ML/Blockchain etc):

Domain Experience (in years):

# Important Pointers

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Please ensure below pointers are met while

- Kindly keep the maximum slides limit to 4 pages
- All the topics should be utilized for description of your idea
- Try to avoid paragraphs and post your idea in points
- Keep your explanation precisely and easy to understand
- Idea should be unique and novel. If it has a business potential more weightage will be given.
- Apart from this PPT abstract of your idea will be asked separately while submitting
- You need to save the file in PDF and upload the same on portal. No PPT, Word Doc or any other format will be supported
- You can delete this slide (Important Pointers) when you upload the details of your idea on SIH portal.