

SMART INDIA HACKATHON 2020
SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

HIGHLIGHTS FOR SIH 2020

ELIGIBILITY CRITERIA

- All technology students from AICTE / UGC / IIT / NIT / IISER / IIIT / Government approved educational institutions.
- Team of 6 students is **mandatory** of which at least one should be a female candidate.
- In event of a tie, a team with more female members will be selected.

PROCESS FOR SIH 2020

- Problem statements are released and available on **www.sih.gov.in**
- Maximum **2 Additional Teams** in Hardware Category per institution are allowed to participate in SIH-2020 for the **46 reopened problem statements**.
- The SPOC (Single-Point-Of-Contact) from the Institute will upload the details of the Internal Hackathon on the SIH Portal.
- SPOC will enter the selected teams and their idea document on the SIH portal in presence of the team leader on SIH portal.
- Last date for entering selected teams at SIH portal by college SPOC is March 11, 2020.
- **Important: All submissions should come from the college SPOC only. Submissions of ideas directly from students will not be accepted.**

PROBLEM STATEMENTS AND PRIZES TO BE WON AT THE GRAND FINALE OF SIH-2020

- SIH-2020 brings the problem statements from leading public and private organizations, union ministries and NGOs of India.
- There would be ONE single winning team for every problem statement posted on the portal. Few problem statements might not have any winning team.
- Amount of prize money awarded to the winning team would be **Rs. 1 Lakh per problem statement**, only if the idea is liked by the problem statement creator organization.
- 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.
- Teams are also encouraged to think out-of-the-box and provide creative solutions to themes under **Students' Innovation** category.
- Ideas submitted under Students' Innovation category might have different prize money.

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INTERNAL HACKATHON 2020

ADDITIONAL NOMINATIONS [Hardware]

The Idea Documents for the 46 reopened problem statements under Hardware Category are invited till **02-03-2020** [Monday] in the prescribed format. The team leader should register the team with SPOC by 28-02-2020 [3:00 pm] by submitting the filled Team Registration form.

The review of submitted Idea Documents from the teams registered with SPOC by 28-02-2020 will be conducted by Panel of Experts to shortlist TWO teams (on evaluation rank order) as ADDITIONAL NOMINATIONS to SIH-2020 under Hardware Category.

The nomination in Internal Hackathon does not guarantee the team's participation in Grand Finale of Smart India Hackathon 2020.

The idea-cum-team selection will be conducted by panel of Judges will be solely based on the Idea Documents submitted to SPOC.

Interested Students should visit <https://www.sih.gov.in/sih2020PS>) for details on the 46 reopened problem statements.

GUIDELINES FOR 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 comprise of 6 members (of which **at least one member must be a female**) including the team leader. The team will not include faculty members.
3. As the software edition of Hackathon is digital product development competition, majority of the team members MUST be well versed with programming skills.
4. For the hardware edition, we encourage multi-disciplinary teams - which mean the team should have a good mix of Mechanical Engineers, Electronic Engineers, Product Designers and Programmers.
5. The team name should be unique and must not contain the name of your institute in any form. [avoid commonly used names; preferably end with underscore + digits]
6. A team can make multiple idea submissions for different problem statements under the same team name.
7. **Team members CANNOT be associated with multiple teams on parallel.** Any such attempt will lead to disqualification of the team.
8. **Teams that are already nominated from RCOEM to SIH in PHASE-1 are not eligible for the Additional Round.**

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RULES FOR CREATING THE IDEA DOCUMENT PPT

1. A team may submit more than one idea at the Internal Hackathon. It is strongly recommended that the teams must focus on submission of few quality solutions with well thought approach to stated problem(s).
2. The idea document PPT should be compiled strictly as per the prescribed format. [download the [Idea_Document_Template.pdf](#) at www.rknec.edu]
3. Idea document PPT for a team must be in **3-4 slides** and converted into a PDF.
4. The first slide will include - Ministry/Organization Name, Problem Statement (also include PS Number), Team Name, Team Leader name and College Code.
5. The second slide will include - Description of Your Idea | Solution | Prototype, and Description of the Technology Stack.
6. The third slide will include - Description of Your Use Cases, and Description of Your Dependencies | Show Stoppers.
7. The fourth slide may be used if required to accommodate details of earlier points.

SINGLE-POINT-OF-CONTACTS [SPOCs]

Prof. Dilipkumar A. Borikar,
Assistant Professor, CSE

Prof. Vipul S. Lande,
Assistant Professor, ECE

IDEA SUBMISSION ON SIH PORTAL

1. A college can nominate 2 additional hardware teams.
2. The college SPOC will enter selected teams on the SIH portal.
3. Idea submissions will be made in the presence of Team Leader only.
4. Submission dates should be strictly followed. No exceptions will be made.

SELECTION CRITERIA FOR GRAND FINALE OF SIH 2020

1. Evaluation criteria will include novelty of idea, complexity, clarity and details in prescribed format, feasibility, practicability, sustainability, scale of impact, user experience and potential for future work progression.
2. While selecting between 2 similar ideas, preference will be given to the team with maximum number of female members.
3. In event of a tie, the decision of the creator of the problem (ministry or organization) will be final.