

SMART INDIA HACKATHON 2020

RVR&JC College of Engineering

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 7 teams (5 teams for Software edition + 2 teams for Hardware edition) per institution are allowed to participate in SIH-2020.
- Every institution for participation into SIH-2020 will organize Internal Hackathon before submitting the selected teams on the SIH portal.
- 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 January 25, 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.

SMART INDIA HACKATHON 2020

RVR&JC College of Engineering

INTERNAL HACKATHON 2020

The Internal Hackathon [Software & Hardware] of RVR & JC CE will be conducted on January 13, 2020 [Monday]. It will be an open-house event, which will see the selection of **5** Best Ideas from **5** distinct teams for Software Edition and **2** Best Ideas from **2** distinct teams for Hardware Edition from among the ideas submitted. These **7** selected teams will be making the RCOEM's official nominations to Smart India Hackathon 2020. The selected teams will be inclusive of the teams from Students' Innovation category.

The selected teams of Internal Hackathon will undergo the formal SIH 2020 procedure of further short-listing the teams (from among the institutes across India) for the Grand Finale, which will be hosted across the Nation on 14-15 March 2020 (tentative dates) for Software Edition and on 06-10 July 2020 (tentative dates) for Hardware Edition. The selection 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 during the Internal Hackathon and the judgment will be solely based on the Idea Documents [to be presented by prospective team in prescribed format only]. The idea submission by a team may be summarily rejected if the idea document overrides the mentioned guidelines.

As only 7 best idea documents will make it to SIH 2020, it is suggested that student teams should invest sufficient time in conceptualization of the solution to the stated problem (for detailed problem statements visit <https://www.sih.gov.in/sih2020PS>) and creating the idea document for submission.

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.

SMART INDIA HACKATHON 2020

RVR&JC College of Engineering

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. The Idea document PPT for a team must be in **3 slide** format 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.

SINGLE-POINT-OF-CONTACTS [SPOCs]

Software Edition

Hardware Edition

GUIDELINES FOR REGISTRATION OF A TEAM FOR INTERNAL HACKATHON

1. Only team leaders will be responsible for registering the team with the SPOCs.
2. Teams willing to register for both Software and Hardware category shall submit separate registration forms for each category to concerned SPOC.
3. Team registrations can be made from January 02, 2020 to January 11, 2020 . No registrations will be entertained after the said deadline.
4. Team leaders will approach the concerned SPOC with filled-in registration form to register for Internal Hackathon 2020.
5. **Only the registered teams will be allowed to present the mentioned problem statements to the panel of judges during the Internal Hackathon.**
6. Team leaders therefore should thoughtfully select problem statements before filling up the registration form.
7. All members of the registered teams presenting the idea to the jury will receive the participation certificate at the Internal Hackathon. The registered teams not reporting to Internal Hackathon for evaluation will **not** get participation certificate.
8. **The teams should NOT submit the idea document(s) to the concerned SPOC. This will guarantee the confidentiality of the proposed solution(s).** Although team leader will be required to submit PDF copy of all idea documents (as per registration form) at the Internal Hackathon on 13 January 2020.

SMART INDIA HACKATHON 2020

RVR&JC College of Engineering

PROCESS FOR INTERNAL HACKATHON

1. Internal Hackathon will be conducted on **January 13, 2020**. The detailed schedule will be notified through Notice Boards and on www.rvrjc.ac.in
2. There will be separate Panel of Judges for evaluation of idea documents for Software Category and Hardware Category and the evaluation will proceed in parallel.
3. The team leader (with the members) shall demonstrate the idea statement(s) to the Judges in a PowerPoint presentation.
4. The team leader will ensure submission of idea document(s) in PDF format before presenting it for evaluation during Internal Hackathon.
5. The Judges will review and evaluate the Idea Documents and select the **7** best teams (5 teams for Software Edition and 2 teams for Hardware Edition). These 7 teams will be nominated to SIH 2020 by the college.
- 6. The decision of judges will be final and binding on all teams.**
7. The details of the 7 nominated teams for SIH-2020 will be posted on college website.

IDEA SUBMISSION ON SIH PORTAL

1. A college cannot nominate more than 7 teams under any circumstances.
2. After Internal Hackathon, 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.

ACT NOW...

- Team Leaders to form teams on immediate basis.
- Team may approach faculty for clarity on the formulation of solution.
- Register your team with the concerned SPOC.
- It is perfectly fine to decide a faculty as prospective mentor and begin conceptualization of the solution for desired problem statement.
- Team to select most appropriate problem statement(s) and prepare structured idea document(s) for submission at Internal Hackathon on 18 January 2020.