SMART INDIA HACKATHON 2019

MHRD

AICTE — All India Council for Technical Education

MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

PERSISTENT

i4c

रामभाऊ म्हाळगी प्रबोधिनी
Rambhau Mhalgi Prabodhini

Launched on - *August 29, 2018*

THIS YEAR WE HAVE

HARDWARE & SOFTWARE

EDITIONS

Important Timelines

Last Date of SPOC registration (Software edition) : January 15, 2019
Last Date of SPOC registration (Hardware edition) : January 15, 2019

Last Date of Software edition Submission* : January 20, 2019
Last Date of Hardware edition Submission* : January 20, 2019

Announcement of shortlisted teams: Feb 15, 2019
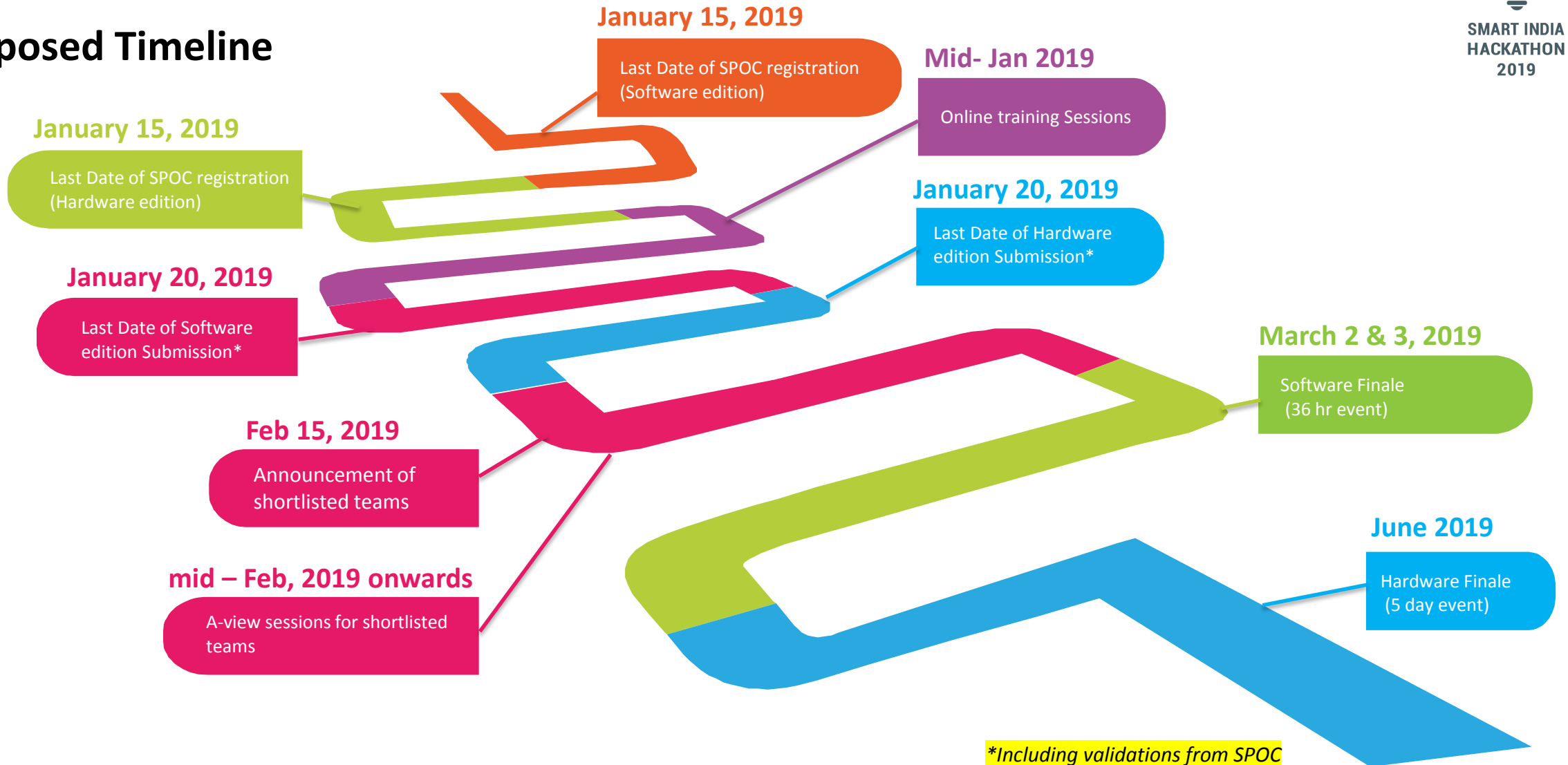
Software Finale : March 2 & 3, 2019 (36 hours event)
Hardware Finale : June 2019 (5 days event)

*Including validations from SPOC

Smart India Hackathon 2019

Proposed Timeline

January 15, 2019
Last Date of SPOC registration (Software edition)

Mid- Jan 2019
Online training Sessions

January 15, 2019
Last Date of SPOC registration (Hardware edition)

January 20, 2019
Last Date of Hardware edition Submission*

January 20, 2019
Last Date of Software edition Submission*

March 2 & 3, 2019
Software Finale (36 hr event)

Feb 15, 2019
Announcement of shortlisted teams

June 2019
Hardware Finale (5 day event)

mid – Feb, 2019 onwards
A-view sessions for shortlisted teams

*Including validations from SPOC

A Few Statistics…

Problem Statements	Industry (95)	Ministry (18)	Student Innovations	Total
Software	208	113	14	335
Hardware	105	78	12	195
Total	313	191	26	**530**

Participating Organizations
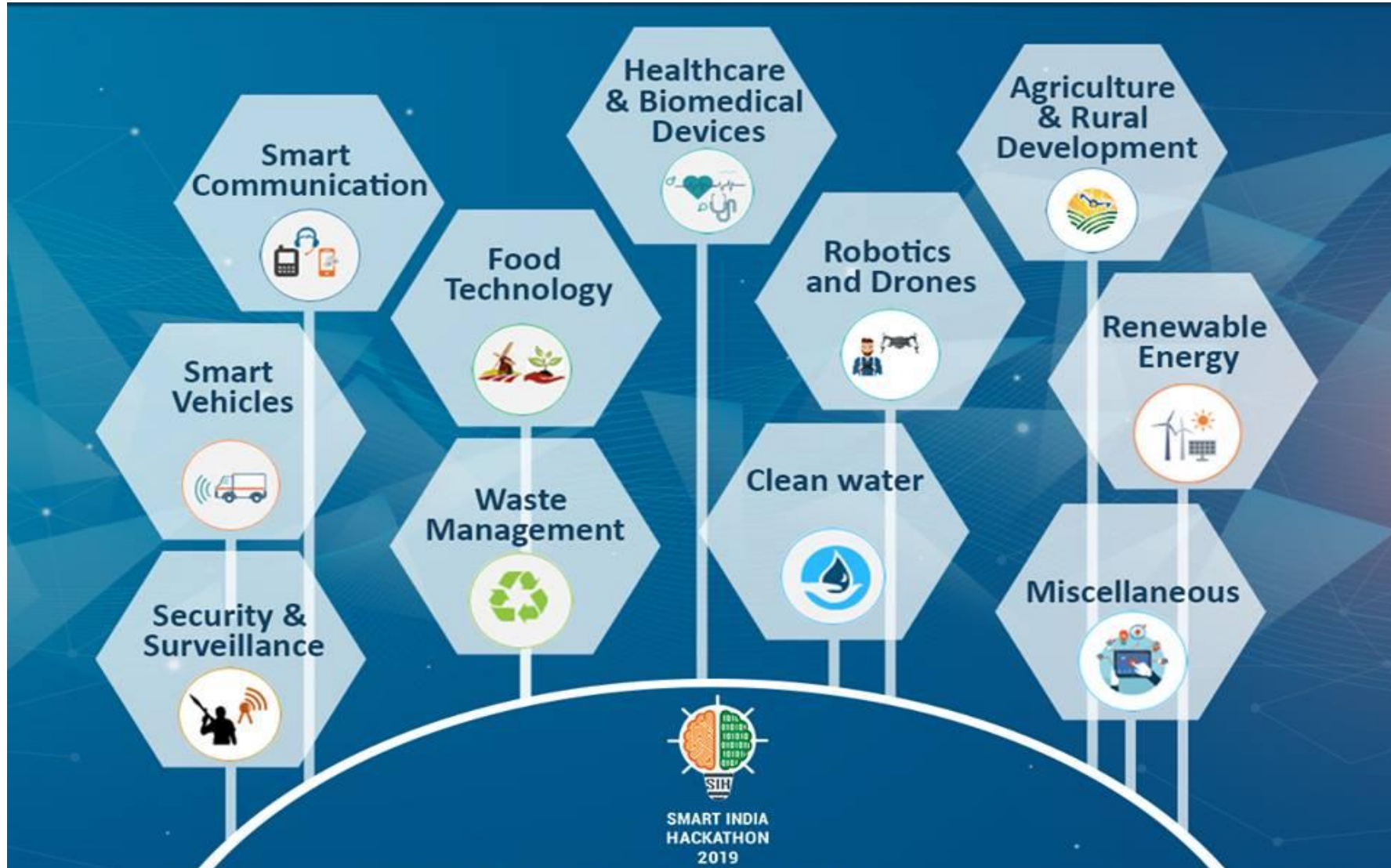
Themes for SIH2019

Process Flow

- Register College SPOC
- Approval by SIH Admin
- Register Student Team
- Approve Student Team Registration by College SPOC
- Student Teams to Submit Solutions
- SPOCs to approve/ disapprove solutions based on completeness
- Only SPOC approved entries will be evaluated by SIH evaluation committee

SPOC Registration, Verifying Teams

Institute Single Point of Contact (SPOC)

SPOC Registration Process

01	02	03	04	05	06
Log on to https://www.sih.gov.in/ & click Register.	**Select** College Faculty SPOC on the pop-up window.	**Download** Consent Letter, fill in the details & upload as attachment.	**Fill the Details** on the page & click on Register.	**Enter the OTP** received on email & mobile and click Verify.	**Get Password** for login on your registered email.
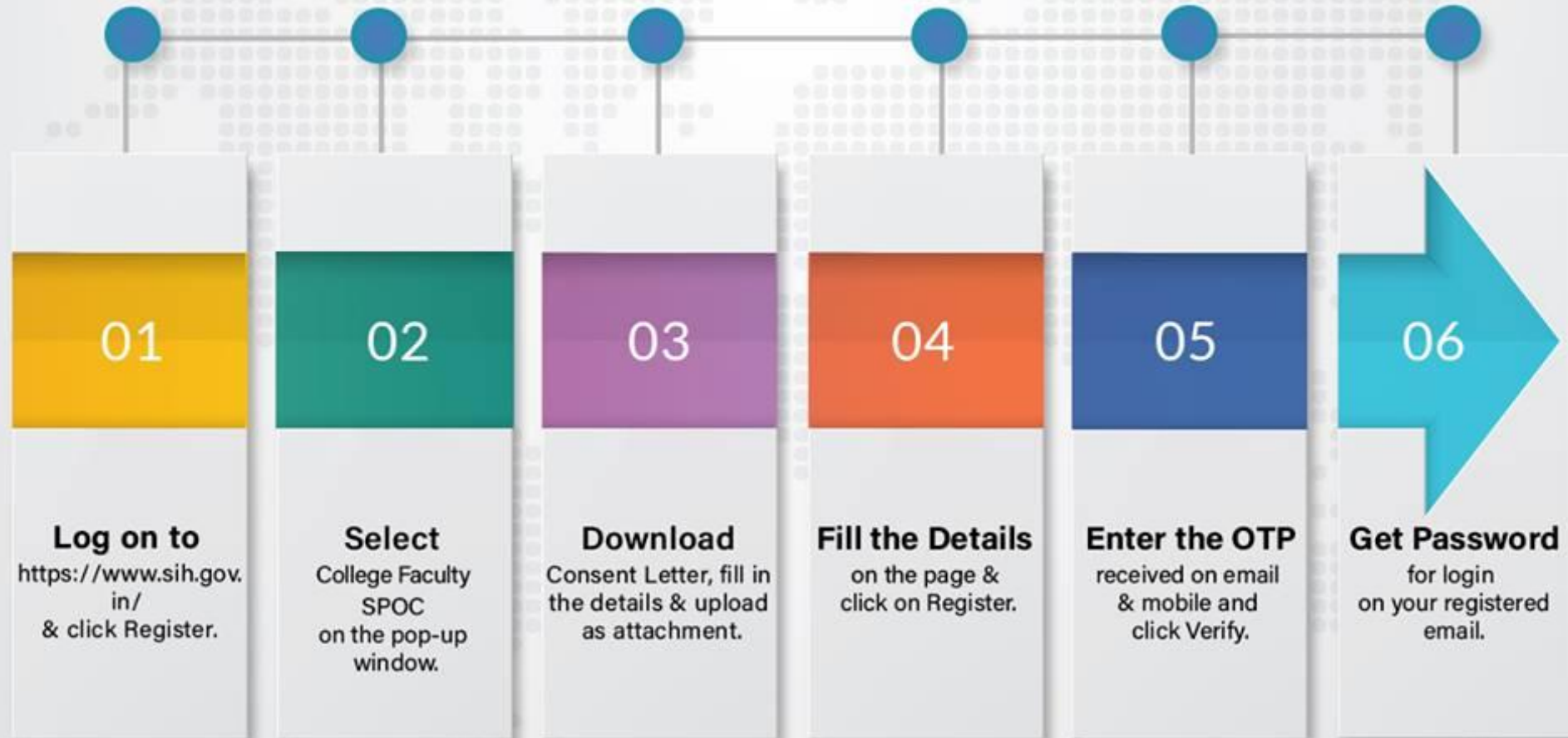
You are required to include AISHE / AICTE Code while registering, which would be provided by your Administration or Principal / Director

Institute Single Point of Contact (SPOC) – Contd.

- Once Steps 1 to 6 are complete, SIH Admin will approve SPOCs.
- Notification of same will be received by SPOC
- SPOC will authenticate respective college student teams
- Once the team is verified, they can submit their ideas against the problem statements.
- Once ideas are submitted, SPOCs are expected to review and approve/ disapprove to move further in the competition

SIH portal www.sih.gov.in

Student Team Registrations, Idea Submission

How to Form a Student Team?

➢ **6 students** per team is **MANDATORY**

➢ *At least **1 FEMALE team member** is mandatory!*

➢ All team members should be from same college but can be from different engineering backgrounds.

➢ **No faculty members in teams**

➢ Most of the members MUST be well versed in programming skills

No restriction on number of teams from each college

No restriction on idea submissions against different problem statements by each team

Colleges must issue an Authority letter to each team!

➢ Colleges MUST issue one College Authority Letter in the prescribed format for every team. The authority letter format can be downloaded from the top left hand side of team registration page

➢ The letter must be issued on college letterhead only, must contain all required team details, and must be duly signed by college principal/ dean/ institute director and bear the college seal

➢ The team name should be unique and MUST NOT contain the name of institute

➢ A team can make multiple idea submissions for different problem statements under the same team name

➢ **Team members CANNOT be associated with multiple teams in parallel!**

< College letter head >

Date: xx/Month/2019

Sub: Smart India Hackathon 2019 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India
Hackathon 2019. AICTE Application No. / UGC / AISHE Code is _____.

Team : < Team Name (s) >

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader				
Team Member				
Team Member				
Team Member				
Team Member				
Team Member				

(Instructions for participating institutes:
**There is no limit on number of submissions per college. Hence, 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 lines in the bracket before saving and uploading the form)*

Sincerely,

< Principal's Name >
Sign/-
The Principal < College Stamp >

Team Registration

➤ Visit www.sih.gov.in and click on **REGISTER** button on top right side.

➢ Select radio button of **Student Team Leader**

➢ Fill all the required fields and upload your College Authority Letter in PDF format
➢ Team name should be unique and system wont accept names already in the database

➢ Insert required fields and click on REGISTER

➤ **The team leader will get a single email with: 1: OTP for email verification, 2: OTP for mobile verification, & 3: Details of Username and Password for login purpose**

- Team Leader can just login on the portal once verifications are successfully completed
- Your team registration will now go to your College SPOC for authentication. Note: **Teams cannot make idea submissions until their College SPOC authenticates their registration**
- Teams will receive notification once SPOC completes authentication process. Notification will be sent via email as well as SMS to the Team Leader
- You are now ready to make an idea submission

Idea Submission by Student Teams

Note: *Idea submission must be made by the Team Leader only!!*

➢ Submission dates should be strictly followed. No exceptions will be made.

➢ Jan 20, 2019 is the last date for idea submission including SPOC approval

➢ Team leaders must login on www.sih.gov.in, select the problem statement of their preference and submit ideas against the same

➢ Now fill out your Idea title and description in the dedicated boxes

➢ Upload your Idea PPT in prescribed 3 slide format. **Don't forget to convert the PPT into PDF format before you upload it.** This is how the PPT should look…

Idea/Approach Details

Ministry/ Organization name:
Problem Statement :
Team Name :
Team Leader Name :   College Code :

Idea / Approach details

Describe your idea / Solution / Prototype here

Describe your Technology stack here

Idea / Approach details

Describe your Use Cases here

Describe your Dependencies / Show stopper here
(crucial data or software or hardware, without which you cannot create the final model/ product)

After you submit ideas

➢ Once submitted, team's idea submissions goes to College SPOCs for verification

➢ The SPOC is expected to verify that the submission is in the expected format and inline with expectations set in the problem statement

➢ Please note, the idea submissions are visible to SIH team for evaluations only when SPOC verifies and approves them!

Selection Criteria

➢ 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.

➢ While selecting between 2 similar ideas, preference will be given to the team with maximum girl members

Announcement of Shortlisted Teams

➢ Keep a track of all announcements and updates on **www.sih.gov.in** as well as the **SIH mobile app**

➢ … and your email boxes / mobile SMSs

IP and Post Hackathon

➢ Intellectual property (IP) of the idea would be shared equally between the team members and the collaborating company/ union ministry proposing the problem statement.

➢ Selected ideas may be further developed so that they can be productized depending on the decision taken by the collaborating company/ ministry on this matter; more efforts beyond the finale will be required from the selected teams.

Swayam Training Schedule

SIH

SMART INDIA HACKATHON 2019

Inviting all technology students to join online trainings on

Designing Digital Solution

- 45+ hours of Training Programs
- Best Industry Experts/ Coaches
- Certificate on successful completion of trainings
- Eligibility: Technology students from all institutions

To join trainings:

www.swayam.gov.in
www.mic.gov.in

Trainings start from
Jan 14, 2019

Trainings end on
Feb 7, 2019

Swayam Training Schedule

Training Topics

- Planning for Effective Project Readiness
- Research Methodology
- Mind Mapping
- Brainstorming for Defining Ideas
- Fundamentals of Design
- Version Control
- Software Architecture
- Best practices of Software testing
- Insights into Patents and IPR

- Data Analytics with Python
- Overview of Machine Learning
- Overview of Node.js
- Overview of Angular
- Overview of React Native
- Overview of Android App Development
- Overview of Arduino
- Overview of Raspberry Pi
- Presentation and communication skills

Download Smart India Hackathon SIH App for seamless communication ANDROID APP ON Google play

➢ The app will be the single point of communication through which you can get the latest notifications, event alerts, trainings announcements, etc.

➢ It is recommended that all participating students, SPOCs, Mentors, etc. should download this App so as not to miss out on any important announcements.

➢ Use the following link to download:
https://play.google.com/store/apps/details?id=com.psl.sihapps

Login using Facebook/ Twitter account credentials
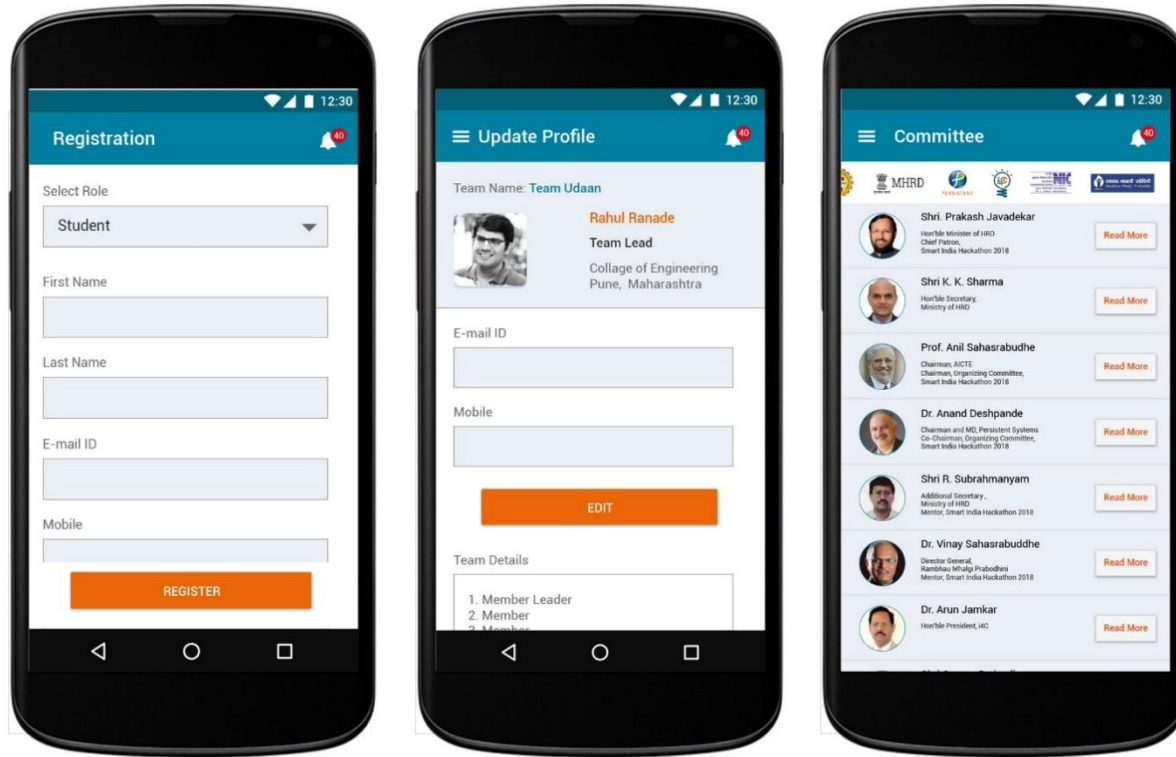
Features

➢ Login using Facebook / twitter accounts

➢ Access and update personal user profile

➢ **Ask Questions and get personalized answers**

➢ **Receive important notifications on events / trainings**

Thank You!

For queries reach out to us on:
sih@aicte-india.org

Find us on social media:
Facebook: www.facebook.com/i4C.India
Twitter: @i4CIndia / @sih2018