

VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD - 500 031
DEPARTMENT OF INFORMATION TECHNOLOGY
Smart India Hackathon Internal Hackathon Report-2020

ABOUT:

SIH is the World's Biggest Hackathon and Open Innovation model, an initiative by Ministry of HRD. Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives. Students across India compete creatively to solve problems of Ministries, Departments and Industries to give solutions Harness. Talented youngsters from all over the country offer out-of-the-box solutions to problems .To Inculcate a culture of product innovation and a mindset of problem solving. For nominating the finalized teams 5 from software edition and 2 from Hardware Edition , Department of IT , Vasavi College of Engineering conducted Internal Hackathon in two phases.



The poster features logos for MHRD, MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA), and AICTE. The main title is "Grand Opportunity For All Technology Students! Submit Ideas for Smart India Hackathon 2020". Below this, it states "PROBLEM STATEMENTS RELEASED! **" and provides the website "www.sih.gov.in" for eligibility and registration.

Eligibility Criteria

- All technology students from AICTE/UGC/JET/NIT/ISER/IIT/ Government approved educational institutions.
- Team of 6 students is mandatory of which at least one should be a female candidate.

Process for SIH 2020

- Problem statements are available on www.sih.gov.in
- The Single Point Of Contact (SPOC) from every institution should register on www.sih.gov.in starting from **December 1, 2019**
- Maximum 7 teams (6 teams for Software edition + 2 teams for Hardware edition) per institution are allowed to participate in SIH2020
- For shortlisting these top 7 teams, every institution is expected to organize internal hackathon before submission of the selected teams on SIH portal.
- Details of internal hackathon (e.g. date, number of student participation, jury member, evaluation process etc.) need to be uploaded on the SIH portal along with few photographs of the internal hackathon.
- Important: All submission should come from the college SPOC only.** Submission of ideas directly from students will not be accepted.
- For more details of the idea submission process, please check: <https://www.sih.gov.in/pdf/ideasubmissionprocessSIH2020.pdf>

WE HAVE SOFTWARE & HARDWARE EDITIONS

Tentative Date 14th & 15th March, 2020 **Tentative Date 6th to 10th July, 2020**

** Problem statements will be released in batches at www.sih.gov.in

SECTORS

- Agriculture & Rural Development
- Clean Water
- Robotics and Drones
- Healthcare & Biomedical devices
- Renewable Energy
- Security & Surveillance
- Smart Communication
- Smart Vehicles
- Waste Management
- Food Processing
- Miscellaneous

* Term & conditions apply

DOWNLOAD Smart India Hackathon SIH App on Google Play

✉ sih@aicte-india.org 🌐 sih.gov.in 📱 @sih2020

Last date for entering selected teams at SIH portal by college SPOCs: 25th January, 2020

Problem statement Organization type:

- State Ministry
- Central Ministry
- Industry Personal

Problem Statement Themes:

- Smart Communication
- Healthcare & Biomedical devices
- Agriculture & Rural Development
- Smart Vehicles
- Food Technology.
- Robotics and Drones
- Waste management
- Clean water
- Renewable Energy
- Security & Surveillance
- Miscellaneous

SIH2020 Internal Hackathon Committee:**• Dr. Raghavendra Kune, Scientist/Engineer-Adrin, ISRO**

- Dr. Raghavendra Kune (called as Dr. Raghav) is Scientist at ADVANCED DATA PROCESSING RESEARCH INSTITUTUE (ADRIN), Indian Space Research Organization (ISRO), Department of Space, Government of India, located at Hyderabad. He is associated with High Performance Computing Division of ADRIN and holds a total of 18 years of experience with ISRO.

• Mr. Amar sharma , CEO Woir Software

Amar Sharma is the CEO and Founder of WOIR Software India Pvt. Ltd. Amar has more than 17 years of industry experience in DevOps & Big Data technologies. His major experience comes from working with industry leaders including Microsoft, Yahoo, Motorola and Synopsys.

• Ms. Shivani , Microsoft (Alumni)

She is a Senior Software Engineering Manager in Microsoft IT India. She also worked as Senior SQL DBA in Lebara Mobile, London UK.

• Mr. Amit Gupta

Experienced Senior Software Engineer (and Data Scientist). Strong engineering professional with a Master's Degree, Business Analytics and Data Science focused in Machine Learning from Indian School of Business. Guest faculty at various engineering colleges (to name a few: IIIT Hyderabad, BITS Hyd, Vasavi, KLU, SRM, PVP Siddhartha, VR Siddhartha... etc.)

SIH2020 Internal Hackathon INAGURATION:



Inaugural Session

Internal Hackathon-1:

This hackathon was conducted by the Department of Information Technology, Vasavi College of Engineering to encourage the students and drive the spirit of Competitive Programming among other Computer enthusiasts and also hardware. All the students were given 8 hours time to develop and demonstrate their Project/Model, and the model developed is evaluated by external jury members. There were two main rounds of evaluation. The 4 jury members split into two groups of two members each and evaluated all the teams works. There were 2 short rounds before lunch and 1 main round and the same after the lunch.

Scheduled date: 18th January 2020 for 8 hours

Registrations: 24 Nominations came from various departments' students for this event. Out which 20 are from software and 4 from Hardware.

- CSE 7 Software
- ECE- 4 Software and 2 Hardware
- EEE- 2 Hardware
- IT - 6 Software and 1 Hardware
- MECH- 2 Hardware



Internal Hackathon-2:

Second Internal Hackathon was conducted on from the final list of Internal Hackathon-1 . For this hackathon there were only 10 software teams and 5 hardware teams. This hackathon happened until 6:30 pm in the evening. Out of which only 5 software teams and 2 hardware teams would be selected for the external hackathon.

Scheduled date: 1st of February 2020

Registrations: 15 finalist students for the Internal Hackathon-1. Out which 10 are from software and 5 from Hardware.

- CSE – 6 Software
- ECE- 2 Software and 2 Hardware
- EEE- 2 Hardware
- IT – 2 Software
- MECH- 1 Hardware

