

Academic Year: 2023-24 (Sem-I)

Name of Event: Internal Hackathon for Smart India Hackathon (SIH-2023)

- 1) Date of Event:** 25/09/2023
- 2) Duration:** 1 day (9:30 AM to 5:00 PM)
- 3) Place of Event:** International Institute of Information Technology (I²IT), Pune

REPORT

Introduction:

Smart India Hackathon is a nationwide initiative launched by Ministry of Education, Govt. of India, Jointly with All India Council for Technical Education (AICTE) along with various other industry partners from the year 2017. It is an open innovation model in which students from all across India compete creatively to solve some of the pressing problems that are faced in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem solving. Various problem statements are provided by Ministries, NGO's, Govt. departments and private industries. From the last year, Smart India Hackathon Junior is also started for school students. Students are encouraged to provide innovative, out-of-the-box but technical solutions to these problems. For the past 5 years, Smart India Hackathon is receiving tremendous response from students and teams from our college were consistent to get shortlisted for the past 5 Grand Finale competitions.

Smart India Hackathon (SIH-2023) encourages students to work on challenges faced within various Ministries, Departments, Industries, PSUs and NGOs to create world class solutions for some of the top organizations including industries in the world, thus helping the private sector hire the best minds from across the nation. This helps in the following ways:

- Harness creativity & expertise of students
- Spark institute-level hackathons
- Build funnel for 'Start Up India' campaign
- Crowdsource solutions for improving governance and quality of life
- Provide opportunity to citizens to provide innovative solutions to India's daunting problems

In earlier hackathons, students were allowed to submit their ideas directly to Smart India hackathon portal and then student teams were shortlisted by Smart India Hackathon team for the Grand Finale competition. However, with this approach only shortlisted teams could get a live experience of the hackathon. Therefore, from the year 2020 onwards it has been decided by Smart India Hackathon that colleges should conduct the Internal hackathon at the initial level to scrutinize the teams.

For this year (for SIH-2023), colleges were asked to shortlist **Thirty** teams (in shortlisted category) and **five** teams (in waitlisted category) with the help of industry experts/jury members. There was no bifurcation with respect to software or hardware category of problem statements.

Idea submission & Team registration:

Students were asked to form teams (6 students per team), discuss their ideas with faculty mentors and then submit their ideas/solutions related to the problem statements which were made available on Smart India Hackathon (SIH-2023) portal. Total of **54 teams** from software category and **11 teams** from hardware category registered for this year's internal hackathon. Total of **390 students** took part in this internal hackathon. Due to pandemic, for almost two years, students did not get enough time to form the teams and discuss their ideas. They did not have any prior experience of doing team work and collectively find solution to given problems.

Following **Sixty five (65)** teams participated in this year's Internal hackathon:-



Geo-Guardians



BitBusters



Legallingo



Ayu Flora



Psychnova



LLM Pioneers



GLIS Titans



WebWizards



HASH IT OUT



Chatbot Alpha



Technocrats



TechFit Innovators



DevDynasty



PIXEL DIAGNOSERS



Dubonair



Media AI Monitors



Hexa Titans



Data Miners



Flying Techs



Byte Force



Tracktem



Billion Dollar Club



ToneTrend Titans



GLIS Guys



ML Wizards



4Bit



Shiksha Sathi



Cyber Sentry



AgroTechies



Advitiya



AutoPlate DetectX



Smoke Squad



Innovative Minds



TrashMasters



MH14 Web Pro



Power Rangers



Tech Ventures



Voyage Virtuosos



Innovision's



Strickers



Code Crusher



Team Z



GIGA-Byte



PhishFinders



Keyboard Speedsters



ReCYCLOTRONS



The Brainiacs



Human Cyborgs



Trailblazer



Pravah



Geek Navi



Hackdoria



Tech Titans



Neutral Catalysts



POYV Innovation



AGRI MITRA



M238



CartoCrafters



Mapathon



FINAL CONCORD



Zeus Conniver



CHANAKYA



Ayur-Pragya



Trident



The Legal Technicians

Evaluation criteria:

Evaluation criteria were as per the guidelines provided on Smart India Hackathon portal and included parameters such as Novelty of idea, Complexity of the problem, Domain Knowledge/clarity, Potential for future work progression, Feasibility and Scale of impact. Total score was 100 points.



Jury Panel - 1



Jury Panel - 2

Details of jury members:

Industry experts with experience of around 10-15 years were invited and the expert names were,

- 1) Mr. Abhijeet Shah – Chief Technology Officer, Pharmarack Technologies Pvt. Ltd. Pune
- 2) Mr. Sachin Waikar – Product Manager, Zensar Technologies Ltd. Pune
- 3) Mr. Vikram Kamthe – Director, Aktana India Pvt. Ltd. Pune
- 4) Mr. Prasen Vinchukar - Consultant- Projects, International Centre for Entrepreneurship and Technology (iCreate), Ahmedabad

Along with the above industry experts, following Heads of Departments of our Institute were also invited as internal evaluators.

- 1) Dr. Jyoti Surve – HoD, Information Technology Department- I²IT, Pune
- 2) Dr. Ajitkumar Shitole – HoD, Computer Engineering Department - I²IT, Pune
- 3) Dr. S.M.M.Naidu – HoD, E& T/C Department- I²IT, Pune

The internal hackathon competition was conducted for one full day from 9:30 AM to 5:00 PM on 25th September 2023. It was very tough for the jury panel members to shortlist the teams as per SIH-2023 requirements as all students had put in their full efforts.



Jury Panel -3



Jury Panel - 4



Discussion of External and Internal Jury members to finalize the scores



Students eagerly waiting for the results to be announced

After evaluating all the teams, **thirty (30)** teams were shortlisted and **five (5)** teams were waitlisted as per requirements of SIH-2023. The details of them are as below:

Shortlisted teams:-

Team No.	Category	Problem Statement (PS) Code	Team Leader	Description of Problem Statement	Name of the team
1	Software	SIH1468	Vishnu Shinde	Landslide prediction and alerting system	Geo-Guardians
2	Software	SIH1492	Sahil Bhilave	Student Innovation	BitBusters
3	Software	SIH1283	Nishita Jethani	Digital assistant for legal awareness	LegalLingo
4	Software	SIH1343	Sahil Padgilwar	Identification of different medicinal plants through image processing	Ayu Flora
10	Software	SIH1312	Atharva Deshmukh	Chatbot for responding to queries pertaining to mining industry	Chatbot Alpha

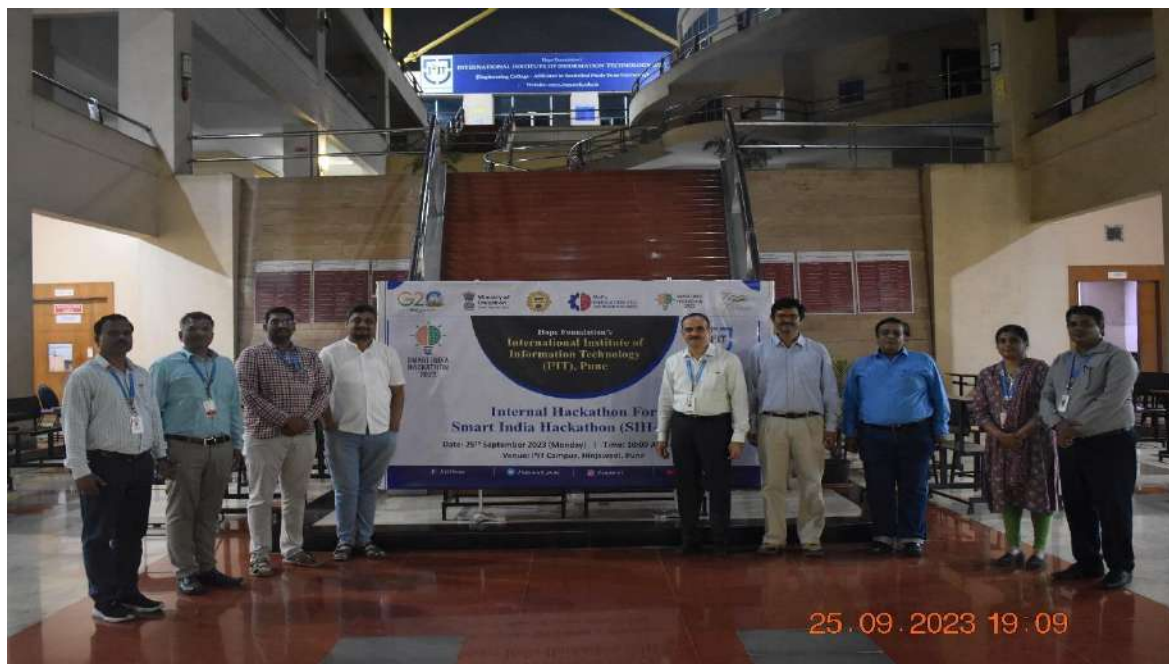
12	Software	SIH1494	Mahesh Gaikwad	Student Innovation (ideas to boost fitness)	TechFit Innovators
14	Software	SIH1344	Anushka Mokashi	AI based tool for preliminary diagnosis	PIXEL DIGNOSERS
15	Software	SIH1386	Sarvesh Hiwarkar	Software for dubbing videos from English to other regional languages	Dubonair
19	Software	SIH1286	Shreya Jadhav	Incentive based design for onboarding legal service providers	Flying Techs
21	Software	SIH1382	Atharva Burkule	Real-time vehicle tracking system	Tracktem
22	Software	SIH1483	Nachiket Pachchhapur	Student Innovation	Billion Dollar Club
24	Software	SIH1318	Hitesh Jain	Analytics based on Govt. Land Information System	GLIS Guys
25	Software	SIH1349	Atharva Nair	Using CCTV network for crowd management	ML Wizards
27	Software	SIH1354	Abhishek Fadake	Mobile education system	Siksha Sathi
33	Software	SIH1492	Ajinkya Nagare	Student Innovation (Healthcare trends)	Innov8ive Minds
35	Software	SIH1467	Pritish Rajpurohit	Enables learner to learn more efficiently	MH14 Web Pro
36	Software	SIH1379	Om Nichal	Vegetation measurement using satellite imagery	Power Rangers
40	Software	SIH1492	Mandira Barve	Student Innovation	Strickers
44	Software	SIH1454	Vaibhav Pawar	Using AI /ML detect phishing domains	PhishFinders
45	Software	SIH1401	Siddesh Kumbhar	App based solution to find diseases in plants / crops	Keyboard Speedsters
47	Software	SIH1357	Prathamsesh Bhokre	Sentiment analysis of social media presence	The Brainiacs
48	Software	SIH1347	Sharvani Kamble	Software to suggest drugs using Ayurvedic repository	Human Cybro

52	SIH1431	Software	Ajay Argulwar	Online personalized tutoring tool	Hackdoria
54	SIH1329	Software	Nachiket Khairnar	360-degree feedback software for Govt. of India	Neutral Catalysts
55	SIH1294	Hardware	Palak Oza	Estimation of Inflow to reservoir and automatic opening of gates	POYV Innovation
56	SIH1293	Hardware	Piyush Bothe	Automatic regulation of valves based on soil moisture	AGRI MITRA
57	SIH1476	Hardware	Shubham Maharaj	Student Innovation	M238
58	SIH1375	Hardware	Ravi Prakash	Geo tagging of plantation in the catchment area of Hydro project	CartoCrafter
61	SIH1477	Hardware	Pratik Halkunde	Student Innovation	Zeus Conniver
62	SIH1479	Hardware	Ashish Dhakne	Student Innovation	CHANAKYA

Waitlisted teams:-

6	SIH1450	Software	Prasad Thorve	Develop large language model based tool for natural language inputs	LLM Pioneers
7	SIH1318	Software	Mayur Patil	Analytics based on Govt. land information system	GLIS Titans
28	SIH1410	Software	Khushal Yadav	Augmented / virtual reality system for live training of troops	Cyber Sentry
63	SIH1479	Hardware	Neha Mane	Student Innovation	Ayur-Pragya
65	SIH1286	Hardware	Bhoomi Hadawale	Incentives for legal service providers	Legal Technicians

After shortlisting the teams, judges gave their valuable suggestions and feedback to all the teams and explained the students as to how they can improve upon and shape their ideas into full project.



External and Internal Jury members

After getting valuable feedback from judges, Prof. Ravindra Joshi, Single Point of Contact (SPOC) of SIH-2023 of I²IT handed over certificate of appreciation to the Judges.



Appreciation certificate to Mr. Vikarm Kamthe, Director, Aktana India Pvt. Ltd.



Appreciation certificate to Mr. Sachin Waikar, Product Manager – Zensar Technologies



Appreciation certificate to Mr. Prasen Vinchurkar, Consultant- Projects, International Centre for Entrepreneurship and Technology (iCreate), Ahmedabad

Grand Finale competition of Smart India Hackathon (SIH-2023):

Final selection of teams at National level shall be done by Smart India Hackathon for the Grand Finale competition. The dates for Grand Finale competition are tentatively in 2nd /3rd week of November 2023.

Overall, all the participating students got hands-on experience of participating in a hackathon and received valuable inputs/guidance from judges. The students can further explore their ideas for their third year and final year projects.

Report prepared by:

Date:

26th September 2023

Prof. Ravindra Joshi

Single Point of Contact (SPOC)

SIH-2023