

Smart India Hackathon 2024

The Smart India Hackathon (SIH) is a flagship national initiative aimed at engaging students in addressing some of the most critical challenges encountered in daily life. Established to cultivate a spirit of innovation and practical problem-solving, SIH serves as a vibrant platform for students to devise and present creative solutions to real-world issues. The hackathon seeks to bridge the gap between theoretical knowledge and its practical application by promoting critical thinking and innovation.

Since its inception, SIH has successfully fostered out-of-the-box thinking, particularly among engineering students across universities. This hackathon invites innovative solutions across various sectors such as Smart Automation, Fitness & Sports, Heritage & Culture, MedTech, Agriculture, and Smart Vehicles. Other focus areas include Transportation, Robotics, Clean & Green Tech, Tourism, Renewable Energy, Blockchain, Smart Education, Disaster Management, and Space Technology. Participants can also explore creative ideas in Toys & Games and tertiary sectors like Hospitality and Entertainment. This helps in discovering innovative, cost-effective ways to solve real-world problems while contributing to nation-building and boosting students' professional profiles. Gaining national recognition and visibility by showcasing their skills to top institutions and industries across India. To Collaborate with like-minded peers to develop effective solutions and be part of the world's largest open innovation movement, working alongside some of the brightest minds in the country.

The successful completion of the first round of SIH can be detailed as follows:

Date: 2nd -6th September 2024

Location: Incubation Centre of The NorthCap University

Preparatory Session:

A doubt-clearing session was held on September 2, 2024, at 3:30 PM in Room 109 for students and faculty members.



The doubt-clearing session took place on September 2nd in Room no 109.

Discussed topics:

Team formation required six members, including at least one female participant. Each team's PowerPoint presentation needed to include the following sections: Technical Approach, Feasibility and Viability, Impact and Benefits, and Research and References.

Participation Involved:

A total of 41 teams participated in the university-level hackathon, addressing problem statements provided by a range of organizations, including AICTE, ISRO, The Ministry of AYUSH, the Ministry of Coal, The Ministry of Education, The Ministry of Law and Justice, The Ministry of Environment, DRDO, and others. The themes covered included Agriculture, FoodTech & Rural Development, Smart Education, Smart Vehicles, Disaster Management, among others. In total, 246 students, including 80 female participants and 19 faculty members, were involved.

The evaluation criteria for the teams included the novelty of the idea, complexity, clarity, adherence to the prescribed format, feasibility, practicability, sustainability, impact scale, user experience, and potential for future development.

The jury panel consisted of the following faculty members:

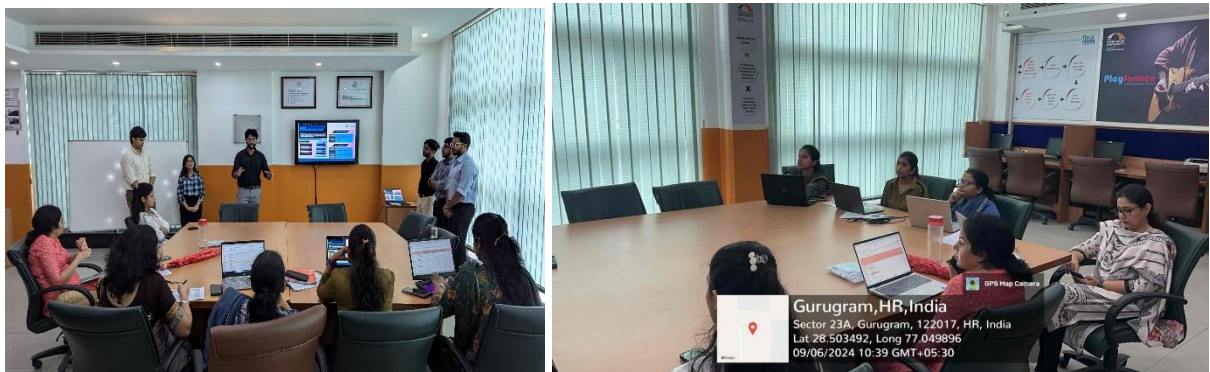
Name of Jury	Designation of Jury	Organization of the Jury	Email id Jury
Dr. Prachi	Associate Head	The NorthCap University	prachi@ncuindia.edu
Dr. Shilpa Mahajan	Associate Professor	The NorthCap University.	shilpa@ncuindia.edu
Dr. Vandana Khanna	Associate professor	The NorthCap University	vandanakhanna@ncuindia.edu
Dr. Yogita Gigras	Associate Professor	The NorthCap University	yogitagigras@ncuindia.edu
Dr. Monika Lamba	Assistant Professor	The NorthCap University	monikalamba@ncuindia.edu
Ms. Sneha K	Assistant Professor	The NorthCap University	snehakandacharam@ncuindia.edu

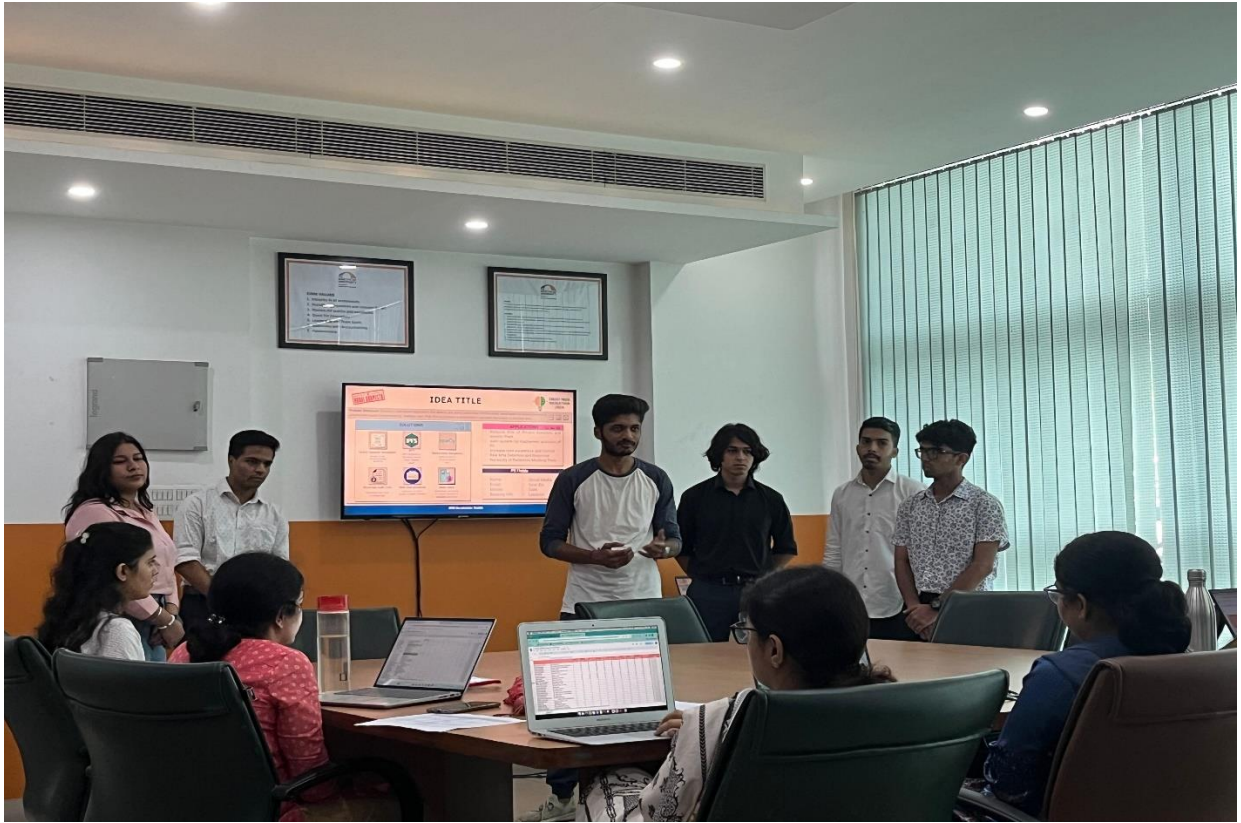
Details of 41 teams are given below:-

Team.No.	Team name	Name of Faculty Mentors	Name of Team Leader	Problem Statement Number
1	Hack Attack	Dr Satnam Singh	Ishika Avasthi	1644
2	Pixel Pioneers	Dr. Yogita Gigras, Dr Monika Lamba	Shreya	1612
3	Groundhog	Dr Poonam Chaudhary, Dr Garima Sharma	Taneesha Kalra	1698
4	Wanderways	Dr Vandana Khanna	Aumansh Sharma	1591
5	Databaes	Dr Vandana Khanna, Pooja Sabarwal	Ayush Kumar	1710
6	Fsociety	Dr. Prachi Ahlawat	Prashant Kumar	1649
7	Regex	Dr Vandana Khana, Pooja Sabarwal	Abhishek Kumar	1629
8	Mobilitychain	Dr Monika Lamba	Madhur	1595
9	Team X	Sumit Kumar, Jyoti Yadav	Kshitij Verma	1630
10	Realshield	Ms Sneha Kandacharam	Himanshi Solanki	1683
11	The Usual Suspects	Dr. Poonam Chaudhary	Shubh Pundir	1668
12	Tech Titans	Kanika Gupta, Dr Prachi	Mansha Bhardwaj	1744
13	Code Crusaders	Kanika Gupta, Dr Prachi	Madhav Maheshwari	1605
14	Nirwachit	Dr Satnam Singh	Mridul Sharma	1586
15	Ctrl Freaks	Dr. Poonam Chaudhary	Latika Mukhi	1632
16	Farm2Table	Dr. Monika Lamba	Vrinda	1637
17	Phantom Troop	Dr. Yogita Gigras, Dr Vandana Khanna	Shivam Saini	1586
18	The Bit Theory	Dr. Yogita Gigras, Dr Vandana Khanna	Pranav Uppal	1700
19	The Matrix	Dr. Yogita Gigras	Priyanshi Tomar	1674
20	Hackers	Dr Vandana Khanna, Pooja Sabharwal	Aryan Jain	1607
21	Comfort Crew	Dr Vandana Khanna, Pooja Sabharwal	Kabir Malik	1626
22	Tech Titans	Dr Prerna Singal, Dr Neeti	Nitin Kumar	1707
23	Vija	Dr Monika Lamba	Tanay Kapoor	1751
24	Chatlens	Dr. Poonam Chaudhary	Mayank Vashisth	1604
25	Xu-Thor	Dr. Anu Tonk, Dr Shaveta	A V S Pushkar	1589
26	The Debuggers	Dr Vandana Khanna, Dr Satnam Singh	Atharv Sokhal	1612
27	Ember	Dr Nishu Sethi, Sumit Kumar	Harshwardhan Jain	1638
28	Hax	Ms Sneha Kandacharam	Mayank Dixit	1637
29	Team Learner	Dr Nishu Sethi	Ayush	1624
30	Sign Sync Solutions	Ms. Sneha Kandacharam	Bhavya Ahuja	1715
31	Nexus Vanguard	Dr. Yogita Gigras, Dr Garima Sharma	Vishal Bansal	1674
32	Cloud9	Dr. Meghna Sharma, Dr Poonam	Aditya	1587

33	Agro-Techies	Dr Prerna Singal, Dr Neeti	Mukul Solanki	1596
34	Code Crew	Ms Sneha Kandacharam	Rudraansh Bhati	1716
35	Quantum Minds	Dr. Monika Lamba	Anjori Sarabhai	1620
36	Technobuzz	Dr.Nidhi Malik, Dr Akanksha Mathur	Anirudh Naswa	1534
37	Grey To Green	Mr. Sumit Kumar, Dr Vaishali Sahu	Tanya Dahiya	1764
38	Team Learners	Dr Nishu Sethi	Ayush	1612
39	Cygnus	Dr. Poonam Chaudhary, Ms Akanksha Kaushik	Raghav Sharma	1586
40	Mangobyte	Dr. Poonam Chaudhary	Suryanshu Ahlawat	1555
41	Generative Junction	Dr. Poonam Chaudhary	Riya Sharma	1652

Some of the Photographs of the Smart India Hackathon 2024 happened on September 6th :







Hemant Arora(Roll No 22CSU270), Riya Sharma(Roll No 22CSU258), Bhuvan Chutani(Roll No 22CSU252), Khushboo Kaushik (Roll No. 23CSU391), Anushka Dhillon (Roll No. 23CSU378), Yanchit Ahuja (Roll No. 23CSU398) and Mr. Vishal Yadav (Roll No. 21CSU309) were the student coordinator for the Internal Smart India Hackathon 2024. Faculty members overall coordinated this event: - Dr. Yogita Gigras, Dr. Monika Lamba, Ms. Sneha Kandacharam and technical staff Mr. Sujit Bannerjee, Mr. Deshraj and Mr. Vijay Budakoti under the guidance of Prof. Rita Chhikara, HoD CSE.