

Internal Hackathon (University Level)

About the Event:

Chitkara University, Himachal Pradesh organized Internal #Hackathon on **09-10 September, 2024** in the context of “**Smart India Hackathon (#SIH2024)**” under the aegis of IIC, Ministry of Education, Govt of India in Collaboration with **Center of Excellence for Sustainability**. This event played a pivotal role in the process of selecting top-tier teams to represent the University at the prestigious competition i.e. Smart India Hackathon 2024. The university's unwavering commitment to fostering the talent propelled the organization of this hackathon, creating an avenue for budding talents to distinguish themselves. It was a wonderful platform for the students who can show their talent in solving the problems of industries, NGOs, Government departments through their skills and technical skills. Total 58 teams (348 students out of these 73 female students) presented their ideas with great enthusiasm. Out of those 58 teams, 13 teams were shortlisted for participation in SIH2024. Major problem statements were related with smart education, biomedical waste management, language translation for deaf & dumb, contract farming, heritage & culture, coal mine carbon management, virtual herbal garden, disaster management etc. The coordinators of this event were Dr. Arun Lal Srivastav (SPOC, SIH2024) and Dr. Shivendu Prashar (Convener, IIC).

CHITKARA
UNIVERSITY



विश्व मंत्रालय
MINISTRY OF
EDUCATION



SMART INDIA
HACKATHON
2024



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



AICTE

CHITKARA
UNIVERSITY



Centre of
Excellence for
Sustainability

INTERNAL HACKATHON

SIH 2024

09th - 10th September, 2024



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)



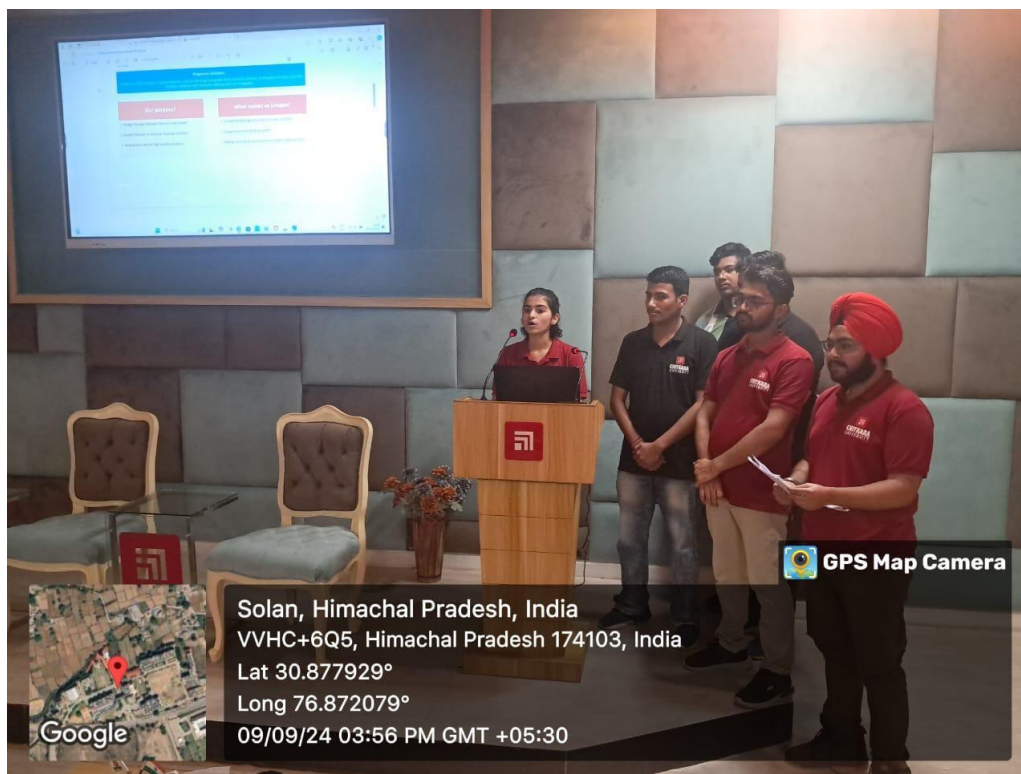
About the Problem Statement:

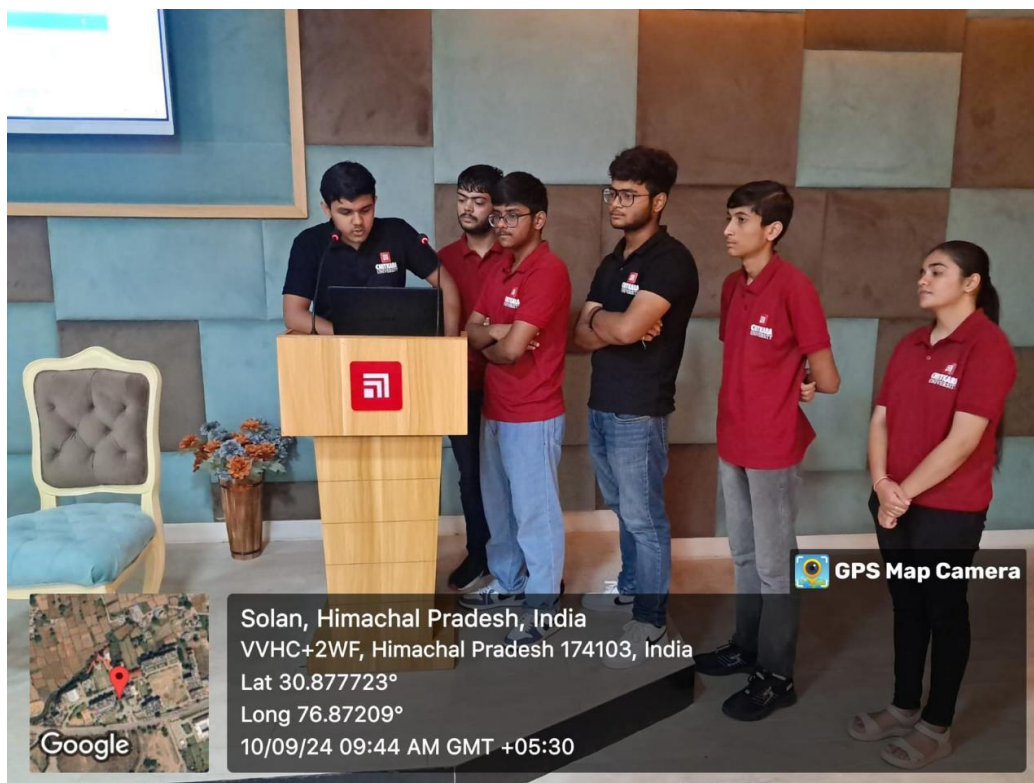
Kindly mention the problem statements selected for the internal hackathon:

1. Assured Contract Farming System for Stable Market Access
2. Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also present an array of opportunities for innovation
3. Create a Virtual Herbal Garden that provides an interactive, educational, and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH (Ayurveda, Yoga & Naturopathy, Unani, Siddha, and Homeopathy).
4. Indian Sign Language to Text/Speech translation
5. Student innovation; Theme Heritage & culture
6. A web application specifically designed for Indian coal mines to quantify their carbon footprint and explore pathways to carbon neutrality
7. A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility.
8. Automated System for Career Advancements of the Faculties of Higher Education
9. Development of an innovative platform that connects candidates with mentors, fostering career and skill growth)
10. Disaster Management- Real-Time Disaster Information Aggregation Software
11. Innovative way to ease the process of collecting biomedical waste during disaster
12. Mobile App for Direct Market Access for Farmers
13. Queuing models in OPDs/ availability of beds/ admission of patients. A hospital-based solution is ideal which can be integrated with city wide module

Event Photos:











Participating Teams:

S.No.	Team Name	Team leader
1	Unique Team	Akash Mandal
2	Byte Busters	Chetan Sharma
3	ByteCoder	Rohan Maiti
4	InsightArcAI	Ansh Sharma
5	Brainiacs	Aryan
6	Prodigies	Vaibhav
7	TECH BRAINS	Sanket kumar
8	Sphinxters	Sneha Baral
9	BroCode	Nikhil Saini
10	CareTech Innovators	Vanshika
11	Gig Gurus	Saket Kumar Singh
12	Sacred Coders	Ankit Raj Mishra
13	SkillSpire	Shreyas Pareek
14	GrowUpNow	Arijit Ghosh
15	NullPointers	Shivam Kumar Dubey
16	Parivartan	Ananya Tewari
17	AgroMinds	Vashu Singh

18	GlobeTrek	Shashank Rajput
19	Alpha	Aditya Antwal
20	Bug Bashers	Eishan
21	Code Crafters	Kartik Kumar
22	Hacktivators	Nishita Matta
23	THE NBOs	Preetinder
24	Data Pioneers	Gurwinder Singh
25	Smart Innovators	Sanchit Saini
26	Innovix	Atul Tiwary
27	RAPTOR	Abhinandan Jain
28	Voltix	Ashwani Kumar
29	Tech Warriors	Manraj Singh
30	Krishi	Parul Chauhan
31	Future Coders	Sejal
32	FARMSOLS	Shivang Gautam
33	EcoCure	Name - Nandini Kaushal
34	Access Denied	Vardhan Singh Chauhan
35	Bionic Brain	Karishma
36	The Bionics	Devanshi Vij
37	Vigence	Saurabh Kumar Singh
38	Dedsec	Mridul
39	HEC	Chaitanya Hari
40	The Tech Warriors	Tushar Gupta
41	Innox	Vishal Yadav
42	Drishti	Chirag Sareen
43	Emosort	Lakshmi Narayan Pandey
44	Dream 11	Sahil Chaudhary
45	Mayalu	chandan Mahato
46	SNOW	Rukshad Ali Sarkar
47	Innov8	Kumar Vaibhav
48	Team Xspark	Rahul
49	Hack Masters	Megha
50	The HexaCores	Yashika Nailwal
51	InnoEngineers	Rakesh Kumar
52	Brainy Bytes	Vansh
53	EcoCure	Nandini Kaushal
54	BETA Version	Suman Mondal
55	Code Busters	Krishdeep Singh
56	Smashers	Sunny singh
57	Warriors	2311981463
58	Code Catalysts	Vedika



Judging Process:

The journey commenced with the administration of a Google Form among the Chitkara University, Himachal Pradesh students. This form was strategically designed to serve as the conduit through which participants could furnish essential details regarding their team composition and the problem statements they aimed to address according to the proposed themes of the internal Hackathon. In the first step the technical knowledge of the students was evaluated based on their problem statement chosen by the students. Afterwards in the second step, the students had given their presentation in front of the judges and given marks on the basis of composition of ppt, technical skills, communication skill as well as handling of the queries. In this step, each team was allocated ten-minutes for presentation and five-minute question-answer. In the third and final step, the average marks were calculated on the basis of the evaluation sheets received from all the judges and final selection of the teams was made.

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Name	Affiliation	Expertise
Dr. Arun Lal Srivastav	Innovation Activity Coordinator IIC, Chitkara University, Himachal Pradesh	Environment Science, Disaster Management

Dr. Shivendu Prashar	Convener (IIC), Chitkara University, Himachal Pradesh	Sensors, Image Processing
Dr. Sandhya Sharma	IPR Coordinator (IIC), Chitkara University, Himachal Pradesh	Digital Image Processing
Dr. Harpreet Kaur	DICE Coordinator, Chitkara University, Himachal Pradesh	Photovoltaic and Nanoelectronics
Ms Ravita Chahar	Chitkara University, Himachal Pradesh	Computer Science
Dr. Ashutosh K. Dubey	Chitkara University, Himachal Pradesh	Computer Science
Ms Aakanksha	Chitkara University, Himachal Pradesh	Nursing
Ms Deeksha	Chitkara University, Himachal Pradesh	Nursing
Dr. Minaxi Dassi	Chitkara University, Himachal Pradesh	Electronics and Communication Engg
Dr. Nagesh Kumar	Chitkara University, Himachal Pradesh	Computer Science
Dr Vidhu Baggan	Chitkara University, Himachal Pradesh	Computer Science
Dr Abhishek	Chitkara University, Himachal Pradesh	Electronics and Communication Engg
Dr. Parul Sood	Chitkara University, Himachal Pradesh	Pharmacy
Dr. Ramamani	Chitkara University, Himachal Pradesh	Computer Science

Nominated Top Teams:

S.No.	Team Name	Team leader	Problem Statement
1	Krishi	Parul Chauhan	Assured Contract Farming System for Stable Market Access
2	CareTech Innovators	Vanshika	Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also

			present an array of opportunities for innovation
3	EcoCure	Nandini Kaushal	Create a Virtual Herbal Garden that provides an interactive, educational, and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH (Ayurveda, Yoga & Naturopathy, Unani, Siddha, and Homeopathy).
4	HEC	Chaitanya Hari	Indian Sing Language to Text/Speech translation
5	THE NBOs	Preetinder	Student innovation; Theme Heritage & culture
6	Tech Warriors	Manraj Singh	A web application specifically designed for Indian coal mines to quantify their carbon footprint and explore pathways to carbon neutrality
7	Drishti	Chirag Sareen	A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility.
8	SNOW	Rukshad Ali Sarkar	Automated System for Career Advancements of the Faculties of Higher Education
9	NullPointers	Shivam Kumar Dubey	Development of an innovative platform that connects candidates with mentors, fostering career and skill growth
10	Parivartan	Ananya Tewari	Disaster Management- Real-Time Disaster Information Aggregation Software
11	Bionic Brain	Karishma	Innovative way to ease the process of collecting biomedical waste during disaster
12	Code Catalysts	Ayam Sharma	Mobile App for Direct Market Access for Farmers
13	ByteCoder	Rohan Maiti	Queuing models in OPDs/ availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with city wide module

Judges Information:

Name	Affiliation	Expertise
Dr. Arun Lal Srivastav	Innovation Activity Coordinator IIC, Chitkara University, Himachal Pradesh	Environment Science, Disaster Management
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Dr. Harpreet Kaur	DICE Coordinator, Chitkara University, Himachal Pradesh	Photovoltaic and Nanoelectronics
Ms Ravita Chahar	Chitkara University, Himachal Pradesh	Computer Science
Dr. Ashutosh K. Dubey	Chitkara University, Himachal Pradesh	Computer Science
Mr Rinku	Chitkara University, Himachal Pradesh	Computer Applications
Ms Aakanksha	Chitkara University, Himachal Pradesh	Nursing
Ms Deeksha	Chitkara University, Himachal Pradesh	Nursing
Dr. Minaxi Dassi	Chitkara University, Himachal Pradesh	Electronics and Communication Engg
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Participation Statistics:

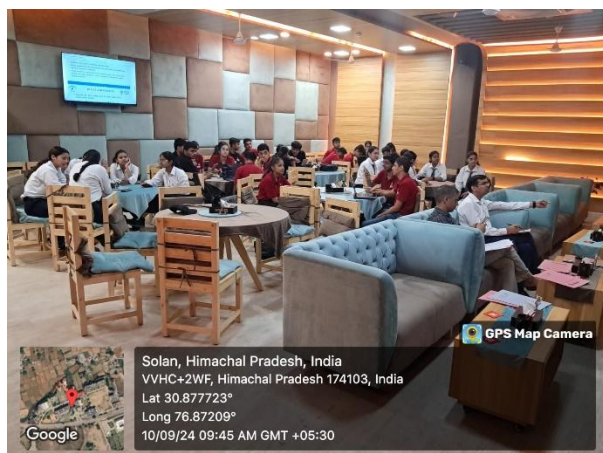
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SDG Covered:

SDG 8- Decent work and Economic growth, SDG 9- Industry, Innovation and Infrastructure