

Internal Hackathon SIH 2024

Event Details



Monday

9th September 2024



**Block 1, UIET, Panjab University,
Sector - 25 , Chandigarh**

Register Here



**Registrations Open
31st August-3rd September**

**Mandatory For
Participating In
internal
Hackathon for
SIH-2024**

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www.sih.gov.in

Organised BY SAE UIET PU

PU Internal Hackathon SIH 2024 Report

Event Overview

The **PU Internal Hackathon SIH 2024**, organized by the Society of Automotive Engineers (SAE) of UIET, Panjab University, in collaboration with PU-IIC, Design Innovation Centre (DIC) and Punjab University Incubation Centre (PUIC); was an electrifying event that showcased the technical creativity and problem-solving skills of students. The event was held on **September 9, 2024**, at Block 1, UIET. It attracted significant participation from across the institute, symbolizing UIET's commitment to nurturing innovation and entrepreneurship among its students. The Internal Hackathon served as a catalyst for participants to kickstart their preparations for the Smart India Hackathon (SIH) 2024.

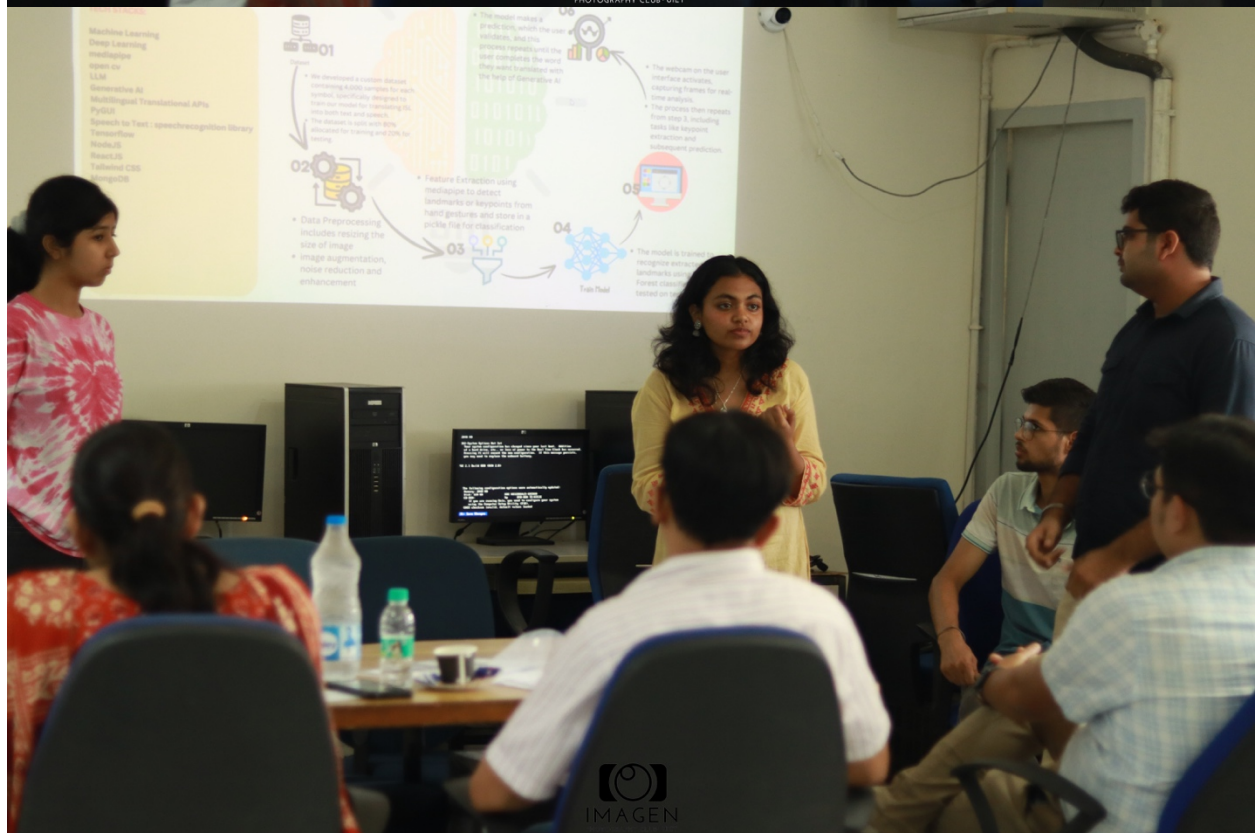
This exhilarating event saw an impressive registration of **60 unique teams** proposing **79 innovative ideas**, contributing to a total attendance of **324 participants**, reflecting a broad spectrum of creative solutions to contemporary challenges. The event began with a traditional **Lamp Lighting Ceremony** and an inspiring speech by **Prof. Sanjeev Puri, Director of UIET, Panjab University**, who commended the students for their passion, creativity, and determination to tackle real-world problems through innovative approaches. Prof. Sanjeev Puri lauded the efforts of all participants, reiterating the pivotal role of innovation in shaping the future and encouraging students to think beyond the conventional to create impactful solutions.

The hackathon featured a distinguished panel of 17 jury members from Panjab University and CSIR-CSIO (Chandigarh), who provided invaluable feedback and suggestions to the participants, ensuring a comprehensive evaluation process. Their insights not only assessed the viability of the ideas but also guided the students in refining their solutions for greater impact. With their diverse expertise, the judges helped enhance the quality of the projects, providing crucial feedback that would benefit the participants in future competitions.

Overall, the **PU Internal Hackathon 2024** was not just a competition but a celebration of ideas, learning, and collaboration. It brought together students, faculty, and industry experts in a shared mission to push the boundaries of innovation. This event highlighted the spirit of creativity and entrepreneurship that UIET, Panjab University, strives to cultivate among its students, paving the way for future successes in competitions like the **Smart India Hackathon (SIH)** and beyond.











Nominated Top Teams

Problem Statement	Statement PS	Unique Name of Team	Theme	Team Leader	Category
Create an Annual Report Portal for institute where all the departmental reports can be integrated and customized	SIH 1641	429_too_many_request	Smart Education	Aryan Gupta	Software
SAR Image Colorization for Comprehensive Insight using Deep Learning Model (h)	SIH 1733	Advitya	Space Technology	Nitin Pandey	Software
Drone-based Intelligent ET sensing system and irrigation water use accounting system for irrigation commands.	SIH 1571	AgroVision	Robotics and Drones	Vinay Kumar	Hardware
Development of a Geolocation-Based Attendance Tracking Mobile Application.	SIH 1707	Alpha One	Miscellaneous	Gaurav Patel	Software
Designing and development of a pressure transducer based equipment with a well cap for measurement of heads in autoflow wells	SIH 1570	Arcane Sentinels	Miscellaneous	Prashant Singh	Hardware
Development of a non-electrical device for tracking the movement of the sun for movement of the solar panels, increasing their efficiency.	SIH 1545	Arcane Sentinels	Renewable / Sustainable Energy	Prashant Singh	Hardware
Downscaling of Satellite based air quality map using AI/ML	SIH 1734	Bhai ki team	Clean & Green Technology	Ira Bhatia	Software
Identification of algorithm from the given dataset using AI/ML Techniques	SIH 1681	Bhai ki Team	Blockchain & Cybersecurity	Ira Bhatia	Software
Develop a robust communication device designed for ambulances to transmit a unique signal to nearby traffic lights and vehicles.	SIH 1535	Binary Brains	Smart Vehicles	Ketan Jain	Hardware
Real-Time Disaster Information Aggregation Software	SIH 1687	ByteForce Innovators	Disaster Management	Harmandeep Singh	Software
Student Innovation	SIH 1592	Code Crusaders	Clean & Green Technology	Malay Kumar Jha	Software
Let's Learn Constitution in a Simpler Manner-Citizen Perspective	SIH 1703	Code Mongers	Smart Education	Mohit Davar	Software
chat bot based ticketing system	SIH 1648	Codeholics	Travel & Tourism	Harshit	Software

Sustainable Fertilizer Usage Optimizer for Higher Yield	SIH 1639	Cyber Wizards	Agriculture, Food Tech & Rural Development	Ashish Mahajan	Software
Boosting Fitness Activities and Assist in Keeping Fit	SIH 1599	Cyber Wizards	Fitness & Sports	Ashish Mahajan	Software
Developing writing pen and writing pad for children with Specific learning disability.	SIH 1579	DoodleDore	Smart Education	Pallavi	Hardware
Video call intercom based on analog/IP system with vibration sensor	SIH 1578	EasyComm	Miscellaneous	Moksh Garg	Hardware
Developing an AI based interactive Chatbot or virtual assistant for the Department of Justice's Website	SIH 1700	EduInnovators	Smart Automation	MOHD ZAID HABIB	Software
AI-Driven Crop Disease Prediction and Management System	SIH 1638	Error 404	Agriculture, Food Tech & Rural Development	Ritik Kumar	Software
Student Innovation	SIH 1599	Explorers	Fitness & Sports	Prithul Joshi	Software
Developing an AI based interactive Chatbot or virtual assistant for the Department of Justice's Website.	SIH 1700	Geeky Coders	Smart Automation	Anjanjot Kaur	Software
Disaster Management includes idea related to risk mitigation and planning before, after or duration of disaster	SIH 1587	GeoAware	Disaster Management	Saransh Saxena	Software
Development of AI/ML based solution for detection of face-swap based deep fake videos.	SIH 1683	Hack Surgeons	Miscellaneous	Abhishek Yadav	Software
Implementation of the Alumni Association platform for the University/Institute.	SIH 1609	Hacktivators	Smart Education	Nandini kukreja	Software
Let's Learn Constitution in a Simpler Manner-Citizen Perspective	SIH 1703	Hexaminds	Smart Education	Snehil Sharma	Software
Smart Education, a Concept that Describes learning in digital age.it enables learner to learn more effectively, efficiently, flexibly and comfortably.	SIH 1586	Idea Igniters	Smart Education	Pranav Kumar	Software

Queuing models in OPDs/ availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with city wide module	SIH 1620	InnoVerse	MedTech / BioTech / HealthTech	Saanvie Dadwal	Software
A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility.	SIH 1642	KodeCrafts	MedTech / BioTech / HealthTech	Kartik	Software
Development of a Geolocation-Based Attendance Tracking Mobile Application (SIH1707)	SIH 1707	KodeCrafts	Miscellaneous	Kartik	Software
Development of AI-ML based models for predicting prices of agri -horticultural commodities such as pulses and vegetable (onion, potato)	SIH 1647	KrishiMoolyaDarpan (कृषि मूल्य दर्पण)	Agriculture, Food Tech & Rural Development	Surya Pratap Singh	Software
Sustainable Fertilizer Usage Optimizer for Higher Yield	SIH 1639	Matrix	Agriculture, Food Tech & Rural Development	Ayushi Mishra	Software
Transformo Docs Application: Empowering Machine-Readable Document Management System.	SIH 1669	Matrix	Smart Automation	Ayushi Mishra	Software
Indian Sing Language to Text/Speech translation	SIH 1716	Mavericks	Miscellaneous	Paras Ahuja	Software
Drug Inventory and supply chain Tracking system	SIH 1627	MegaMinds	MedTech / BioTech / HealthTech	Shourya Agarwal	Software
Develop Effective Career Counselling and Guidance Programs in Schools to Enhance Student Career Choices	SIH 1666	Nerd Herd	Smart Education	Jeevanjot	Software
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).	SIH 1555	Not_so_devs	MedTech / BioTech / HealthTech	Aru Sharma	Software
Development of AI/ML based solution for detection of face-swap based deep fake videos	SIH 1683	Not_so_devs	Miscellaneous	Aru Sharma	Software

Data Download Duplication Alert System (DDAS)	SIH 1659	Orion Forge	Miscellaneous	Sukritya Athwal	Software
Smart Competency Diagnostic and Candidate Profile Score Calculator	SIH 1628	Profile Innovators	Smart Education	Parneet Kaur	Software
Implementation of the Alumni Association platform for the University/Institute.	SIH 1609	Quantum Crew	Smart Education	Bhavesh singh	Software
AI based identification of Financial (Banking & Insurance) needs based on demography and economic / farming Cycle	SIH 1760	QWERTY	Miscellaneous	Divyam Goyal	Software
A web application specifically designed for Indian coal mines to quantify their carbon footprint and explore pathways to carbon neutrality.	SIH 1644	QWERTY	Renewable / Sustainable Energy	Divyam Goyal	Software
student innovation	SIH 1591	SYNSIX	Travel & Tourism	Neeraj Kumar Verma	Software
Queuing models in OPDs/ availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with city wide module	SIH 1620	TEAM BIOTECH	MedTech / BioTech / HealthTech	Milit Arya	Software
Creating an application to identify the presence of government issued personally identifiable information (PII) embedded in documents and data, inadvertently or otherwise.	SIH 1668	TEAM RACCOON	Blockchain & Cybersecurity	OM SANTOSH SUNERI	Software
Improving open source software security using Fuzzing	SIH 1746	TEAM RACCOON	Blockchain & Cybersecurity	OM SANTOSH SUNERI	Software
Wearable Sensor	SIH 1580	TechMinds	MedTech / BioTech / HealthTech	Navya Agarwal	Hardware
A Software Application - Ground Water Level Predictor	SIH 1696	TechTitans	Smart Automation	Anavi Gupta	Software
Dashboard for Swachhta and LiFE.	SIH 1751	THE BYTE BEATLES	Clean & Green Technology	Rohit Chachra	Software

Creating an application to identify the presence of government issued personally identifiable information (PII) embedded in documents and data, inadvertently or otherwise.	SIH 1668	The Codewalkers	Blockchain & Cybersecurity	Vishal Kumar	Software
Online Chatbot based ticketing system	SIH 1648	The MAD STArS	Travel & Tourism	Monaal	Software
A comprehensive AYUSH Startup Registration Portal to streamline the registration process for startups in the AYUSH sector, enhancing efficiency, transparency, and accessibility.	SIH 1642	The MAD STArS	MedTech / BioTech / HealthTech	Monaal	Software
Learning path dashboard for enhancing skills	SIH 1615	The UnCoders	Smart Education	Balbina	Software
Development of a Geolocation-Based Attendance Tracking Mobile Application	SIH 1707	Zsers	Miscellaneous	Krrish Verma	Software
WAITLISTED TEAMS					
Smart Irrigation System for Precision Farming	SIH 1554	Wired Wizards	Agriculture, Food Tech & Rural Development	Gauransh Pundir	Hardware
Early warning system for glacier lake outburst floods	SIH 1650	Pixel	Disaster Management	Paravi	Software
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	SIH 1555	SixMinds	MedTech / BioTech / HealthTech	Nancy Gupta	Software
Platform for Inter-departmental cooperation (at city level) in Indian Cities, for sharing data & resources, unified phasing, planning and implementation of projects.	SIH 1724	Linksters	Miscellaneous	Pratishtha	Software
Mentor Connect	SIH 1630	AlgorhythmicS	Smart Education	Juhi Pant	Software

News Articles

<https://www.cityairnews.com/content/internal-smart-india-hackathon-held-at-pu>

Social Media Promotion



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SIH 2024**

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9th September 2024

**Block 1, UIET, Panjab University,
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31st August 2024 - 3rd September 2024
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For more information contact:
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sae.uiet.pu
UIET, Panjab University.

sae.uiet.pu Are you ready for the UIET's Internal Hackathon SIH 2024 organized by SAE UIET PU? 🚀

🌟 Your Gateway to Innovation! 🌟

📅 9th September 2024
📍 Block 1, UIET, Panjab University

🏆 Chance to Represent UIET in SIH 2024!

📄 Register by 3rd Sept 2024, 5 pm

👤 Join WhatsApp Group :
<https://chat.whatsapp.com/GYpxpTq0c7BHMcfCElr1v>
👤 Register Now : <https://forms.gle/4r3KcJmihBeu1kCH6>

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#sih2024 #smartindiahackathon2024

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