माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

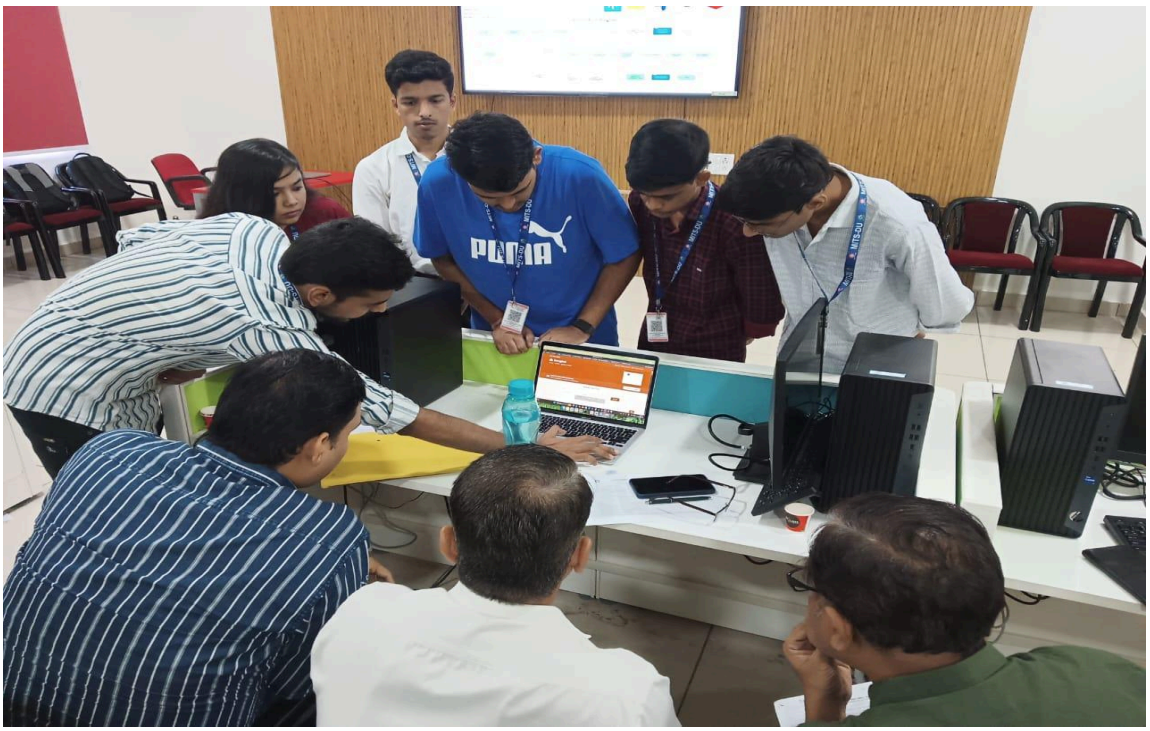
THE REPORT

ON

INTERNAL ROUND SMART INDIA HACKATHON 2025

ABOUT

The **Smart India Hackathon (SIH)** is a nationwide initiative by the Government of India to promote innovation and problem-solving among students. It provides a platform to develop creative solutions for real-world challenges faced by industries and government bodies. Launched in 2017, it is now one of the world's largest hackathons with both software and hardware editions. SIH encourages teamwork, critical thinking, and application of emerging technologies. Students gain exposure, mentorship, and opportunities to showcase their talent on a national level. By fostering innovation, SIH contributes to building a self-reliant and technologically advanced India.



The **Smart India Internal Hackathon 2025** was held on **13th September 2024** at the **Madhav Institute of Science and Technology-DU (MITS), Gwalior**, hosted in the **Knowledge Centre for AI Building**. This high-energy, structured contest witnessed the enthusiastic participation of **279 teams**, reflecting the institute's culture of innovation and excellence. The hackathon served as a vibrant platform where students showcased their creativity, teamwork, and problem-solving skills while working on innovative solutions to pressing real-world challenges.

The hackathon provided a platform for students to pitch and develop solutions to real-world challenges across diverse domains such as **healthcare, tourism safety, agriculture, waste management, cyber security**, and more.

This hackathon started with creative energy at 10 am and ended with satisfaction at 6 pm allowing participants an entire day of exciting work. It was a very highly engaging and creative work day for participants of the hackathon. Participants showcased **public issues** challenging them to come up with creative solutions that can be implemented.

The problems were therefore great accessibility nursing and many focused on a range of solutions comprising hardware integrated with software focused with respect to the problems. **All these strategies were outlined to ensure that the participants' solutions are objectively appraised with senior members of the faculty evaluating the phrases of the project in terms of the realism and workability of the solution in practice and invention. Their professionalism allowed for all the entries to be reviewed with regards to the standards achieved and the level of the student innovations.**

Jury & Evaluation

To ensure a comprehensive and fair evaluation process, the hackathon was conducted across **10 venue sessions**, with **a jury of 3 members assigned to each venue**, making a total of **30 jury members**. The jury comprised distinguished experts from academia and industry, who not only evaluated the projects but also provided valuable insights and guidance to the participants. Their constructive feedback played a vital role in shaping many **unique and visionary startup ideas**, motivating students to think beyond the competition and explore entrepreneurial pathways.

The jury's role was not just about scoring projects but about engaging with the students' creative ideas, providing constructive feedback. They assessed each project based on criteria like creativity, practicality, impact, and how well it addressed the given problem.

Their thoughtful evaluations and encouraging feedback were important in making the hackathon a success, helping to spotlight the best solutions and acknowledge the hard work of all the participants. The jury's involvement ensured that the event was not only a competition but also a meaningful learning experience for everyone involved.

Team & Participants

This high-energy, structured contest **witnessed the participation of 279 teams, with each team comprising six members, bringing the total participation to an impressive 1674 students.** The students displayed great enthusiasm, dedication, and a spirit of innovation throughout the event. The hackathon provided a platform for students to pitch and develop solutions to real-world challenges across diverse domains such as **smart community health monitoring for rural areas, tourist safety monitoring using geo-fencing and blockchain IDs, image-based breed recognition of cattle and buffaloes, urban waste segregation systems, cyber security, and many more.** Their participation was a testament to the vibrant and collaborative spirit of the college.

Many students also **laid the foundation for unique and visionary startup ideas** in emerging fields such as **navigation, tracking, and beyond**, reflecting their entrepreneurial mindset and forward-looking approach.

Judging Process

To ensure fair & transparent judgement, **a rubric was prepared** including marks awarded for aspects including, **technical knowledge relating the theme & problem statement, implementation, presentation skills, practical usability & contribution to society.**

The **45 + 5 teams were shortlisted** based on the marks allotted by the jury panel based on the aforesaid criteria. As the Smart India Internal Hackathon 2025 wrapped up, the atmosphere was buzzing with anticipation. The moment everyone had been waiting for arrived: the announcement of the winning teams. Out of the **279 teams that participated, 50 teams [45 finalist + 5 waitlisted]** were celebrated for their exceptional creativity and innovative solutions.

These standout teams truly shined, showcasing their skills and ingenuity in tackling a range of challenges. Whether **addressing issues in agriculture, healthcare, education, or technology,** their projects were marked by a blend of originality and practical impact. Their presentations, which they had prepared with great care and enthusiasm, were praised by jury members for their clarity and innovation. Each team's unique approach and dedication were evident, making their success all the more rewarding. The recognition of these 50 teams was not just about celebrating their achievements but also about highlighting the incredible talent and spirit within the college. Their success was a testament to their **teamwork, creativity, and determination,** and it wrapped up the day on a high note.

Overall, the winners' achievements were a perfect reflection of the vibrant and collaborative energy of the hackathon. Their hard work and passion left a lasting

impression and underscored the remarkable potential of the students at Madhav Institute of Science and Technology.

Top 50 teams as follows:

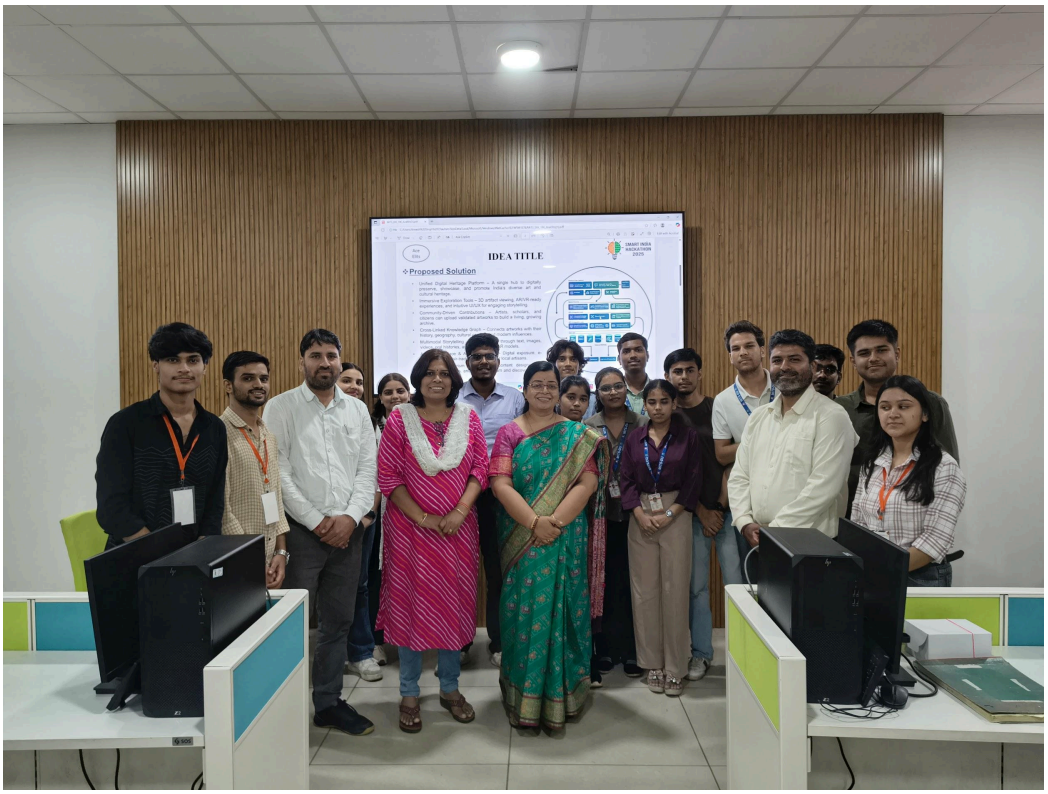
Internal SIH 2025 List of Shortlisted Teams			
S no.	**Team ID**	**Team Name**	**Problem Statements Title**
1	MITS/SIH/182	CRX	Blockchain-Based Blue Carbon Registry and MRV System
2	MITS/SIH/195	Alpha Clan 1	Development of AI-powered FRA Atlas and WebGIS-based Decision Support System (DSS) for Integrated Monitoring of Forest Rights Act (FRA) Implementation. (States to be concentrated: Madhya Pradesh, Tripura , Odisha, Telangan
3	MITS/SIH/165	Morning Stars	One-Stop Personalized Career & Education Advisor
4	MITS/SIH/099	Hack in Time	Crowdsourced Civic Issue Reporting and Resolution System
5	MITS/SIH/220	Team Neura	Student Innovation
6	MITS/SIH/189	One Peace	AI-Based Farmer Query Support and Advisory System
7	MITS/SIH/239	Team Varad	Disaster Response Drone for Remote Areas
8	MITS/SIH/039	Ninja Turtle	Maximizing Section throughput using AI-Powered precise Train Traffic Control
9	MITS/SIH/134	Aureus	Student Innovation : Smart Travel Curation - Helping Tourists Discover Hidden Gems
10	MITS/SIH/088	TechSangam	Implementation of Smart Agriculture for Efficient Cultivation in Hilly Regions
11	MITS/SIH/042	Team ResQ	Student Innovation
12	MITS/SIH/109	TrueVote	Student Innovation: Blockchain based voting system
13	MITS/SIH/225	Agritech Innovator	Smart Crop Advisory System for Small and Marginal Farmers
14	MITS/SIH/216	Alphonic	Develop a blockchain-based system for botanical traceability of Ayurvedic herbs, including geo-tagging from the point of collection (farmers/wild collectors) to the final Ayurvedic formulation label.
15	MITS/SIH/001	Snowden	Develop a blockchain-based system for botanical traceability of Ayurvedic herbs, including geo-tagging from the point of collection (farmers/wild collectors) to the final Ayurvedic formulation label.
16	MITS/SIH/152	Vivere	Development of a Digital Mental Health and Psychological Support System for Students in Higher Education
17	MITS/SIH/143	ArogyaBridge	Digital Platform for Centralized Alumni Data Management and Engagement
18	MITS/SIH/003	Calypso	FloatChat - AI-Powered Conversational Interface for ARGO Ocean Data Discovery and Visualization
19	MITS/SIH/043	Alphinity	Centralised Digital Platform for Comprehensive student activity record in HEIs
20	MITS/SIH/108	Reverse Engineers	Waste Segregation Monitoring System for Urban Local Bodies
21	MITS/SIH/194	Bytex	Digitize and Showcase Monasteries of Sikkim for Tourism and Cultural Preservation

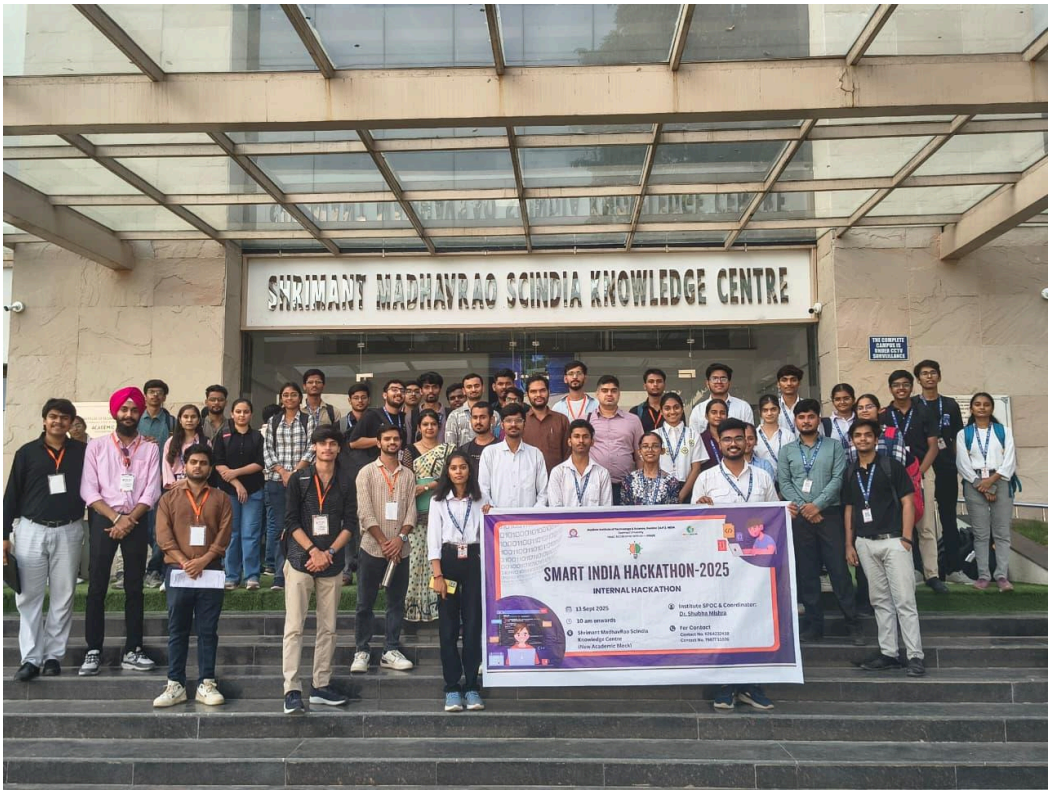
22	MITS/SIH/093	Absolute	Smart Tourist Safety Monitoring & Incident Response System using Al, Geo-Fencing, and Blockchain-based Digital ID
23	MITS/SIH/155	ReunionX	Digital Platform for Centralized Alumni Data Management and Engagement
24	MITS/SIH/061	GEN C	Waste Segregation Monitoring System for Urban Local Bodies
25	MITS/SIH/016	Chaos Coders	Al-Based Crop Recommendation for Farmers
26	MITS/SIH/121	MeemCoders	Digital Platform for Centralized Alumni Data Management and Engagement
27	MITS/SIH/218	SpotIT	Crowdsourced Civic Issue Reporting and Resolution System
28	MITS/SIH/139	Bootables	Secure Data Wiping for Trustworthy IT Asset Recycling
29	MITS/SIH/191	Agrinerve	Implementation of Smart Agriculture for Efficient Cultivation in Hilly Regions
30	MITS/SIH/033	Namo Sphere	Telemedicine Access for Rural Healthcare in Nabha
31	MITS/SIH/158	Undead Shades	Development of a Digital Mental Health and Psychological Support System for Students in Higher Education
32	MITS/SIH/257	Team MacHack	Real life solutions for waste management
33	MITS/SIH/101	CodeCrypt	Student Innovation
34	MITS/SIH/242	Team Vritam	Student Innovation
35	MITS/SIH/235	VisionX	Student Innovation: Design and Development of "NetaCheck" – A Civic-Tech Web Platform for Comparing Politicians, Tracking Their Past Performance, Ratings, and Providing Citizens with AI-Based Political Awareness Tools.
36	MITS/SIH/211	Acid Warehouse	Al-Powered Mobile Platform for Democratizing Sports Talent Assessment
37	MITS/SIH/160	HackHub	Development of a Smart Digital Platform to Promote Eco & Cultural Tourism in Jharkhand
38	MITS/SIH/103	CipherSentry	Student Innovation
39	MITS/SIH/050	Instinct Coders	Crowdsourced Civic Issue Reporting and Resolution System
40	MITS/SIH/075	Agrinova	Improved Onion storage technology for enhancing shelf life of onions
41	MITS/SIH/154	Terminatrix	Al-Powered Mobile Platform for Democratizing Sports Talent Assessment
42	MITS/SIH/188	Team Evolutio	FloatChat - AI-Powered Conversational Interface for ARGO Ocean Data Discovery and Visualization
43	MITS/SIH/086	Mavericks	Automated Attendance System for Rural Schools
44	MITS/SIH/047	Drishti	Student Innovation
45	MITS/SIH/008	CodeStorm	Development of a Digital Mental Health and Psychological Support System for Students in Higher Education

46	MITS/SIH/241	TechShield	Smart Tourist Safety Monitoring & Incident Response System using AI, Geo-Fencing, and Blockchain-based Digital ID
47	MITS/SIH/053	Falcos-X	Smart Traffic Management System for Urban Congestion
48	MITS/SIH/198	BXCD	Identifying Taxonomy and Assessing Biodiversity from eDNA Datasets
49	MITS/SIH/020	The Byte Bandit	AI-Driven Public Health Chatbot for Disease Awareness
50	MITS/SIH/017	Syntax Error	Smart Tourist Safety Monitoring & Incident Response System using AI, Geo-Fencing, and Blockchain-based Digital ID

Successful Glimpses of the Event

The Happy and successful event was a result of collaborative and mutual coordination among the volunteers including First year, Second year and Third year students respectively. The big thanks goes to our Vice Chancellor **Dr. R. K. Pandit,** Dean **Dr. Manjaree Pandit,** HOD (Center for AI) **Dr. Rajni Ranjan Singh** and faculty members **SPOC Coordinator Dr. Shubha Mishra** whose throughout perseverance, leading skills and regular guidance worked as binding force between us, especially in such a big event where coordinating such a big number of participating students is not an easy task.


IDEA TITLE
Proposed Solution


SHRIMANT MADHAVRAO SCINDIA KNOWLEDGE CENTRE
SMART INDIA HACKATHON-2025
INTERNAL HACKATHON

Event photographs Link

Glimpses SIH'25