



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



SMART INDIA HACKATHON - 2024

INTERNAL HACKATHON



📍 Knowledge centre
🕒 7 SEPT
9:30AM
Dr. Shubha Mishra - 9713439657,
Dr. Shweta Chauhan - 9805466314
(Assistant Professor, Centre for Artificial Intelligence)

Register Here



Visit official site - <https://www.sih.gov.in/>

REPORT ON SMART INDIA INTERNAL HACKATHON 2024

The **Smart India Internal Hackathon 2024** was held in the premises of the **Madhav Institute of Science and Technology**, Gwalior and took place on **7th September**, hosted at newly inaugurated Knowledge Centre Building. This high-octane structured contest witnessed **79 teams** comprising eager participants working pitching on various areas such as innovation, agriculture, healthcare, minerals, education, etc. among other problem statements.

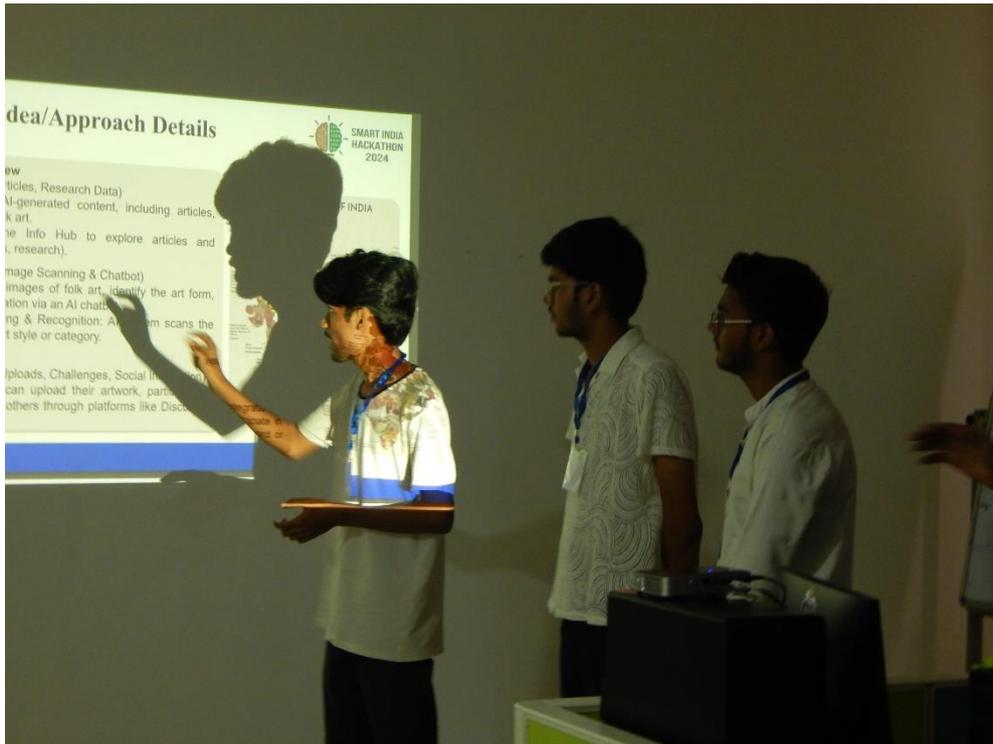
This hackathon started at 9 am and ended at 6 pm allowing participants an entire day of exciting work. It was a very high engaging and creative work day for participants of the hackathon. Participants showcased **public issues** challenging them to come up with solutions that can be implemented. The 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 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.

The happy coordination of this event was possible with much contribution from third and fourth year students who were very active in terms of coordinating the administration and management issues at the hackathon. Faculty members **SPOC Coordinator Dr. Shubha Mishra** was key from the support to overall running of the events.





JURY DETAILS

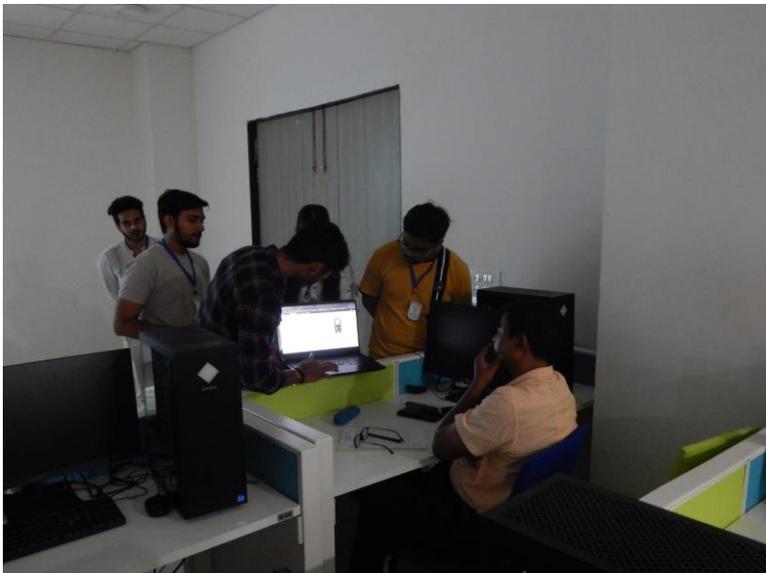
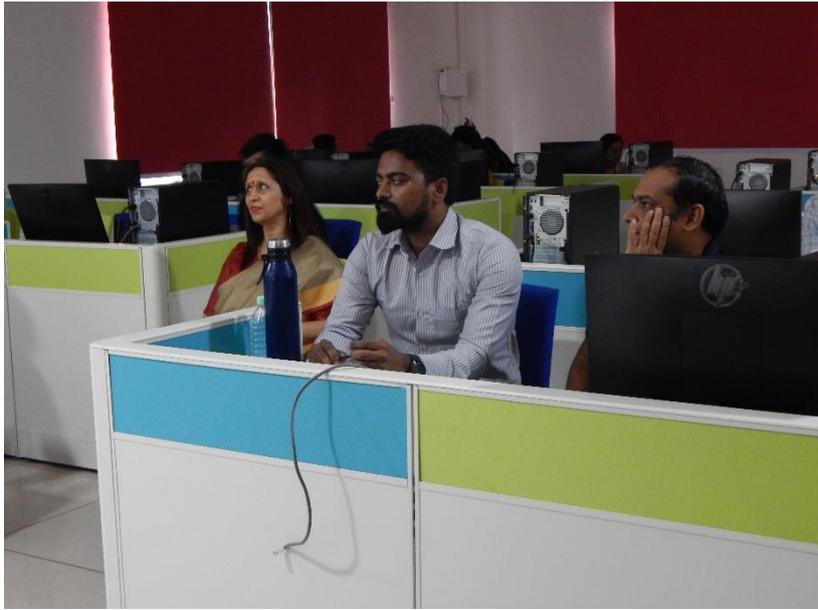
The Smart India Internal Hackathon 2024 featured a panel of esteemed jury who brought a wealth of experience and insight to the event. The jury played a crucial role in evaluating the innovative projects presented by the participants.

Leading the panel was **Dr. M.K.Gaur**, a highly respected faculty member known for their expertise in **(Mechanical Engineering)**. Their leadership and deep understanding of the field set the tone for the day, guiding the evaluation process with both rigor and fairness.

Joining him was **Dr. Praveen Bansal (Centre for Internet of Things)**, **Dr. R.S.Jadon (CSE)**, **Dr. Arun Kumar (Centre for Artificial Intelligence)** & **Dr. Devesh Kumar Lal (Computer Science & Design)** each bringing their unique perspectives. Their diverse backgrounds enriched the judging process, allowing them to appreciate the full method of solutions, from cutting-edge software to innovative hardware.

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.



PARTICIPATING TEAMS & PROBLEM STATEMENTS

The Smart India Internal Hackathon 2024 was brought to life by an energetic and diverse group of 79 teams, comprising enthusiastic first, second, and third-year students from every branch of Madhav Institute of Science and Technology, Gwalior. Their participation was a testament to the vibrant and collaborative spirit of the college.

These students, full of fresh ideas and boundless energy, came together to tackle a range of challenges. **Problem Statements** including **agriculture and healthcare, innovation, minerals, education, fitness & sports, smart automation, renewable/sustainable energy, heritage & culture, tourism, transportation & logistics, disaster management** etc. each team embraced their unique problem statements with creativity and determination.

Throughout the day, these teams were hard at work, brainstorming and developing their solutions. They presented their ideas through engaging **PowerPoint presentations**, showcasing not only their technical solutions but also their ability to communicate their thoughts effectively and passionately.

Participation Statistics – around 474 participants presented out of which 127 female & 347 male participants were there.

The enthusiasm and hard work of these teams were truly inspiring, making the hackathon a memorable and dynamic event. Their contributions highlighted the incredible talent within the college and underscored the potential of these young innovators.



Here is the list of Team's participated in hackathon:

Team Name	SIH-24 theme name	Problem Statement Organization Name (https://www.sih.gov.in/sih2024PS)	Team Leader Name
Sarkari Developer	MISCELLANEOUS	AICTE	Rishabh Uke
Code crusher	MEDTECH/BIOTECH/HEALTHTECH	Ministry of AYUSH	Rashi Sahu
F1 United	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Keshav Kumar
Innov8rs	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Atul Singh Dhakad
The Matrix	RENEWABLE/ SUSTAINABLE ENERGY	Ministry of coal	Piyush Paliya
Tech Wizards	MISCELLANEOUS	Ministry of Housing and Urban Affairs	Chanchal Doijod
The IoTians	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Kishan Shrivastava
Code crew	MEDTECH/BIOTECH/HEALTHTECH	Ministry of AYUSH	Bhavesh Sharma
Team Syntax	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of agriculture and farmer welfare	Saksham Dubey
Tech Tonics	FITNESS & SPORTS	AICTE-MIC-Student Innovation	Harsh Sahu
SANJEEVNI	MEDTECH/BIOTECH/HEALTHTECH	Ministry of AYUSH	Saksham Sahu
Tech Titans	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Khushi Sikarwar
IOT NATION	SMART AUTOMATION	Ministry of Education's Innovation Cell (MIC)	Indraveer Singh Ghuraiya
AI Visioners	SMART AUTOMATION	Department of Science and Technology	Asmi Saxena
CodeLex	SMART EDUCATION	Ministry of Law and Justice	Yash Vishwakarma
Vatavaran	RENEWABLE/ SUSTAINABLE ENERGY	Ministry of Coal	Rudransh Shrivastava
Ctrl_Freaks	SMART EDUCATION	Government of Gujarat	Shivashish Tiwari
Gryffindor	MISCELLANEOUS	AICTE, MIC-Student Innovation	Pooja Baghel
Carbon Compounds	RENEWABLE/ SUSTAINABLE ENERGY	Ministry of Coal	Bhumi Goyal
AI Nexus	SMART AUTOMATION	Ministry of Railway	Vimal Singh Bhadauriya
Antarika	MEDTECH/BIOTECH/HEALTHTECH	Ministry of Social Justice and Empowerment	Divya Pandey
Elite Devs	SMART EDUCATION	Government of Gujarat	Rohan Malakar
COSMIC-VI	HERITAGE & CULTURE	AICTE MIC-Student Innovation	Tanishq Panwar

Athelite	FITNESS & SPORTS	AICTE, MIC-Student Innovation	Poojya Gupta
Nirvana	RENEWABLE/ SUSTAINABLE ENERGY	Ministry of Coal	Aman Gubrele
Debug Dynamos	TRANSPORTATION & LOGISTICS	Ministry of Railway	Vanshika Rajput
Algoknights	MISCELLANEOUS	Ministry of Defence	Aniket Yadav
Cosmic Coders	MISCELLANEOUS	Indian Space Research Organization (ISRO)	Anshika Pandey
Perceptrons	MISCELLANEOUS	National Technical Research Organization (NTRO)	Tijil Dubey
Abhyodaya	TOURISM	AICTE, MIC-Student Innovation	Abhay Pratap Singh Jadon
Rail-Raptors	TRANSPORTATION & LOGISTICS	Ministry of Railway	Kuldeep Bhargav
The debuggers	DISASTER MANAGEMENT	AICTE, MIC-Student Innovation	Sumit Sahu
Kavach	MISCELLANEOUS	Bharat Electronics Limited (BEL)	Jay Jain
MINIX	TRANSPORTATION & LOGISTICS	AICTE, MIC-Student Innovation	Abhishek Tiwari
Cipher Nomads	SMART AUTOMATION	Government of NCT of Delhi	Avneesh Singh
Drifters	CLEAN & GREEN TECHNOLOGY	National Technical Research Organisation (NTRO)	Bhavya Pratap Singh Tomar
K.A.I	SMART EDUCATION	Government of Punjab	Aditya Kumar Singh
Algorithm Architects	MISCELLANEOUS	AICTE, MIC-Student Innovation	Mohit Pal
Team WHITE	BLOCKCHAIN & CYBER SECURITY	Narcotics Control Bureau (NCB)	Keshav Bandil
The Visionaries	SMART AUTOMATION	Government of NCT of Delhi	Raunak Mandil
Syntax.6	SMART EDUCATION	Government of NCT of Delhi	Shresth Bharti
Hexagon	TOURISM	AICTE, MIC-Student Innovation	Dev Agarwal
Chalchitra	HERITAGE & CULTURE	AICTE, MIC-Student Innovation	Mayank Bairagi
Team Anonymous	TRANSPORTATION & LOGISTICS	Ministry of Railway	Vaibhav Sharma
Maverick	TOYS	AICTE, MIC-Student Innovation	Aman Gupta
Jan Swasthya Mitra Mandal	MEDTECH/BIOTECH/HEALTHTECH	Government of NCT of Delhi	Amul Agarwal
Adwaita	MEDTECH/BIOTECH/HEALTHTECH	Ministry of AYUSH	Moksh Dandotiya
Adwaita	MISCELLANEOUS	Ministry of Housing and Urban Affairs	Yuvraj Tiwari
TechByte	MISCELLANEOUS	National Technical Research Organisation (NTRO)	Shruti Mishra
The Debuggers	SMART EDUCATION	Government of Punjab	Jay Pratap Singh Bhadoria

Code Crafters	MISCELLANEOUS	GAIL, Ministry of Petroleum and Natural Gas	Krishna Sharma
Team Kshitij	RENEWABLE/ SUSTAINABLE ENERGY	Department of Science and Technology	Anand Dangi
NEXUS	MEDTECH/BIOTECH/HEALTHTECH	Ministry of AYUSH	Rishita Mukherjee
Tech Titans	MEDTECH/BIOTECH/HEALTHTECH	Government of NCT of Delhi	Rakhi Yadav
HackTrix	BLOCKCHAIN & CYBER SECURITY	National Technical Research Organisation (NTRO)	Harshit Varshney
Code Monkeys	MEDTECH/BIOTECH/HEALTHTECH	Government of NCT of Delhi	Mukul Jangid
The Amigos	SMART AUTOMATION	Ministry of Railway	Shubham Das
Culturverse	HERITAGE & CULTURE	AICTE, MIC-Student Innovation	Ocean Agarwal
Fantastic Four	SMART AUTOMATION	Indian Space Research Organization (ISRO)	Snehee Gour
Team Alphonics	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Yug Shrivastava
Team Kshitij : exploring the horizon	SMART AUTOMATION	AICTE MIC- Student innovation	Anand Dangi
Innov8ors	TRANSPORTATION & LOGISTICS	Ministry of Communication	Jalaj Sharma
Authentica	MISCELLANEOUS	National Technical Research Organisation (NTRO)	Priyanka Choudhary
Sachin Tripathi	AGRICULTURE/FOOD TECH & RURAL DEVELOPMENT	Ministry of Agriculture and Farmers Welfare	Sachin Tripathi
Team AM 51	CLEAN & GREEN TECHNOLOGY	AICTE , MIC - Student Innovation	Aman Bhadoria
Helix	MEDTECH/BIOTECH/HEALTHTECH	Government of NCT of Delhi	Priyankshu Sheet
The Engineers	SMART AUTOMATION	Ministry of Housing and Urban Affairs	Tanmay Sawankar
THE OPTAIC	MEDTECH/BIOTECH/HEALTHTECH	Ministry of Social Justice and Empowerment	Tanmay Sawankar
Verdict Ventures	SMART AUTOMATION	Ministry of Law and Justice	Karan Chhabda
Code Monks	SMART AUTOMATION	Ministry of Coal	Samidha Patel
Survey Corps	SMART AUTOMATION	Indian Space Research Organization (ISRO)	Rishabh Sikarwar
Anonymous	BLOCKCHAIN & CYBER SECURITY	Narcotics Control Bureau (NCB)	Piyush Dubey
Digital Dreamers	CLEAN & GREEN TECHNOLOGY	Ministry of Jal Shakti	Vanshita Rawat
Yuvraj Singh	TOURISM	Ministry of Culture	Yuvraj Singh
BXCD	TOURISM	Ministry of Culture	Ankit Kumar
Inferno	SMART AUTOMATION	Government of NCT of Delhi	Harshit Sharma

Indecisive	SMART EDUCATION	Government of NCT of Delhi	Mo Abrar Qureshi
Tag Titans	SMART VEHICLES	AICTE, MIC-Student Innovation	Tejendra Agrawal
RG Shock	SMART AUTOMATION	Department of Science and Technology	Reetesh Gour



Judging Process – To ensure fair & transparent judgement, a rubric was prepared including marks awarded for aspects including innovation, 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 2024 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 79 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 member 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 are as follow :

Team Name	Team Leader Name	Rank
Sarkari Developer	Rishabh Uke	1
IOT NATION	Indraveer Singh Ghuraiya	2
Cosmic Coders	Anshika Pandey	3
Team Kshitij	Anand Dangi	4
The Visionaries	Raunak Mandil	5
Indecisive	Mo Abrar Qureshi	6
Perceptrons	Tijil Dubey	7
Drifters	Bhavya Pratap Singh Tomar	8
Team Alphonics	Yug Shrivastava	9
Cipher Nomads	Avneesh Singh	10
Culturverse	Ocean Agarwal	11
Authentica	Priyanka Choudhary	12
Verdict Ventures	Karan Chhabda	13
Algoknights	Aniket Yadav	14
Team WHITE	Keshav Bandil	15
THE OPTAIC	Tanmay Sawankar	16
Helix	Priyankshu Sheet	17
Team Anonymous	Vaibhav Sharma	18
Inferno	Harshit Sharma	19
Vatavaran	Rudransh Shrivastava	20
Jan Swasthya Mitra Mandal	Amul Agarwal	21
Antarika	Divya Pandey	22
COSMIC-VI	Tanishq Panwar	23

Maverick	Aman Gupta	24
Code crew	Bhavesh Sharma	25
MINIX	Abhishek Tiwari	26
The IoTians	Kishan Shrivastava	27
AI Nexus	Vimal Singh Bhadauriya	28
Abhyodaya	Abhay Pratap Singh Jadon	29
HackTrix	Harshit Varshney	30
The Amigos	Shubham Das	31
The Engineers	Tanmay Sawankar	32
Debug Dynamos	Vanshika Rajput	33
Algorithm Architects	Mohit Pal	34
Innov8rs	Atul Singh Dhakad	35
Tech Wizards	Chanchal Dojjod	36
Nirvana	Aman Gubrele	37
Ctrl_Freaks	Shivashish Tiwari	38
Rail-Raptors	Kuldeep Bhargav	39
Team Syntax	Saksham Dubey	40
AI Visionors	Asmi Saxena	41
Kavach	Jay Jain	42
The Matrix	Piyush Paliya	43
Code crusher	Rashi Sahu	44
SANJEEVNI	Saksham Sahu	45
Code Crafters	Krishna Sharma	46
Tech Tonics	Harsh Sahu	47
K.A.I	Aditya Kumar Singh	48
Team AM 51	Aman Bhadoria	49
Gryffindor	Pooja Baghel	50

Facebook Link for the event organized and promoted on social media

[https://www.facebook.com/media/set/?vanity=shubha.mishra.18&set=a.8416957318350235&_cft__\[0\]=AZWKfLr15RMp1TUAKnvexpfzbAPFoegBVyAyIbASiJBqe1CgGzURYjFjVbIemJ41KK9VmCtLzVQh1HuC2jbZ89zGsfDFONnZkx9eS1326GKK7A&_tn_=-R](https://www.facebook.com/media/set/?vanity=shubha.mishra.18&set=a.8416957318350235&_cft__[0]=AZWKfLr15RMp1TUAKnvexpfzbAPFoegBVyAyIbASiJBqe1CgGzURYjFjVbIemJ41KK9VmCtLzVQh1HuC2jbZ89zGsfDFONnZkx9eS1326GKK7A&_tn_=-R)

Event photographs Link

https://drive.google.com/drive/folders/1dBpZZ4czCbwWfWyg6Z62-f84aNNEn9et?usp=drive_link