

S. No	Title of Event	Organizer/ Collaborative	Duration /dates	Objectives targeting gaps in curriculum	PO's and PSO's addressed	Beneficiary/ no of participants	Funded/ Non Funded
6.	Internal Hackathon for Smart India Hackathon 2023	Makers Lab, ITM Center for Innovation, IIC, ITM Gwalior	15 Sep 2023 to 27 Sep 2023	To fulfill the gap of weak understanding of students towards Innovation through Smart India Hackathon	PO6	UG and PG students with faculty members/ 120	Non-Funded

- ❖ **Title of the Program:** Internal Hackathon for Smart India Hackathon 2023
- ❖ **Name of the Organizing Department:** Makers Lab, ITM Center for Innovation, IIC, ITM Gwalior
- ❖ **Venue:** Seminar Hall, Shannon Block, Institute of Technology and Management, Gwalior
- ❖ **Name, Designation Program Coordinator:** Mr. Rajkumar Rajoria, Coordinator, Makers Lab, ITM Center for Innovation, ITM Gwalior
- ❖ **Brief description of activity:** -

About the Event:

- The hackathon was held from 15 Sep 2023 to 27 Sep 2023 in two phases.
- The first phase involved offering faculty mentorship for shaping up of the proposal for the selected problem statements by the participating team. The problem statements were related to various domains such as healthcare, education, agriculture, environment, social welfare, etc.
- The second phase involved evaluation of the solution proposed by the participating team by a jury panel on 27 Sep 2023. The jury panel consisted of experts from academia and industry who assessed the teams based on their innovation, feasibility, impact, presentation, and teamwork.
- The jury panel evaluated a total of 17 teams and selected 14 teams for nomination and 3 teams in waiting on the 27 Sep 2023. After extension of deadline, on the 3 Oct 2023 three waitlisted teams plus one new team were re-appear with their revised proposal in front of jury members and got success to nominate. So finally 18 nominated teams will be eligible to participate in the National Hackathon of Smart India Hackathon – 2023.
- The hackathon was a successful event that showcased the creativity, talent, and problem-solving skills of the students and faculty of ITM Gwalior. It also provided an opportunity for the participants to learn

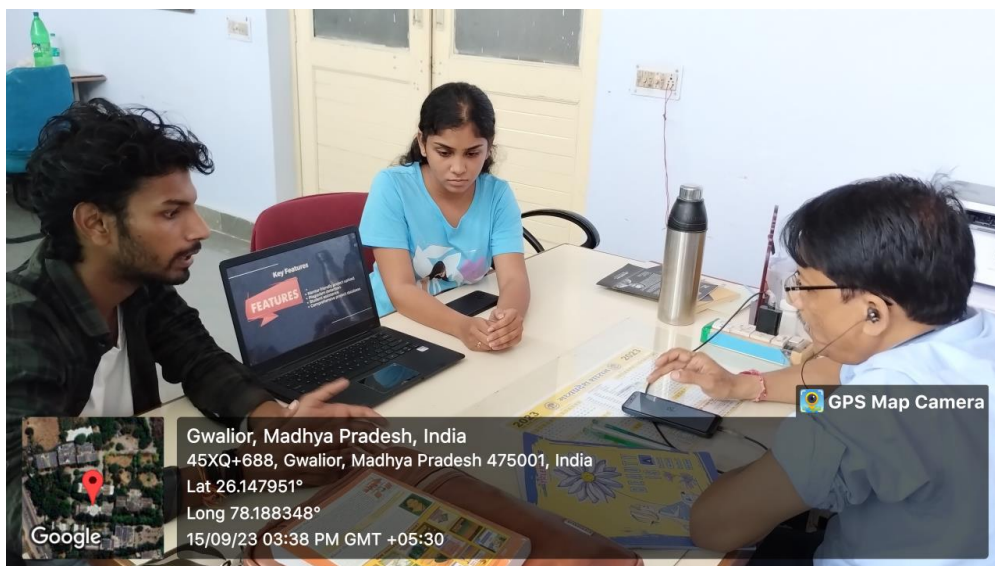
from each other and from the mentors and judges. The hackathon also fostered a culture of collaboration, innovation, and entrepreneurship among the ITM community.

• **Problem Statements Attended:**

S.No.	PS ID	S/w H/W	PS Title	Participating Team
1.	SIH1281	Software	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	TEAM INNOVATORS
2.	SIH1282	Software	Tech-Driven Solutions for Under-trial Prisoners in India	SIERRA
3.	SIH1293	Hardware	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	DYNOTECH
4.	SIH1300	Hardware	Automated Public Lighting	ASSENDERS
5.	SIH1322	Software	Domestic Waste Management	Byte Bharat
6.	SIH1340	Software	Application for Assessment of Quality of Textbook/ Reference Books/ E- Book	SIX STRING CODERS
7.	SIH1343	Software	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	F-SOCIETY
8.	SIH1348	Software	Natural language translation engine for announcements and information dissemination at stations	INQUISITIVE SOLVERS
9.	SIH1355	Software	Natural language translation engine for announcements and information dissemination at stations	INNOVATIVE INITIATORS
10.	SIH1369	Software	Online integrated platform for projects taken up by the students of various universities/colleges	Team AMBIVERTS
11.	SIH1383	Software	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	INNOVISION
12.	SIH1397	Software	Development of business models for collection and utilization of single use plastics and various other industrial wastes	LAST MINUTE MASTERS
13.	SIH1412	Software	Data Compression for backbone network	CYBER CHEF
14.	SIH1450	Software	Develop and deploy a Large Language Model (LLM) based tool for generating human like responses to natural language inputs for network not connected over internet	THE CHOSEN ONES
15.	SIH1464	Software	Design and Developed a personalized online meeting system for AICTE	INNOVISION
16.	SIH1479	Hardware	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.	ECEEG
17.	SIH1486	Software	A solution/idea that can boost the current situation of the tourism industries including hotels, travel and others.	CIR-KIT SQUAD
18.	SIH1491	Software	Developing solutions, keeping in mind the need to enhance the primary sector of India - Agriculture and to manage and process our agriculture produce	SMARTFARM INNOVATORS

19.	SIH1498	Software	Develop a Proctored exam tool for shortlisting the candidates for the national and international level hackathons.	F-SOCIETY
20.	SIH1515	Software	Smart and Effective real-time Management of street parking	TEAM AMBITION

- **Event Photos: Phase-1 (15 September 2023):** Pre Screening of Proposals By Dr. Manoj Mishra, DSW and Mr. Nitin Dixit, Asso. DSW Institute of Technology & Management, Gwalior.





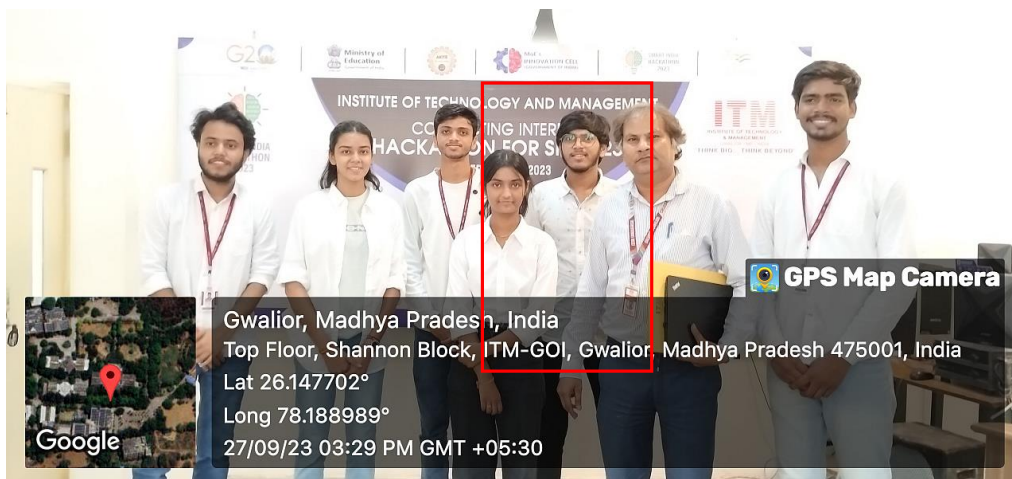
- **Event Photos: Phase-2 (27 September 2023):** Internal Hackathon for SIH-2023



Anchor: Ms. Surbhi Tiwari, B.Tech. 2nd Semester (IT)



Convener: Prof. Manoj K. Bandil, President, IIC, Institute of Technology & Management, Gwalior (M.P.)



Coordinator: Prof. Rajkumar Rajoria, Associate Professor, Institute of Technology & Management, Gwalior (M.P.)



- Participating Teams:



1. Team: Team AMBIVERTS



2. Team: F-SOCIETY



3. Team: DYNOTECH





4. Team: INNOVISION



5. Team: INQUISITIVE SOLVERS



6. Team: ASSENDERS



7. Team: LAST MINUTE MASTERS



8. Team: THE CHOSEN ONES





9. Team: BYTE BHARAT



10. Team: ECEEG



11. Team: Team AMBITION



12. Team: CIR-KIT SQUAD



13. Team: SIX STRING CODERS



14. Team: CYBER CHEF



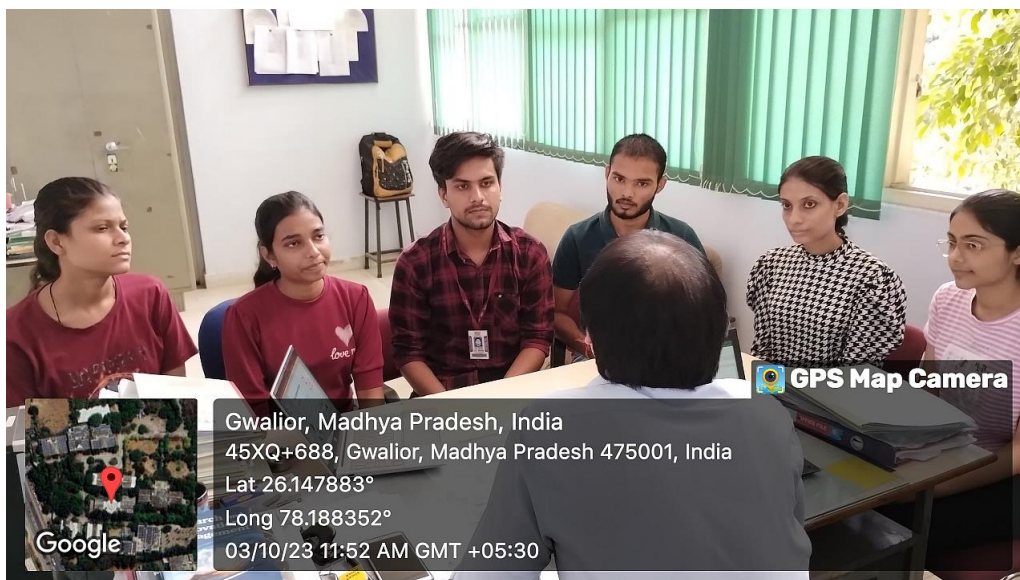
15. Team: INNOVATIVE INITIATORS



16. Team: TEAM INNOVATORS



17. Team: SIERRA



18. Team: SmartFarm Innovators

Judging Process:

- The organisers identify the event's goals and objectives, and determine the key criteria for evaluating the projects. These criteria also include aspects such as business value, impact, realism, innovation, and technical difficulty.
- The organisers communicate the criteria to the participants and the judges, and provide a rating scale for each criterion. The rating scale will be numerical (1-10)
- The organisers assign judges to different categories or tracks of projects, based on their expertise and interest. The judges may be internal and external experts.
- The organisers decide on the format of the judging process.

- The judges evaluate the projects based on the criteria and the rating scale, and provide feedback and comments to the participants. The judges may also ask questions or request clarifications from the participants.
- The judges submit their scores and comments to the organisers, who aggregate and analyse them to determine the winners.

Jury Panel:

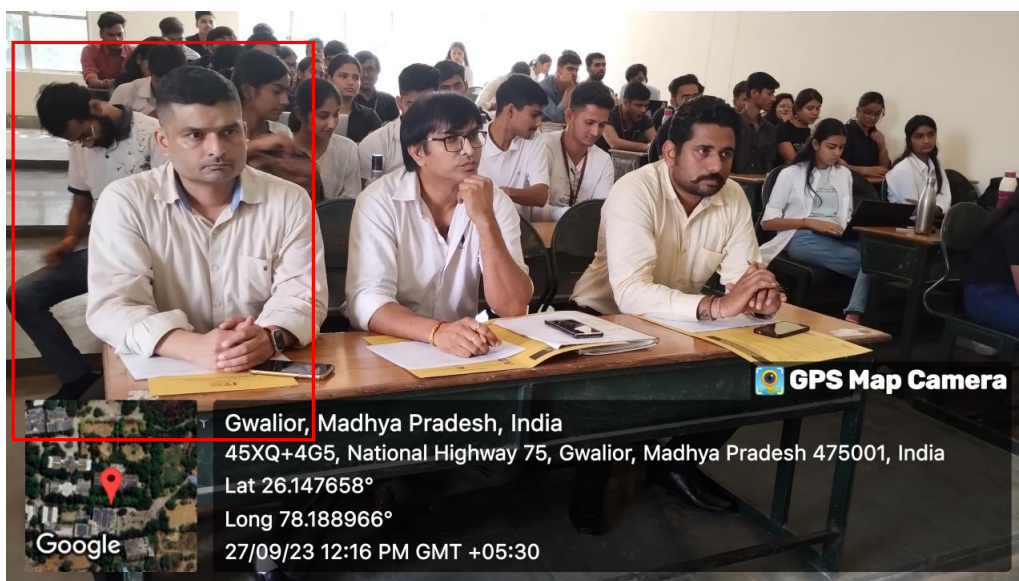
- **Dr. Deepesh Bhardwaj**, Dean Research, Institute of Technology & Management, Gwalior (M.P.)
- **Mr. Arpit Singh Chauhan**, Director TAP CELL (I/C), ITM University, Gwalior (M.P.)
- **Mr. Pawan Tiwari**, Associate Professor, ITM University, Gwalior, (M.P.)



Jury-1: Dr. Deepesh Bhardwaj, Dean Research, Institute of Technology & Management, Gwalior (M.P.)



Jury-2: Mr. Arpit Singh Chauhan, Director TAP CELL (I/C), ITM University, Gwalior (M.P.)



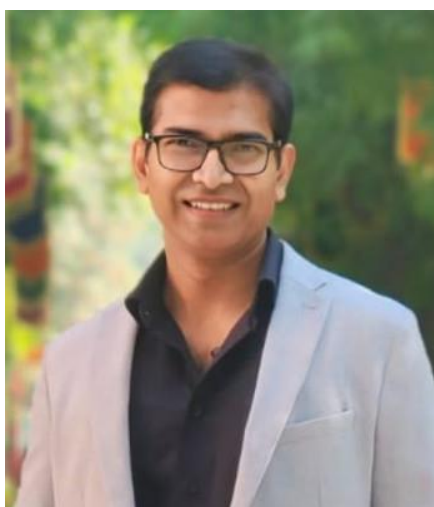
Jury-3: Mr. Pawan Tiwari, Associate Professor, ITM University, Gwalior, (M.P.)

Nominated Top Teams:

S.No.	Team	PS ID	S/W H/W	Highlight the top-performing teams	Average Score
1.	SIX STRING CODERS	SIH1340	Software	+ Straight forward solution. + Highly adaptable.	9.40
2.	Byte Bharat	SIH1322	Software	+ Approachable + Good solution + Excellent Use cases illustration	8.90
3.	CYBER CHEF	SIH1412	Software	+ Excellent technical skilled team + Added good research cases	8.70
4.	THE CHOSEN ONES	SIH1450	Software	+ Approachable + Good solution + Good Use cases illustration	8.60
5.	DYNOTECH	SIH1293	Hardware	+ Scalable solution + Excellent balance in teamwork	8.57
6.	TEAM INNOVATORS	SIH1281	Software	+ Approachable + Good solution + Research cases	8.50
7.	INNOVATIVE INITIATORS	SIH1355	Software	+ Excellent solution + Good research + Skilled Team	8.40
8.	F-SOCIETY	SIH1498	Software	+ Well-structured approach + Excellent teamwork	8.37
9.	SIERRA	SIH1282	Software	+ Good idea + Structured use cases + Good teamwork	8.33
10.	INQUISITIVE SOLVERS	SIH1348	Software	+ Solution is adaptable + Good approach	8.30

11.	LAST MINUTE MASTERS	SIH1397	Software	+ Idea is good + Need some more focus on research	8.20
12.	INNOVISION	SIH1383	Software	+ Solution is good but complex + Need some more research	8.17
13.	ECEEG	SIH1479	Hardware	+ Good use cases + Excellent process flow + Good research	7.97
14.	SMARTFARM INNOVATORS	SIH1491	Software	+ Complex solution + Need more focus	7.53
15.	F-SOCIETY	SIH1343	Software	+ Good idea + Adaptable approach + Needed more research	7.50
16.	Team AMBIVERTS	SIH1369	Software	+ Idea is good + Needed more work	7.47
17.	ASSENDERS	SIH1300	Hardware	+ Idea is good + Good research + Good product detailing	6.83
18.	TEAM AMBITION	SIH1515	Software	+ Excellent innovation + Perfect product after good research	6.53
19.	CIR-KIT SQUAD	SIH1486	Software	+ Good idea + Approach is implementable + Needed more research	6.23
20.	INNOVISION	SIH1464	Software	+ Idea is common + No innovation +	6.20

Judges Information: Include photos and details of the judges involved in the hackathon.



Dr. Deepesh Bhardwaj, Dean Research, Institute of Technology & Management, Gwalior (M.P.)

Presently, he invest in educating future generation of scientists, technologists, academicians with scientific research approach and Nano Science and Technology.

He, Supporting, Guiding, Teach and Trained the students of all category to help them developing science inside themselves.

He promote the talent, information and idea that lead to great advances in science and environmental protection.

LinkedIn: <https://www.linkedin.com/in/dr-deepesh-bhardwaj-698b7835/>

Google Scholar: <https://scholar.google.com/citations?user=cl10NX0AAAAJ&hl=en>



Mr. Arpit Singh Chauhan, Director TAP CELL (I/C), ITM University, Gwalior (M.P.)

In a span of 10 years handling T&P Deptt .had been successful in

- Placing 8,000+ Engineering students in Top Corporate.
- Design and develop curriculum and courseware for technical & non-technical job roles to enable the competencies of students.
- Bringing a change in the attitude of our students- job seekers to career building.
- Specialties: Training, Motivation, Placement.
- Coordinator, Ideapad Incubation Center, Gwalior (M.P.)

LinkedIn: <https://www.linkedin.com/in/arpit-singh-chauhan-99092b8/>



Mr. Pawan Tiwari, Associate Professor, ITM University, Gwalior, (M.P.)

Incubating Brilliance: As an expert in the business incubation space, he specialize in providing startups with the nurturing environment, resources, and guidance they need to transform ideas into successful ventures. From concept validation and market analysis to strategic planning and funding, I am committed to unlocking the full potential of early-stage businesses.

Collaboration and Connection: he thrive in the dynamic world of Startups, constantly building bridges and fostering collaboration.

LinkedIn: <https://www.linkedin.com/in/pawan-tiwari-45853a1/>

Participation Statistics:

-	Total No. of Teams Participated: 18
-	Total No. of Males: 69
-	Total No. of Female: 39



- **News Articles:** Yes
- **Social Media Links:**
https://m.facebook.com/story.php?story_fbid=pfbid023yZf7RDqK7SLhEpJqdprLhrRwYcMTiGcpR7tJjLPCiSpB44KCqyLUYALE2LJAo9U1&id=100063894495042&sfnsn=wiwspwa&mibextid=RUbZ1f
- **Hashtags:**
#sih2023 #smartindiahackathon2023 #ITMGwalior #IICITM #ITMIInnovation
#SmartIndiaHackathon #SIH2023 #Innovation #ProblemSolving #MakeInIndia #ITM #Gwalior
#hackathon #DigitalIndia
- **Tag Official Page:** Yes

(Rajkumar Rajoria)

SPOC and Coordinator,

Smart India Hackathon 2023

Institute of Technology and Management, Gwalior (M.P.)

AICTE Permanent ID : 1-414297071

AICTE Application No. (2023-24) : 1-38681674237

AISHE Code is : C-36219