



ATHARVA EDUCATIONAL TRUST'S
ATHARVA COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by Government of Maharashtra
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REPORT
OF
ATHARVA SMART INDIA
HACKATHON 2024

Held on

31st August 2024



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Introduction of Smart India Hackathon 2024 and Atharva Smart India Hackathon 2024

Smart India Hackathon (SIH) is a premier nationwide initiative designed to engage students in solving some of the most pressing challenges faced in everyday life. Launched to foster a culture of innovation and practical problem-solving, SIH provides a dynamic platform for students to develop and showcase their creative solutions to real-world problems. By encouraging participants to think critically and innovatively, the hackathon aims to bridge the gap between academic knowledge and practical application.

Themes of SIH 2024 -

1. Agriculture, Food Tech & Rural Development
2. Blockchain & Cybersecurity
3. Clean & Green Technology
4. Fitness & Sports
5. Heritage & Culture
6. MedTech/BioTech/HealthTech
7. Miscellaneous
8. Renewable/Sustainable Energy
9. Robotics and Drones
10. Smart Automation
11. Smart Vehicles
12. Travel & Tourism
13. Transportation & Logistics
14. Disaster Management
15. Smart Education



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- 16. Toys & Games
- 17. Space Technology
- 18. Smart Resource Conservation

The Atharva Smart India Hackathon (Internal Hackathon) 2024 was held on August 31st, 2024, at the campus of Atharva College of Engineering. The event was a day of innovation, creativity, and excitement. The national level event was open to all students of all the colleges, and a total of 46 teams participated; each with six members consisting of at least one female member.

The Atharva SIH 2024 was organized with the following objectives:

1. To enlighten the students with the challenges of Software and Hardware Edition.
2. To scrutinize the solutions provided by team members for different problem statements listed by multiple organizations and Ministries of India.
3. To help students understand the problem from different perspectives and to come up with a proper solution.
4. To prepare the student teams for national-level Smart India Hackathon 2024.

The hackathon was a great success. The students were enthusiastic and creative, and they came up with some innovative solutions to the problem statements. The judges were impressed with the quality of the solutions, and they were confident that the students would be successful in the national-level hackathon.

The Atharva SIH 2024 was a valuable learning experience for the students. It helped them to develop their problem-solving skills, to work collaboratively, and to think creatively. The event also helped to foster a culture of innovation and entrepreneurship among the students.



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Awareness Session of Atharva Smart India Hackathon 2024

The awareness session of Atharva Smart India Hackathon (Internal Hackathon) 2024 was conducted on the 21st August 2024 from 10:00 AM to 12:00 PM, in Smart Classroom 2, 5th floor, Atharva College of Engineering, by Dr. Ulhaskumar Gokhale (Head, R&D Cell) and Prof. Mahendra Patil, SPOC, SIH 2024, Atharva College of Engineering, Mumbai.

The awareness session of the Smart India Hackathon 2024 proved to be a resounding success. This session effectively enlightened students about the Smart India Hackathon, providing them with a comprehensive understanding of its objectives, challenges, and opportunities. Participants left the session well-informed and motivated as their queries were answered during the session. The session was attended by 102 students.





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Poster and Registration Form Details



Social Media links:

Instagram: <https://www.instagram.com/p/C-5Bg8kyRMn/>

Facebook: <https://www.facebook.com/share/p/UnkWjhjRWi7XrSqk/>

LinkedIn :

https://www.linkedin.com/posts/atharva-college-of-engineering-acoe_sih2024-smartindiahackathon2024-innovationseatmanirbharbharat-activity-7231631986715463681--pKz?

Registration Form Link - <https://forms.gle/x3qApxanYtAGcpCV9>



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ATHARVA EDUCATIONAL COMPLEX, MALAD MARVE ROAD,
CHARKOP NAKA, MALAD (W), MUMBAI - 400095, INDIA



**CSI IN COLLABORATION WITH
IIIC, IIC, CII, IQAC AND R&D CELL
ORGANIZES**

 **ATHARVA SMART INDIA
HACKATHON - 2024**

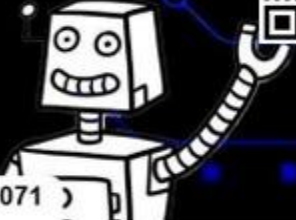
ON
31/8/2024

PRIZES

1st Place: ₹ 5000
2nd Place: ₹ 3000
3rd Place: ₹ 2000

FREE REGISTRATION

Contact Details:
Prof. Mahendra Patil: 8850158557 Prajakta Pawar: 8652453071





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List of registered participants

Sr. No.	Participant Details	No. of Participants
1.	Boys	186
2.	Girls	90

Total no. of teams participated = 46

Responses Database -

[+ Atharva Smart India Hackathon 2024 Registration Form \(Responses\)](#)



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Inauguration of Atharva Smart India Hackathon 2024

The inauguration session was held on 31st August 2024 at 10:00 AM in Smart Classroom 2, 5th floor, Atharva College Of Engineering, Mumbai. The inauguration session was initiated by Prof. Mahendra Patil, who gave detailed guidelines about Atharva SIH 2024.

The Inauguration of the program was done by Dr. Ulhaskumar Gokhale,(Head, R&D Cell). Where he motivated the students by giving detailed knowledge of Hackathon and problem-solving skills.

Dr. Bhavin Shah, Associate Professor and Head Of Electronics and Telecommunication Department, addressed the audience giving the journey of hackathons conducted in Atharva College Of Engineering, Mumbai.





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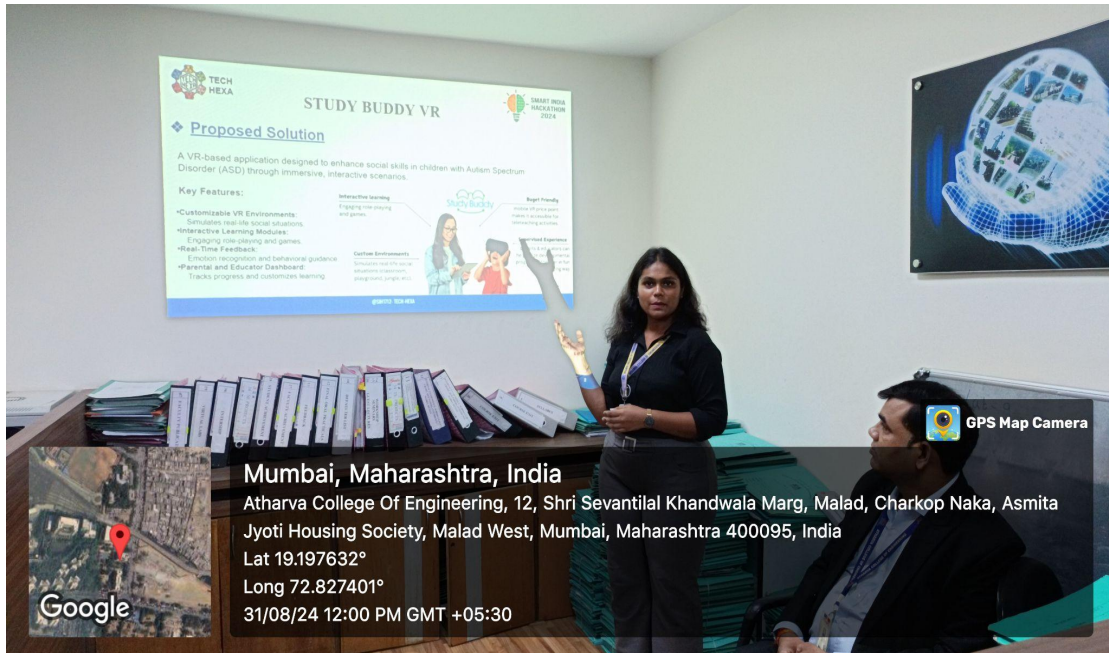
ACE SIH Teams Photos





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Project Assessment Form

Team No.:

Title:

PS code:

Date: 31/8/2024 (Saturday)

Assessment Form:

Sr.No.	Criteria	Marks out of 10
1	Novelty in Project idea	
2	Level of literature survey	
3	Understanding of actual implementation and Feasibility	
4	Understanding of the Future Modifications, if any by the students..	
5	Innovativeness and creativity in project as well as utility of the project for industry / academia or society	
6	Skill level of the students for actual implementation	
7	Originality of the content in the project report and quality of data collection	
8	Soft Skills - Communication Skills, team spirit	
9	Scalability	
10	Affordability	
	Comments/ Suggestions	

Name and Signature of Expert

Signature
Prof. Mahendra Patil
SPOC SIH 2024,
Atharva College of Engineering, Mumbai



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S. No. 263, Plot No. 8-12, Malad-Marve Road, Charkop Naka, Malad (West), Mumbai - 400 095, INDIA
Tel.: +91-22-4029 4949 • Email: ace@atharvacoe.ac.in • Website: www.atharvacoe.ac.in

Ref. No.: ACE/SH/904/2024

Date 31-08-2024

Atharva Smart India Hackathon 2024 Winners

Atharva College of Engineering, Malad(W), Mumbai has successfully conducted the Atharva Smart India Hackathon on 31st August 2024 for the selection process of Teams to participate in SMART INDIA HACKATHON 2024 by Government of India.

1st Prize Winner of Internal SIH 2024

Winning Team Number: 10

Winning Team Name: Bit-Reapers

PS CODE: 1620

Category: Software

Problem Statement Title: "Queueing models in OPDs/ availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with a city wide module."

Winning Team Leader: Hemant Chittapurapu

Winning Team Members:

1. Rohit Mondal
2. Chetan Gupta
3. Yashwant Chappawale
4. Omkar Angchekar
5. Minal Tawale


Prof. Mahendra Patil
SPOC, SIH 2024

Atharva College of Engineering, Mumbai




Dr. Ramesh Kulkarni
Principal



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Ref. No.: ACE/SH/902/2024

Date 31-08-2024

Atharva Smart India Hackathon 2024 Winners

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2nd Prize Winner of Internal SIH 2024

Winning Team Number: 15

Winning Team Name: Agro Dew

PS CODE: 1554

Category: Hardware

Problem Statement Title: "Smart Irrigation System for Precision Farming"

Winning Team Leader: Sarita Mukkani

Winning Team Members:

1. Sakshi Adhikari
2. Anushka Pandhare
3. Jignesh Rana
4. Jeevan Patil
5. Sarveshwar Dalvi


Prof. Mahendra Patil
SPOC, SIH 2024

Atharva College of Engineering, Mumbai




Dr. Ramesh Kulkarni
Principal



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Ref. No.: ACE/SH/903/2024

Date 31-08-2024

Atharva Smart India Hackathon 2024 Winners

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3rd Prize Winner of Internal SIH 2024

Winning Team Number: 1

Winning Team Name: Codebots

PS CODE: 1600

Category: Software

Problem Statement Title: Recruiter tool

Winning Team Leader: Sujit Mishra

Winning Team Members:

1. Rutuja Bhatkar
2. Rahul Bhojkar
3. Priyal Kantharia
4. Parth Mhatre
5. Vaidehi Mhatre


Prof. Mahendra Patil
SPOC, SIH 2024

Atharva College of Engineering, Mumbai




Dr. Ramesh Kulkarni
Principal



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Winner Team with photos

3rd Prize Winner Team:



2nd Prize Winner Team:





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1st Prize Winner Team:



Prof. Mahendra Patil
SPOC, SIH, 2024, ACE

Prof. Prajakta Pawar
SIH Coordinator, ACE



Dr. Ulhaskumar Gokhale
Head (R&D Cell), ACE

Dr Ramesh Kulkarni
Principal - ACE