



Sindhudurg Shikshan Prasarak Mandal's College of Engineering Kankavli

A/P : Harkul (Budruk), Tal : Kankavli, Dist : Sindhudurg, Pin : 416602, Tel : (02367) 299214



SMART INDIA INTERNAL HACKATHON 2024 REPORT

Overview :

SSPM College of Engineering successfully hosted internal hackathon on September 23, 2024. The event, designed to stimulate innovation and problem-solving skills among students, attracted a significant turnout. Students from various departments participated, each vying to develop innovative solutions to real-world challenges.

The hackathon provided a platform for students to collaborate, apply their theoretical knowledge, and showcase their creativity. Participants were mentored by faculty members who offered guidance and support throughout the day. The teams worked diligently to develop their solutions, often facing tight deadlines and unexpected challenges.

At the end of the event, teams presented their solutions to a panel of judges. The judges evaluated the teams based on criteria such as relevance to the problem statement, originality of the solution, technical feasibility, and effective presentation. After careful deliberation, nine teams were selected to represent SSPM College of Engineering at the Smart India Hackathon 2024.

The internal hackathon was a resounding success, demonstrating the talent and potential of SSPM College of Engineering students. The event not only fostered a culture of innovation but also provided valuable hands-on experience that will benefit the students in their future careers.

Event Structure :

- Mentorship Sessions: Faculty members provided guidance and support to the teams.
- Presentation and Judging: Teams presented their solutions to a panel of judges, who evaluated them based on the established criteria.
- Results Announcement: The nominated teams were selected and announced.





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Event Photos :



Judges of
Internal Hackathon

Participants of Internal
Hackathon





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Internal Hackathon
2024

Student Organizers of
Internal Hackathon





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Student Organizers of
Internal Hackathon

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

AICTE

SMART INDIA HACKATHON 2024

Official Partner
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Evaluation Partner
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Internal Institute Level Hackathon 2024

SSPM College of Engineering

Date : 23 | 09 | 2024

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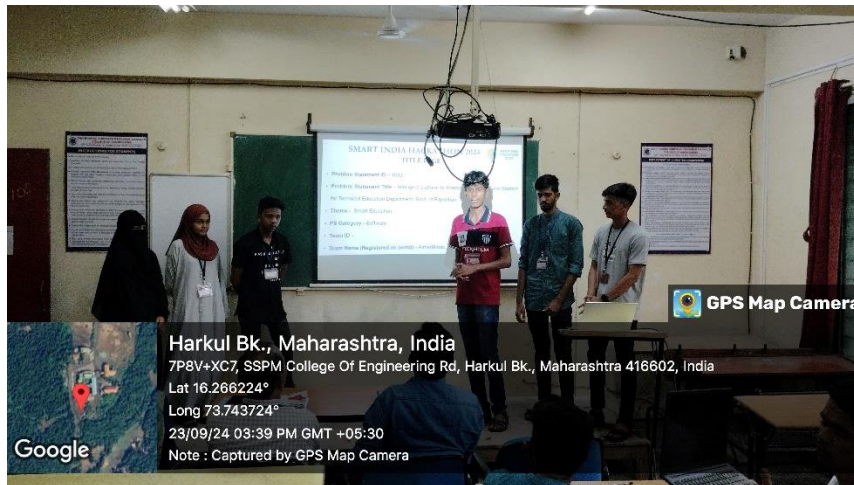
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Participating Teams :

Participating team in
Internal Hackathon



Participating team in
Internal Hackathon





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Participating team in
Internal Hackathon



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Participating team in
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Judging Panel:



Prof. Supriya Sameer Nalawade
HOD AIML Dept.



Dr. Nitin Mahadeo Shivsharan
HOD CSE Dept.



Dr. Raosaheb Dadu Thombare
HOD ELECTRICAL Dept.

A panel of esteemed judges, comprising Prof. Supriya Nalawade (HOD of CSE AIML Department), Dr. Nitin Shivsharan (HOD of Computer Science Department), and Dr. Raosaheb Thombare (HOD of Electrical Department), carefully evaluated the teams presentations based on a comprehensive set of criteria. Relevance to the problem statement was a key factor, ensuring that the solutions directly addressed the given challenges. Innovation was also highly valued, recognizing the creativity and originality of the proposed solutions. Feasibility was another important consideration, assessing the practicality and viability of the technical approaches. Technical soundness was evaluated to ensure that the underlying concepts and implementation were robust and well-founded. Finally, presentation skills played a crucial role in conveying the teams' ideas effectively and persuasively.





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Judging Process

Judging Criteria:

1. Relevance to Problem Statement: How well the solution addresses the given problem.
2. Innovation: The novelty and creativity of the proposed solution.
3. Feasibility: The practicality and viability of the solution.
4. Technical Soundness: The underlying technical concepts and their implementation.
5. Presentation Skills: The clarity, coherence, and persuasiveness of the presentation.

Judging Procedure:

1. Presentation: Each team was given a 15 to 20 minutes slot to present their solution. The presentation should include a clear explanation of the problem, the proposed solution, the technical approach, and the expected impact.
2. Question and Answer Session: The judges asked questions to clarify doubts, assess the depth of understanding, and challenge the team's assumptions.
3. Evaluation: Judges evaluated each team's presentation based on the established criteria. A scoring rubric was used to quantify the performance of each team.





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Problem Statements Selected by Teams:

1. Rapid colorimetric and artificial intelligence-based methods for determining the microbial quality of raw milk, processed milk, and milk products.
2. Drug Inventory and supply chain Tracking system.
3. Dashboard for Swachhta and LiFE: Develop a dashboard aimed at maintaining cleanliness and LiFE practices, integrating AI-powered image processing technology for effective monitoring of Swachhta and green practices adopted in post offices.
4. Intelligent platform to Interconnect Alumni and Student for Technical Education Department, Govt. of Rajasthan.
5. A Software, AI App to provide legal information, including case laws and various important landmark judgments on important legal matters.
6. Fuzzy Name conversion of Hindi Names in Police Records.
7. Developing a robust hydraulic transient analysis model for hydropower and pump storage schemes.
8. Money is being transacted by criminals in crypto currency.
9. Online issuance of Caste and other certificates by Revenue Department need real-time monitoring
10. Development of a mobile application to provide recreational suitability information of beach locations across India.
11. Hardware Inventory Management in the Police Department.
12. Parsing of Social Media Feeds.
13. Learning path dashboard for enhancing skills.
14. Development and Implementation of Face Recognition Technology in the Police Department
15. Micro-Doppler based Target Classification.
16. Centralized Automated Solution for Price Estimation & Reasonability.





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Nominated top teams :

Team 1 - CODE ALPHA

Team 2 - BUG BUSTERS

Team 3 - InnovX

Team 4 - Tech Titans

Team 5 - AimerMinds

Team 6 – Team DB

Team 7 - Team ELITE

Team 8 – SkillCrafters

Team 9 – Binary Brains

Participation Statistics :

The internal hackathon saw a diverse range of participants from various departments and year levels. Students from Computer Science, Artificial Intelligence and Machine Learning, Electrical, and Mechanical Engineering were all represented. Teams were formed from students within the same class as well as across different classes, fostering collaboration and knowledge sharing. A total of 54 students participated, including 17 girls and 37 boys. This demonstrates the wide-ranging interest and enthusiasm for innovation and problem-solving among the student body.





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Ministry of
Education
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MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



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HACKATHON
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Internal Institute Level Hackathon 2024



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News Article :

एसएसपीएम कॉलेज ऑफ इंजीनियरिंग कणकवली मध्ये आज 'इंटरनल हॅकॅथॉन' कणकवली (प्रतिनिधी)

सिंधुदुर्ग शिक्षण प्रसारक मंडळाच्या कॉलेज ऑफ इंजीनियरिंग कणकवली येथे १९ सप्टेंबर २०२४ रोजी इंटरनल हॅकॅथॉनचे आयोजन केले आहे. या स्पर्धेमध्ये सहभागी झालेल्या सर्वोत्तम ५० संघांना स्मार्ट इंडिया २०२४ या स्पर्धेमध्ये सहभागी होण्याची संधी मिळेल.

एआयसीटीई आणि इनोवेशन सेल गव्हर्नमेंट ऑफ इंडिया यांच्या संयुक्त विद्यमाने ही स्पर्धा आयोजित करण्यात आलेली आहे. तरी विद्यालयामध्ये आयोजित करण्यात आलेल्या इंटरनल हॅकॅथॉनमध्ये जास्तीत जास्त संघानी सहभागी होऊन आपल्या कल्पना सादर कराव्यात असे आवाहन संस्थेचे प्राचार्य डॉ. डी. एस. बाडकर व या स्पर्धेचे संयोजक प्राध्यापक एकनाथ मांजरेकर यांनी केले आहे.

