About the Event

The Smart India Hackathon (SIH) is a national program by the **Ministry of Education's Innovation Cell**. It encourages students to solve real-life problems with creative and practical solutions. The event bridges academic learning with real-world needs, giving students a platform to showcase their ideas. Since its launch, SIH has promoted innovation among students across India, especially in engineering. It also connects students with industry experts, government, and other partners to turn ideas into impactful solutions.

About the Problem Statement

The problem statements attempted by the students in the internal hackathon covered various domains, with a majority of participants choosing topics related to Agriculture, Healthcare, and other sectors. Students explored diverse challenges within these fields, reflecting their interests and the relevance of these areas to current societal needs.

NUMBER	PROBLEM STATEMENT
SIH25001	Smart Community Health Monitoring and Early Warning System for Water-Borne Diseases in Rural Northeast India
SIH25002	Smart Tourist Safety Monitoring & Incident Response System using Al, Geo-Fencing, and Blockchain-based Digital ID
SIH25006	Development of a Digital Farm Management Portal for implementing Biosecurity measures in Pig and Poultry Farms
SIH25008	Disaster Preparedness and Response Education System for Schools and Colleges
SIH25009	Gamified Environmental Education Platform for Schools and Colleges
SIH25010	Smart Crop Advisory System for Small and Marginal Farmers
SIH25012	Automated Attendance System for Rural Schools
SIH25015	Intelligent Pesticide Sprinkling System Determined by the Infection Level of a Plant
SIH25021	AI based development of Laser based QR Code marking on 'track fittings on Indian Railways'.
SIH25027	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.
SIH25029	Authenticity Validator for Academia
SIH25036	Development of Sensor for Detection Of Microplastics
SIH25044	Al-Powered Crop Yield Prediction and Optimization
SIH25045	Blockchain-Based Supply Chain Transparency for Agricultural Produce
SIH25048	Gamified Learning Platform for Rural Education
SIH25049	Al-Driven Public Health Chatbot for Disease Awareness

SIH25073	AI-Powered Mobile Platform for Democratizing Sports Talent Assessment
SIH25081	AI-Driven Train Induction Planning & Scheduling for Kochi Metro Rail Limited (KMRL)
SIH25083	Digital Health Record Management System for migrant workers in Kerala aligned with sustainable development goals
SIH25091	AI-Based Timetable Generation System aligned with NEP 2020 for Multidisciplinary Education Structures
SIH25092	Development of a Digital Mental Health and Psychological Support System for Students in Higher Education
SIH25094	One-Stop Personalized Career & Education Advisor
SIH25099	AI-powered monitoring of crop health, soil condition, and pest risks using multispectral/hyperspectral imaging and sensor data.
SIH25105	Hybrid Renewable Energy Generation Solution
SIH25106	Internship/Industrial Training with Placement Opportunity
SIH25109	Student Innovation: Swadeshi for Atmanirbhar Bharat - Agriculture, FoodTech & Rural Development
SIH25126	Student Innovation: Swadeshi for Atmanirbhar Bharat - Agriculture, FoodTech & Rural Development
SIH25131	Student Innovation: Swadeshi for Atmanirbhar Bharat - MedTech / BioTech / HealthTech
SIH25132	Student Innovation: Swadeshi for Atmanirbhar Bharat - Miscellaneous
SIH25140	Student Innovation: Swadeshi for Atmanirbhar Bharat - Smart Education
SIH25149	Loan Utilization Tracking via Mobile
SIH25155	Transliterations tool for street signs
SIH25165	Temple & Pilgrimage Crowd Management (Somnath, Dwarka, Ambaji, Pavagadh)
SIH25168	Enhancing farmer productivity through innovative technology solutions
SIH25194	Intelligent Recommendation System for Personalized Individual Development Plans (IDPs)

Event Photos

Ministry of Education
Government of India

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

SMART INDIA HACKATHON 2025

SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

PEDATADEPALLI, TADEPALLIGUDEM-534 101, W.G.Dist.

Participating Teams

Ministry of Education
Government of India

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

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SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

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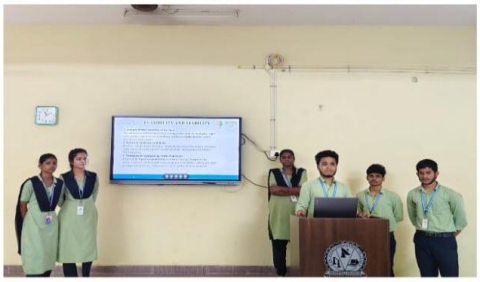

Google Drive Link :
https://drive.google.com/drive/folders/1M9yUTXFzcfvjD8JEFNWb59dUC8EeqVQi?usp=drive_link

Judging Process

The judging process for the internal hackathon was carried out by a panel of jury members who evaluated each team based on their presentation skills, technical knowledge, understanding of the problem statement, and the effectiveness of the proposed solution. The evaluation was conducted using a structured scoring system, with each team being rated on five key criteria: Idea Matching, Novelty, Feasibility, Viability, and Presentation. Each of these criteria carried a maximum score of 10 points. After carefully reviewing and scoring all participating teams, the top performers were selected based on their overall scores. A total of 72 teams participated in the internal hackathon, from which 45 teams were shortlisted for the main event, along with an additional 5 teams placed on a waiting list.

Jury Panel

Name of the Jury	Designation of Jury	Organization of Jury	Mobile No of Jury	Email ID of Jury
Dr. V S Naresh	Professor, Computer Science & Engineering	Sri Vasavi Engineering College (A)	9491556014	deanrnd@srivasaviengg.ac.in
Mr. G Shiva Rama Krishna	RPA Architect & Team Lead, Associate Manager	Accenture	9989109007	shiva.gorintla@accenture.com
Mr. S Kumar Reddy Mallidi	Assistant Professor,Computer Science & Engineering	Sri Vasavi Engineering College (A)	9989399316	kumarreddy.cse@srivasaviengg.ac.in
Mr. Ch Phaneendra Varma	Assistant Professor, Computer Science & Engineering	Shri Vishnu Engineering College for Women(A),Bimavaram	9948055566	chpvarmacse@svecw.edu.in
Dr. E Aswani Kumar	Professor, Artificial Intelligence&Machine Learning	Sri Vasavi Engineering College (A)	7981164246	aswanikumar.aim@srivasaviengg.ac.in
Dr.G.Kusuma	Associate Professor Electrical and Electronics Engineering	Sagi Rama Krishnam Raju Engineering College (A)	9440079316	gkusuma@srkrec.ac.in
Dr. J Rajesh	Assoc. Professor, Electrical &Electronics Engineering	Sri Vasavi Engineering College (A)	9985140057	Rajesh.eee@srivasaviengg.ac.in
Mr. Badri Chorapalli	CEO & Founder	ONYGE Private Limited,Tanuku-534211	8374285729	badri@onyeg.com

Nominated Top Teams

The internal hackathon saw remarkable innovation across diverse domains, with students applying cutting-edge technologies to solve real-world problems. From a pool of 71 shortlisted teams, several stood out for their creativity, technical skill, and practical impact.

- **Agentic AI Solutions:** Teams developed autonomous **Agentic AI models** for tasks like intelligent personal assistance and adaptive learning environments.
- **Blockchain Applications:** Projects utilized **Blockchain** to create secure, decentralized systems for e-voting, certificate verification, and micro-financing, ensuring **trust and data integrity**.
- AI and IoT in Agriculture (Smart Farming): Innovations combined AI, IoT, and remote sensing for automated crop monitoring, soil analysis, smart irrigation, and supply chain tracking. These solutions aim to boost yield and reduce waste.
- AI for Healthcare and Education: Teams applied Machine Learning and NLP to build tools like mental health monitoring apps, disease prediction models, and adaptive tutoring systems.
- Sustainable Technology: Projects addressed environmental challenges through tech solutions for waste management, renewable energy tracking, and urban air quality monitoring.

Judges Information

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<tr>
<td>  </td>
<td>Dr. V S Naresh
Professor, Computer Science & Engineering,
Sri Vasavi Engineering College (A)</td>
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<td colspan="2">Dr. Naresh is the current Dean of Research and Development in the Department of Computer Science and Engineering at Sri Vasavi Engineering College (A), Tadapalligudem. He has published numerous papers and journals in reputable communities and holds patents in the field of cybersecurity. Google Scholar</td>
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Mr. G Shiva Rama Krishna,
RPA Architect & Team Lead,
Associate Manager, Accenture

Results-driven Intelligent Automation & RPA Lead with 9+ years of experience delivering end-to-end automation solutions across Finance, Healthcare, and Manufacturing. Skilled in UiPath, Automation Anywhere, Blue Prism, Power Automate, and Snowflake, with expertise in AI/ML integration. Proven ability to streamline processes, reduce costs, and lead cross-functional teams. Passionate about driving digital transformation through smart, scalable automation.
Linkedin: shiva-gorintla-b71189148

Mr. S Kumar Reddy Mallidi
Assistant, Computer Science & Engineering,
Sri Vasavi Engineering College (A)

Mr. S. Kumar Reddy Mallidi is currently serving as an Assistant Professor in the Department of Computer Science & Engineering at Sri Vasavi Engineering College (Autonomous). He holds an M.Tech degree from MVGR College of Engineering, Vizianagaram, and is presently pursuing his Ph.D. from KL University, Guntur.
His areas of expertise include **Artificial Intelligence** and **Computer Networks**. He has published several research papers in reputed journals and conferences, contributing to the academic and research communities in his field.
Google Scholar

Mr. Ch Phaneendra Varma
Assistant Professor, Computer Science & Engineering
Shri Vishnu Engineering College for Women(A), Bimavaram

Mr. Phaneendra Varma Chintalapati is an Assistant Professor in the Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women, Bhimavaram, where he also serves as the Faculty In-charge of the AR/VR Centre of Excellence. With nearly a decade of teaching experience, he is currently pursuing his PhD at Veltech University, Chennai in the health care domain using Machine Learning and Deep Learning.

His research focuses on artificial intelligence, computer vision, AR/VR applications, cloud computing, and cybersecurity. He has published several research papers in reputed journals and conferences, authored textbooks, patents and design models across India, Germany, and the UK, and guided student projects leading to indexed publications.

He actively contributes to academic and institutional initiatives, including coding clubs, innovation programs, and industry collaborations. Recognized for his excellence in teaching and training, he combines technical expertise with a passion for advancing immersive technologies and AI-driven solutions in education and healthcare.

Dr. E Aswani Kumar
Associate Professor Electrical and Electronics Engineering
Sri Vasavi Engineering College (A)

Dr. E. Aswani Kumar is a Professor at Sri Vasavi Engineering College with a Ph.D. from JNTUK, Kakinada (2021) and an M.E. degree. He has contributed to research through 4 publications in international journals, 3 conference papers, and 2 books/book chapters. He actively engages in academic and professional service as a conference reviewer, journal committee member, and Vice-Chair of the IEEE Joint Chapter, IEEE Vizag Bay Section. He holds 9 NPTEL and 5 other certifications, has published 3 patents, and has organized 4 workshops while attending 10. A Senior Member of IEEE and member of IEEE-PES, IEEE-PELS, and IEEE-YP, Dr. Kumar continues to contribute to research, innovation, and professional development in his field.

Dr.G.Kusuma
Assistant Professor, Computer Science & Engineering
Sagi Rama Krishnam Raju Engineering College (A)

Dr. Kusuma Gottapu is an Associate Professor in Electrical and Electronics Engineering at Sagi Rama Krishnam Raju Engineering College, India. She holds a B.Tech from Jawaharlal Nehru Technological University and both an M.E. and Ph.D. in Electrical Engineering from Andhra University. Her research focuses on renewable energy systems, power quality, power system analysis, and smart grids. She has expertise in solar energy, particularly in PV array configuration and Maximum Power Point Tracking (MPPT), and has published extensively on control strategies for wind and solar energy systems.

Dr. J Rajesh
Assoc. Professor, Electrical &Electronics Engineering
Sri Vasavi Engineering College (A)

Dr. J. Rajesh is an accomplished academician and researcher serving as an Associate Professor in the Department of Electrical & Electronics Engineering at Sri Vasavi Engineering College (Autonomous). With a strong foundation in electrical engineering and a commitment to academic excellence, he has contributed significantly to teaching, research, and mentoring.

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<td>Mr. Badri Chorapalli
CEO & Founder
ONYGE Private Limited, Tanuku-534211</td>
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<tr>
<td colspan="2">Badri Chorapalli the Founder and CEO of ONYEG PRIVATE LIMITED, with over 18 years of expertise in product development, architecture, and full-stack innovation. At ONYEG, I lead a dedicated team focused on transforming education through handwriting-first, AI-powered solutions. Our key innovations include oSlate, an E-Ink-based digital learning device that provides a paper-like, eye-safe experience for students, and WeEvaluate, an AI-driven handwritten assessment platform that streamlines exam conduction and evaluation for schools. Previously, I developed Eva App, a SaaS platform that enhanced teacher-student-parent collaboration with features like student profiles, achievement sharing, class diaries, and integrated assessments. At ONYEG, our mission is to design scalable, child-centric technologies that uphold pedagogy, foster digital wellbeing, and seamlessly integrate human interaction with intelligent automation.</td>
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Participation Statistics

Internal Hackathon Overview

We initiated the internal hackathon process on 18th September by opening registrations through a Google Form. The response was overwhelming, with a total of 101 teams registering for the event.

After a careful round of initial scrutiny and evaluation, 71 teams were shortlisted to participate in the hackathon.

- **Total Participants**: 426 students
    - **Female Students**: 262
    - **Male Students**: 164