SMART INDIA HACKATHON 2026

INTERNAL HACKATHON REPORT

About the Event: The event aimed to foster innovation, creativity, and problem-solving skills among our students, while preparing them to participate effectively in the national-level Smart India Hackathon 2026.

The main objectives of Internal Hackathon:

- **Innovation** – Generate creative solutions to real-world problems.
- **Collaboration** – Build teamwork and enhance technical skills.
- **Networking** – Connect with mentors, professionals, and opportunities.

As a proud winner of SIH 2024, Shri K. J. Polytechnic, Bharuch organized the Internal Hackathon for Smart India Hackathon (SIH) 2026 on 18th September 2026 in offline mode on our campus. Registrations were closed on 11th September 2026; however, spot registrations were also permitted due to the addition of new PS IDs. A total of 09 teams participated in the Internal Hackathon. Notably, about 30% of the participants were female students, highlighting strong gender representation.

It is a one of kind opportunity for our students to represent at such National level event.





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About the Problem Statement: A total of 09 different PS Id's & 04 themes were targeted.

Sr. No.	PS Id & Title	Theme
1	26030 Automated Cable Specimen Preparation System for IS 10810 and IS 7098 Compliance.	Smart Automation
2	26040 Smart Water Purification and Quality Monitoring System for Rural and Mining-Affected Areas.	Clean & Green Technology
3	26052 To develop an AI/ML-enabled adaptive noise cancellation (ANC) system that effectively suppresses stationary, non-stationary, and impulsive defence noises while maintaining high speech intelligibility and real-time performance on embedded hardware.	Miscellaneous
4	26110 Development of a Low-Cost Light-weight Milk Chilling Can for Small-Scale Dairy Farmers	Agriculture, Food Tech & Rural Development
5	26118 Passive Colorimetric H2S Exposure-Dosimeter Wristband with AI-Based Quantitative Reading	Smart Automation
6	26172 Low Latency and Efficient Voice Activator for Edge Devices	Smart Automation
7	26235 Development of a Portable Nano engineered Rapid Food Testing Kit for On-Site Detection of Food Adulterants and Contaminants	Agriculture, Food Tech & Rural Development
8	26022 Design and develop a smart, solar-powered drying and compact packaging system to support home-based agarbatti manufacturing by rural women artisans.	Agriculture, FoodTech & Rural Development
9	26032 Farmers often face long waiting times, lack of information regarding procurement schedules, and uncertainty about procurement status.	Smart Automation

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Event Photos:



Hack for BHARAT, Build for the World

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Participating Teams:



Hack for BHARAT, Build for the World

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Judging Process: The event was divided into three sessions.

- First round – Mentoring
- Second round – Judging & Assigning Task
- Final round – PPT Presentation.

Judging was based on following weighted evaluation rubric.

SHRI K. J. POLYTECHNIC BHARUCH

SMART INDIA INTERNAL HACKATHON 2026

Weighted Jury Evaluation Rubric

Team Name:

PSID:

PSID Title:

Criteria	Weight (%)	1 - Poor	2 - Fair	3 - Good	4 - Very Good	5 - Excellent	Marks
Novelty & Innovation	15	Lacks originality, no creativity	Slight originality, limited creativity	Somewhat innovative, moderate creativity	Strongly innovative, unique approach	Highly original, breakthrough idea	15/12/09/06/03
Feasibility & Practicability	20	Unrealistic, impractical	Weak feasibility, limited application	Somewhat feasible with challenges	Practical, clear application path	Highly feasible, strong implementation roadmap	20/16/12/08/04
Complexity & Detail	15	Superficial, lacks depth	Limited detail, vague	Adequate technical depth, some gaps	Strong technical detail, mostly complete	Comprehensive, deeply technical, well-documented	15/12/09/06/03
Sustainability & Scalability	15	No sustainability or scalability	Weak sustainability, limited scalability	Moderately sustainable and scalable	Strong potential for long-term and scaling	Highly sustainable, easily scalable across contexts	15/12/09/06/03
User Experience	10	Confusing, not user-focused	Limited usability, weak user focus	Usable but room for improvement	Intuitive, user-friendly	Exceptional, highly user-centered	10/08/06/04/02
Impact & Potential	20	Minimal or no real impact	Narrow effect, limited potential	Moderate impact in specific area	Significant impact, growth potential	Transformative, wide-reaching societal benefit	20/16/12/08/04
Teamwork & Coordination	5	Poor collaboration	Limited teamwork	Adequate teamwork	Strong coordination	Excellent synergy, outstanding collaboration	05/04/03/02/01
TOTAL	**100**						

Shri Himanshu Prajapati	Shri Joya Jubair	Shri Hardik Agravatt	Shri Gaurav Rane	Shri Sanjay Patel
Jury-1	Jury-2	Jury-3	SPOC	SSIP Co-Ordinator

Participation Statistics:

- Total number of students – 48
- Total number of teams – 08
- Male Students – 32
- Female students – 16
- Total PS Id's – 09
- Total Theme – 04

Judges Information:

	Name: Himanshu Prajapati Designation: Founder & CEO Technomax Solutions Company: Technomax Solutions, Bharuch Experience: 15 yrs + experience in Industry & Academic as Softare Developer, Industrial Solutions, Project Management
	Name: Joya Jubair Designation: Service Engineer Company: J. J. Construction Experience: 14 Yrs + of Teaching & Industry Experience in Electrical & Electronics Engineering
	Name: Hardik Agravatt Designation: Lecturer Company: Shri K. J. Polytechnic, Bharuch Experience: 7 yrs industrial experience as Executive engineer in Torrent Power, Ahmedabad. 9 Yrs + Teaching experience

Nominated Top Teams: Judges nominated the teams based on Concept & novelty of Idea, Innovations, Feasibility & scalability of Idea. Team coordination & composition was also given importance. Each team member was also judge on language proficiency & fluency, in-depth knowledge, his role & coordination with other team members. Jury decided to nominate a total of 6 teams with novel idea but with some changes in team configuration and members.

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