



Government Engineering College Bhavnagar

Smart India Hackathon -2026

Internal Hackathon

Date: 10/09/2026

EVENT REPORT: SMART INDIA HACKATHON (SIH) 2026 – INTERNAL HACKATHON

Organized by: Student Start-up and Innovation Policy (SSIP) Cell

Institution: Government Engineering College (GEC), Bhavnagar

Date: September 10, 2026

Time: 3:00 PM – 5:00 PM

Venue: Rooms 401, 402, & 403, EC Engineering Building, GEC Bhavnagar

1. Executive Summary

The Internal Hackathon for **Smart India Hackathon (SIH) 2026** was successfully conducted at Government Engineering College, Bhavnagar on September 10, 2026, under the aegis of the SSIP Cell. The primary objective of this event was to evaluate, mentor, and shortlist student teams proposing innovative technological solutions for national problem statements.

A total of **33 teams** comprising **198 students** presented their solutions across **33 distinct problem statements**. The event witnessed high-energy interactions, live technical demonstrations, and structured evaluation by an esteemed panel of faculty judges.

2. Organizing Committee & Leadership

The event was organized and executed seamlessly under the leadership and supervision of the SSIP Cell at GEC Bhavnagar:

- **Patron**: Prof. (Dr.) M G Bhatt
- **Head of SSIP Cell:**Dr.H P Koringa
- **Single Point of Contact (SPOC):**Dr. N N Pandya
- **Event Coordinators: 1.** Prof. P. J. Gohel 2. Prof.SwetaGarasia

3. Evaluation Panel (Jury Members)

A panel of experienced faculty members served as judges to evaluate the innovative ideas, technical feasibility, prototype readiness, and presentation skills of the participating teams:

- Dr. D. B. Jani
- Dr. A. Y. Pathak
- Prof. C. A. Gajjar
- Prof. K. P. Kandoria
- Prof. C. A. Vyas

- Dr.V. K. Barot
- Dr. M. K. Vala
- Dr. D. G. Jani

4. Event Highlights & Execution

- **Parallel Sessions:** The evaluations were conducted across three dedicated venues (Rooms 401, 402, and 403) in the Electronics & Communication Engineering Department to ensure sufficient time for each team's interaction with the jury.
- **Demonstration &Defense:** Student teams showcased working hardware modules, software applications, slide decks, and mobile interfaces.
- **Jury Feedback:** Judges provided constructive feedback to refine prototypes, optimize software architecture, and align solutions with industry standards before final submission to the national SIH portal.

5. Event Visual Documentation

Below is the formal visual compilation documenting the key proceedings of the SIH 2026 Internal Hackathon at GEC Bhavnagar:

Event Summary Graphic

Photo Gallery

Photo	Description
	**Jury Reviewing Student Presentation**: Faculty members evaluating student concepts and reviewing technical documentation.

Photo	Description
	**Software Application Demo**: Students presenting mobile/web solution workflows to evaluating faculty.
	**Hardware Prototype Demonstration**: Team demonstrating a custom robotic/embedded system prototype to the jury.

Photo	Description
	**Mentorship Session**: Faculty giving actionable inputs to refine project scope.
	**Organizing Team & Jury Panel**: SSIP coordinators and jury members following successful event execution.
	**Active Hall Discussion**: Detailed technical interaction between jury and multiple participating teams.

Photo	Description
	**Project Evaluation in Room 403**: Teams presenting solution architecture to evaluation judges.
	**Interactive Q&A**: Jury probing prototype feasibility and implementation details.

6. Registration & Participation Details

- **Total Registered Teams:** 33 Teams
- **Total Student Participants:** 198 Students (6 members per team)
- **Problem Statements Addressed:** 33 Unique Problem Statements

Summary Table of Registered Teams

Sr. No.	PS Number of Problem Statement	Problem Statement Title	Name of Team Leader / Member	M/F	Steam/Branch
1	SIH26154	Gen AI Platform for Automated Content Transformation	Nyusi Patel (Team Leader)	F	Comp
			Soni Rajput (Member 1)	F	Computer
			UtprekshaGohil (Member 2)	F	ICT
			ChandrajitsinhDodiya (Member 3)	M	Computer
			Meet Gohil (Member 4)	M	IT
			Het Kanjariya (Member 5)	M	Computer
2	SIH26039	AI-Powered Underground Mine Safety, Monitoring and Rescue System.	Niyati Chauhan (Team Leader)	F	ICT
			Sarthak Dave (Member 1)	M	EC
			TishaVaghasiya (Member 2)	F	Computer
			Manush Patel (Member 3)	M	EC
			DevanshVala (Member 4)	M	EC
			Hirva Parekh (Member 5)	F	EC
3	SIH26034	Software System to check compliance of Packaged Commodities under Legal Metrology	AgharaHetansh (Team Leader)	M	IT
			Sonani Trisha Rajeshkumar (Member 1)	F	IT
			ShihoraKhushi (Member 2)	F	IT
			VIRANI HIR PIYUSHBHAI (Member 3)	F	Computer
			Solanki Tarjani (Member 4)	F	ICT
			BarevadiyaRushi (Member 5)	M	IT
4	SIH26068	WeatherGPT Conversational AI for Weather Forecasting, Alerts, and Climate Information	Krishsutariya (Team Leader)	M	Comp
			Smit chavda (Member 1)	M	Computer
			Navadiya om (Member 2)	M	Computer
			Arjun vegad (Member 3)	M	Computer
			Parmitrivedi (Member 4)	F	Computer
			Diya patel (Member 5)	F	Computer
5	SIH26090	AI-Driven Market Linkage and Smart Cataloging Mobile Application for Marginalized Artisans	DraviDaksheshbhaiDoshi (Team Leader)	F	Comp
			Twisha Parikh (Member 1)	F	Computer
			NishthaKanani (Member 2)	F	IT
			Sujal R valsur (Member 3)	M	Computer
			Mantra Mehta (Member 4)	M	Computer
			VrundaVadgama (Member 5)	F	Computer

6	SIH26047	Patient Case-Taking Software	HingukevalRameshbhai (Team Leader)	M	IT
			ParmarTarunVinodbhai (Member 1)	M	IT
			BaraiyaNileshLaxmanbhai (Member 2)	M	IT
			Soni Jay Anandkumar (Member 3)	M	IT
			MakwanaHarshilRameshbhai (Member 4)	M	IT
			SoniJanviTejasbhai (Member 5)	F	IT
7	SIH26089	Cooperative Gig Services Platform for Household & Community Services	PRAJAPATI SANDIPBHAI JAMABHAI (Team Leader)	M	Comp
			Mahim B Jani (Member 1)	M	Computer
			GOHEL YUVRAJ VIJAYBHAI (Member 2)	M	EC
			VAIBHAV V TRIVEDI (Member 3)	M	Computer
			Shreya Jayeshbhai Chauhan (Member 4)	F	Computer
			Chauhan Mansi RajendraKumar (Member 5)	F	Computer
8	SIH26034	Software System to check compliance of Packaged Commodities under Legal Metrology(Packaged Commodities) Rules, 2011 by scanning products, images and labels.	Mahi Dodiya (Team Leader)	F	IT
			KumkumSiddhapura (Member 1)	F	IT
			SARVAIYA HARSHALI (Member 2)	F	IT
			RATHOD JAY (Member 3)	M	IT
			JadejaVishveshsinh (Member 4)	M	IT
			Masrani Swayam (Member 5)	M	IT
9	SIH26026	Development of Mobile (Quadruped)/Handheld Device/System for Real-Time Detection of Narcotics and Explosives across Indian Railways.	Pratik Khambhadiya (Team Leader)	M	Mechanical
			Sakshibambhaniya (Member 1)	F	Mechanical
			Rasikchauhan (Member 2)	M	Mechanical
			Nikita Jani (Member 3)	F	Civil
			Vasu Maradiya (Member 4)	M	Mechanical
			Virendrasinhdabhi (Member 5)	M	Mechanical
10	SIH26091	AI-Driven Hyper-Local Business Advisory and Financial Structuring Assistant for Rural Micro-Entrepreneurs	Ashish Nathani (Team Leader)	M	Comp
			Krishmandanaka (Member 1)	M	Computer
			Shubhamgohil (Member 2)	M	Computer
			Jainammodi (Member 3)	M	Computer
			Ruchitvegad (Member 4)	M	Computer
			Kinjal (Member 5)	F	Computer
11	SIH26212	Student Innovation-Solutions could be in the form of waste segregation, disposal, and improve sanitization system.	Hirpara Om Pareshbhai (Team Leader)	M	EC
			Limbanirudrapravinbhai (Member 1)	M	Mechanical
			VekariyaManthanGaneshbhai (Member 2)	M	EC
			KachhadiyaRajviRambhai (Member 3)	F	EC
			GadhiyaShrutiManishbhai (Member 4)	F	EC

			ViroliyaHetviJayeshkumar (Member 5)	F	EC
12	SIH26135	Difficulties in tracking employment outcomes,skill gaps, and the impact of skilling initiatives	Parikh PranayHimanshubhai (Team Leader)	M	Comp
			Bhatt Jayti Hitesh (Member 1)	F	Computer
			VYAS KHANJAN JIGNESHBHAI (Member 2)	M	Computer
			VIDHI DINESHBHAI PADDHARIYA (Member 3)	F	ICT
			CHAUHAN TIRTHRAJ TUSHARBHAI (Member 4)	M	ICT
			MEHTA BHAVYA VIRESHBHAI (Member 5)	M	ICT
13	SIH26040	“Smart Water Purification and Quality Monitoring System for Rural and Mining-Affected Areas”	SOLANKI DHRUV (Team Leader)	M	EC
			KHUSHI RAVAL (Member 1)	F	EC
			BHAVI BARBHAYA (Member 2)	F	EC
			KAVAN KANAKIYA (Member 3)	M	EC
			SANGHAVI JAY (Member 4)	M	IT
			TRIVEDI YATHARTH (Member 5)	M	Mechanical
14	SIH26172	Low Latency and Efficient Voice Activator for Edge Devices	UtsavDobariya (Team Leader)	M	IT
			DevanshibaJadeja (Member 1)	F	IT
			JeelKanzariya (Member 2)	F	IT
			AnshDak (Member 3)	M	IT
			Solanki Dhyey (Member 4)	M	IT
			MobhUtsav (Member 5)	M	IT
15	SIH26138	Quantum-Inspired Fuel Consumption Prediction and Green Fleet Optimization	MakwanaBansiAmrutlal (Team Leader)	F	ICT
			KatariyaDarshakRajeshbhai (Member 1)	M	IT
			KhambhayataRushangiSanjaybhai (Member 2)	F	IT
			Acharya YashkumarDipakbhai (Member 3)	M	IT
			MakwanaJanaviGiteshkumar (Member 4)	F	IT
			Joshi DhruvNatubhai (Member 5)	M	IT
16	SIH26005	Solar-Powered Smart Mini Cold Storage System for Fresh Vegetables in North Eastern Region	ShethHitarthMahendrabhai (Team Leader)	M	Mechanical
			JadavPrincerajsinhMahendrasinh (Member 1)	M	Mechanical
			Jambucha Jay Bhaveshbhai (Member 2)	M	Mechanical
			MandaviyaYashUmeshbhai (Member 3)	M	Mechanical
			BaraiyaYashaswi H. (Member 4)	F	Civil
			KadriYominfatemaMohsinbhai (Member 5)	M	Mechanical
17	SIH26180	A field-deployable AI-powered Smart Farming Assistant that helps farmers detect crop diseases,pests, nutrient	Madhvi J Parmar (Team Leader)	F	ICT
			AnujKataria (Member 1)	M	EC
			Jajdajenish (Member 2)	M	EC
			Bhanderisneh (Member 3)	M	EC
			KhushiGadhadara (Member 4)	F	EC

		deficiencies,and irrigation needs at an early stage,.	NivaLathiya (Member 5)	F	EC
18	SIH26007	Safe and Efficient Operation of Mine Vehicles in Fog and Low-Visibility Conditions in Open Cast Iron Ore Mines.	TirthRangholiya (Team Leader)	M	EC
			ParthivRathod (Member 1)	M	EC
			DhyeyKansara (Member 2)	M	EC
			PrathamPitroda (Member 3)	M	EC
			Fenichaudhary (Member 4)	F	EC
			Jiyasanghavi (Member 5)	F	EC
19	SIH26177	A deployable AI-powered autonomous drone that aids search-and-rescue operations by detecting people and hazards, thereby improving responder safety and reducing victim discovery time.	Maithili Dabhi (Team Leader)	F	EC
			Krupa Siddhapura (Member 1)	F	EC
			GohilSaumyarajsinh v. (Member 2)	M	EC
			hiranidevarsh (Member 3)	M	EC
			katakiyasneh (Member 4)	M	EC
			gohiljyotirmaysinh (Member 5)	M	EC
20	SIH26039	AI-Powered Underground Mine Safety, Monitoring and Rescue System.	MAHETA AUM JITENDRABHAI (Team Leader)	M	EC
			PrishaChetanOza (Member 1)	F	EC
			Trivedi SoumyaMiteshbhai (Member 2)	M	EC
			SorathiyaManthanBharatbhai (Member 3)	M	EC
			VaghasiyaVedNileshbhai (Member 4)	M	EC
			SankaliyaVivekMukeshbhai (Member 5)	M	EC
21	SIH26136	Startup friendly public procurement mechanism that enables government departments to identify, pilot, procure, and scale innovative solutions from eligible startups.	DelishaMansuri (Team Leader)	F	ICT
			PitrodaJenish (Member 1)	M	ICT
			SarvaiyaMitrajsinh (Member 2)	M	IT
			Goplani Diya (Member 3)	F	IT
			DabhiMahek (Member 4)	F	ICT
			Chauhan Prayut (Member 5)	M	ICT
22	SIH26180	Plant disease detection and cure suggestions	PiprotarAyush (Team Leader)	M	EC
			Abhishek Koradiya (Member 1)	M	EC
			Sadhanasolanki (Member 2)	F	EC
			Dharakalsariya (Member 3)	F	EC
			Takshakzanzrukiya (Member 4)	M	EC
			PushparajsinhChudasama (Member 5)	M	EC
23	SIH26003	AI-Based Cognitive Gaming and Memory Assistance Platform for Elderly Dementia Patients in North Eastern Region(NER)	Patel DhruviDilipbhai (Team Leader)	F	Comp
			Makwana Dimple Chandubhai (Member 1)	F	Computer
			UpadhyayKshipraMayankbhai (Member 2)	F	Computer
			Patel DivyaMukeshbhai (Member 3)	F	Computer
			JalaliMuskan (Member 4)	F	Computer

			RakholiyaKrushaBhikhubhai (Member 5)	F	Computer
24	SIH26236	AI-BASED INTELLIGENT FOOD PACKAGING MATERIAL RECOMMENDATION SYSTEM FOR FOOD COMMODITIES	ParthHitendrabhaiBhut (Team Leader)	M	Comp
			SohamMukeshbhaiPanot (Member 1)	M	Computer
			NidhiBharatbhaiParmar (Member 2)	F	Computer
			YashviHiteshbhai Joshi (Member 3)	F	Computer
			RiddhiSandipbhai Pandya (Member 4)	F	Computer
			HardikLilabhaiMavadiya (Member 5)	M	EC
25	SIH26234	AI-Powered Smart Food Waste Reduction & Sustainable Redistribution Ecosystem	GohelKrishKetanbhai (Team Leader)	M	Comp
			NakumVishwarajKaranbhai (Member 1)	M	Computer
			ParmarKavyaHarishbhai (Member 2)	F	Computer
			KaloliyaKhushaliShantibhai (Member 3)	F	Computer
			Shaikh MahinbanuMahammadirfan (Member 4)	F	Computer
			ParmarJahnaviKanubhai (Member 5)	F	IT
26	SIH26187	AI-Based Intelligent Video Analytics Platform for Border Surveillance using existing CCTV Infrastructure	Savaniya Meet Rajeshbhai (Team Leader)	M	Comp
			DholakiyaAkashMilanbhai (Member 1)	M	Computer
			GohilYashpalsinh (Member 2)	M	Computer
			Chauhan Krupanshi (Member 3)	F	Computer
			Khunti Hiren (Member 4)	M	Computer
			ChavadaBhargav (Member 5)	M	IT
27	SIH26031	Quality assessment and grading of onions are often subjective and vary across procurement centers, resulting in disputes and inconsistencies.	Solanki MohmadArhanSafibhai (Team Leader)	M	Comp
			AmbaliyaVaibhavKetanbhai (Member 1)	M	Computer
			JalelaDhruvitGunvantbhai (Member 2)	M	Computer
			Kaldoriya Arman Irfanbhai (Member 3)	M	Computer
			AnsalFeniNareshbhai (Member 4)	F	Computer
			Karena Neha Dipakbhai (Member 5)	M	Computer
28	SIH26103	Use case on web-based integrated project-monitoring platform	KHYATI GAJARIA (Team Leader)	F	ICT
			Prarthnaba B Jadeja (Member 1)	F	ICT
			Hanishchoubisa (Member 2)	M	ICT
			Dhruv S Thiyya (Member 3)	M	ICT
			Netri V Siddhpura (Member 4)	F	ICT
			Harshil Pandya (Member 5)	M	ICT
29	SIH26089	Cooperative Gig Services Platform for	HardattsinhZala (Team Leader)	M	Comp
			Jay Dholu (Member 1)	M	Computer

		Household & Community Services	Pratik Dholakiya (Member 2)	M	Computer
			VirajUmraniya (Member 3)	M	Computer
			Krisha Shah (Member 4)	F	Computer
			YeshaBuha (Member 5)	F	ICT
30	SIH26076	Development of personalized homepage for 'Mausam' mobile application	NarigaraJenishJayeshbhai (Team Leader)	M	IT
			Rathod Meet Vinodbhai (Member 1)	M	ICT
			RathodYuvrajRaghubhai (Member 2)	M	ICT
			BaraiyaKhushiJigneshbhai (Member 3)	F	ICT
			NavadiyaSanskrutiBhaveshbhai (Member 4)	F	IT
			ChoureyAarjuBipinbhai (Member 5)	F	IT
31	SIH26133	Accessibility and quality of public healthcare services,particularly in rural and underserved areas.	Patel Mayank Kumar Rajeshbhai (Team Leader)	M	Comp
			VishakhaRiteshbhaiRathod (Member 1)	F	Computer
			PithvaDakshitPareshbhai (Member 2)	M	Computer
			YogineeThakar (Member 3)	F	IT
			Gargi Vyas (Member 4)	F	Computer
			Kris Chudasama (Member 5)	M	IT
32	SIH26207	Student Innovation-Smart education,a concept that describes learning in digital age. It enables learners to learn more effectively, efficiently, flexibly and comfortably.	Bambhaniya Milan R. (Team Leader)	M	IT
			Parmar Mitul D. (Member 1)	M	IT
			Solanki Rohit S. (Member 2)	M	Computer
			VanshNikul H. (Member 3)	M	ICT
			Pandya Darpan A. (Member 4)	M	ICT
			ChudasamaHemangi B. (Member 5)	F	ICT
33	SIH26100	AI-Powered Integrated Bid Compliance Verification Platform for GeM Procurement.	Patel Mayank Kumar Rajeshbhai (Team Leader)	M	Comp
			VishakhaRiteshbhaiRathod (Member 1)	F	Computer
			PithvaDakshitkumarPareshbhai (Member 2)	M	Computer
			YogineeThakar (Member 3)	F	IT
			Gargi Vyas (Member 4)	F	Computer
			Kris chudasama (Member 5)	M	IT

7. Conclusion

The SIH 2026 Internal Hackathon at GEC Bhavnagar concluded successfully at 5:00 PM. The event provided a robust platform for engineering students to translate academic concepts into practical solutions. The top-performing teams identified during this internal screening will move forward to represent Government Engineering College, Bhavnagar at the national level of the Smart India Hackathon 2026.

8. Social Media

https://www.instagram.com/p/DdI4IfiEtBB/?stkn=bXNocGMwNmVjZjFo

https://www.facebook.com/share/p/19Cpt6o16h/