2025-26

GOVERNMENT ENGINEERING COLLEGE, PALANPUR (061)

STUDENT START-UP & INNOVATION POLICY [SSIP 2.0] & INSTITUTE INNOVATION COUNCIL [IIC]

"Government Engineering College, Palanpur" (GECPL), operates under the aegis of Government of Gujarat (established in the year 2009). It is affiliated to Gujarat Technological University, Ahmedabad and is also approved by All India Council of Technical Education (AICTE), New Delhi. GECPL provides a dynamic and supportive environment in which faculty and staffs continuously grow intellectually and professionally.

Our Vision is to be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development. Our mission is to achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure. To create an ecosystem that promotes value based technical education, innovation and entrepreneurship for sustainable development. To contribute to industry and society by providing technical and consultancy services. To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

In above context, Student Start-up & Innovation Policy [SSIP 2.0] committee & Institute Innovation Council [IIC] committee of Government Engineering College, Palanpur has organized **"Internal Hackathone"** on date 22th and 23rd September 2025, for the students of Semester I Program. The Internal Hackathon for Smart India Hackathon (SIH) 2025 was successfully organized at Government Engineering College, Palanpur. The event witnessed enthusiastic participation from 19 registered student teams, each presenting their innovative problem statements, prototypes, and ideas.

A special highlight of the event was the active involvement of our HOD's from all department, who personally visited all 19 groups during the hackathon. HODs interacted with the participants, offered valuable suggestions, and motivated them with his encouraging words. His presence greatly inspired the students and added significant value to their innovative journey.

Principal Sir admired the dedication, creativity, and teamwork of the participants. He also appreciated the faculty mentors and jury members for their constructive role in guiding the students. The interaction created a highly positive and enthusiastic atmosphere, boosting the morale of all teams.

The hackathon provided a strong platform for students to sharpen their innovation, coding, and presentation skills, while also preparing them for the forthcoming Smart India Hackathon 2025. The event concluded with words of appreciation for all participants, along with the assurance of continued mentoring and support to refine their ideas for higher-level competitions.

Judging Process:

Objective

To identify and nominate the top innovative teams from the college to represent the institution in the Smart India Hackathon 2025.

Jury Formation

The SPOC will form a jury panel comprising:

Head of Department from relevant departments

Academicians with domain knowledge

Judging Criteria

Teams will be evaluated based on the following criteria:

Criteria	Weightage	Description
Innovation & Creativity	25%	Originality and novelty of the idea
Feasibility & Practicality	20%	Practical implementation potential
Technical Complexity	20%	Use of advanced tools/technologies
Impact & Relevance	15%	Social/economic/environmental impact
Clarity of Presentation	10%	Clear idea explanation and documentation
Teamwork & Collaboration	10%	Effective team coordination and roles

Judging Process Flow

Idea Submission → Teams submit ideas in prescribed format.

Presentation Round → Teams pitch their idea (5–7 minutes).

Q&A Session → Jury asks questions (3–5 minutes).

Demo/Prototype (if available) → Working model or proof of concept.

Scoring → Jury scores each team based on the judging criteria.

Ranking → Top teams are shortlisted based on total scores.

Jury Members Details

Sr. No.	Name	Designation	Branch
1.	**Dr. D. M. Patel** Dr. D. M. Patel is a Professor and Head of the Mechanical Engineering Department at Government Engineering College, Palanpur, Gujarat. He holds M.Tech and Ph.D. qualifications and leads the department in academic, administrative, and developmental activities, including curriculum design, faculty guidance, and student mentoring. His office is located in Room 5001, Building No. 5, and he can be reached at dmp@gecpalanpur.ac.in. Along with departmental leadership, he is also associated with institutional initiatives such as the Student Startup & Innovation Policy (SSIP), contributing to innovation and entrepreneurship development among students.	Professor and Head	Mechanical Engineering
2.	**Dr. R. H. Jaiswal** Dr. Rajyalashmi H. Jaiswal is an Associate Professor in the Computer Engineering department at Government Engineering College, Palanpur, Gujarat. She teaches courses such as Information Security, Cyber Security, Digital Forensics, Internet of Things (IoT), and Object-Oriented Programming (OOP), which are also her areas of interest. Her contact details are Cabin No. 8001 in Building No. 8, and her email is rhj@gecpalanpur.ac.in. She has about 26 years of experience in her field.	Associate Professor and Head	Computer Engineering
3.	**Dr. A. M. Patel** Dr. A. M. Patel is an Associate Professor and Head of the Electrical Engineering Department at Government Engineering College, Palanpur, Gujarat. He earned his Ph.D. in Electrical Engineering from IIT Roorkee in 2019, following an M.E. in Power Systems from L.D. College of Engineering, Ahmedabad, and a B.E. in Electrical Engineering from GEC Bhuj. With academic and industry experience spanning nearly two decades, he has served in various teaching positions at GEC Patan, L.C. Institute of Technology, and in industry at Nirma Ltd., before joining GEC Palanpur in 2013. His teaching covers power systems, renewable energy, switchgear, protection, and electric/hybrid vehicles. His areas of expertise include renewable	Associate Professor and Head	Electrical Engineering

	resource assessment, power system optimization, techno-economic analysis, and software-based statistical modeling. Research-wise, he focuses on integrated renewable energy systems, distributed generation (on-grid and off-grid), and decision-making tools for engineering applications. Alongside academics, he contributes actively to institutional development, serving as convener for several committees, including NBA, alumni association, anti-ragging, and academic inspection. He is also a life member of the Indian Society for Technical Education (ISTE).		

Evaluation Responsibilities of Jury members are as follows:

1. Evaluate team pitches during the final presentation round, focusing on problem understanding, innovation, technical execution, and applicability.
2. Score entries using a structured evaluation matrix aligned with pre-defined criteria.
3. Provide detailed feedback and recommendations for pilot support, refinement, or further development, especially for top-performing solutions with real-world potential.
4. Shortlist the most promising ideas and finalize the top solutions for recognition and potential implementation.

Nominated Top Teams

Sr. No.	Problem statement from SIH 2025
1	25004-lmage based breed recognition for cattle and buffaloes of India
2	Student Innovation(Theme - Heritage & Culture)
3	Ayurveda for de-addiction
4	SIH25004-lmage based breed recognition for cattle and buffaloes of India
5	PID: 23 AyurSutra- Panchakarma Patient Management and therapy scheduling Software
6	25002-Smart Tourist Safety Monitoring & Incident Response System using Al, Geo-Fencing, and Blockchain-based Digital ID
7	SIH25031Crowdsourced Civic lssue Reporting and Resolution System
8	Research and redesign a sport equipment commonly found in sport industry and utilize Fusion software to reimagine its design. Students can use Fusion Features such as Generative Design, Topology Optimization, Additive Build etc. The redesigned component should showcase innovation, enhanced functionality, and improved efficiency, all while being optimized for 3D printing.
9	AI-Based Farmer Query Support and Advisory System (SIH25076)
10	ERP-based Integrated Student Management system
11	Smart traffic management system for urban congestion
12	temple and pilgrimage crowd management (somnath, dwarka, Ambaji, Pavagadh)
13	Al-Powered Mobile Platform for Democratizing Sports Talent Assessment

Social Media Promotions:

1. https://x.com/gecpalanpur2009/status/1970060305481847290

2. https://www.instagram.com/p/DO5lGo7iJ-I/?img_index=1

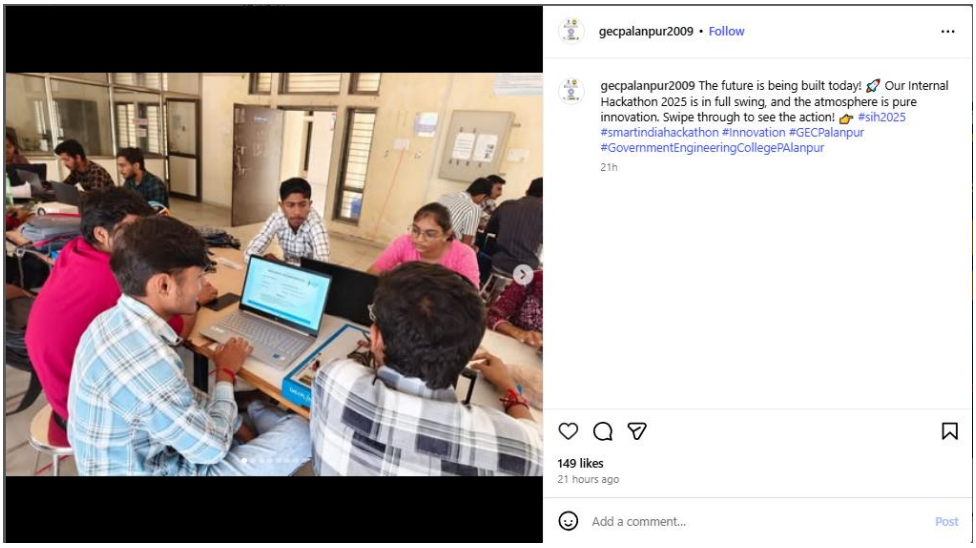

Photo Gallery


HAPPY SMILES


SMART INDIA HACKATHON 2025
HAPPY SMILE

Total participating teams & students

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9	AI-Based Farmer Query Support and Advisory System (SIH25076)
10	Public feedback information and suggestions for power utility system
11	ERP-based Integrated Student Management system
12	Smart traffic management system for urban congestion
13	temple and pilgrimage crowd management (somnath, dwarka, Ambaji, Pavagadh)
14	Universal Smart Electric Vehicle (EV) charging infrastructure
15	Automated Student Attendance Monitoring and Analytics System for Colleges
16	Design and Implementation of Solar-Powered Dewatering in Mining Operations.
17	AI-POWERED MOBILE PLATFORM FOR DEMOCRATIZING SPORTS TALENT ASSESSMENT
18	Smart waste segregation & recycle system
19	Automated Attendance System for Rural Schools

Total 19 team registered with 114 students participated

Report Prepared by:

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Assistant Professor,
SSPI/IIC Committee Member,
Government Engineering College, Palanpur