Internal Hackathon Report
Smart India Hackathon (SIH) 2025

INTERNAL
**SMART INDIA
HACKATHON
2025**

Organized by: StartUp Cell, LNJPIT Chhapra

Date of Event: 16th to 19th September 2025

Venue: Multi Purpose Hall, Lab Building, LNJPIT Chhapra

Prepared by: Prof. Sudhir Kumar Pandey

Posters for promotion of Internal Hackathon, SIH 2025

Inauguration Ceremony

Internal Hackathon Report
Smart India Hackathon (SIH) 2025

About SIH 2025

The Smart India Hackathon (SIH) is an annual nationwide competition in India that focuses on solving real-world problems through innovation and technology. It is organized by the Ministry of Education, Government of India, and coordinated by various educational institutions, government departments, and industry partners.

The primary aim of the Smart India Hackathon is to harness the creative and technical skills of students to address pressing challenges faced by government and industry. Furthermore, the previous editions of SIH2017, SIH2018, SIH2019, SIH2020, SIH2022, SIH2023, and SIH2024 proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India. The Smart India Hackathon is a significant initiative that encourages innovation, problemsolving, and collaboration among students, academia, and industry.

It aligns with the government's vision of fostering a culture of innovation and entrepreneurship in the country while addressing critical societal issues.

About the Event

To identify and nurture the best talent, **Loknayak Jai Prakash Institute of Technology**, Chapra, Bihar-841302 organized an Internal Hackathon from **16th September 2025 to 19th September 2025** from 10:00 am to 04:30 pm at Multi Purpose Hall. The primary objective was to select the most innovative and feasible solutions from our students, which would then be nominated to participate in the SIH 2025 nodal round.

The event started with inspiring words from **Dr. Bimal Kumar**, Principal of Loknayak Jai Prakash Institute of Technology who addressed the students and insisted the importance of Smart India Hackathon 2025.

Institute SPoC SIH 2025, **Mr. Sudhir Kumar Pandey**, Assistant Professor of the Department of Computer Science and Engineering gave a brief introduction about SIH 2025. He demonstrated various problem statements of SIH 2025 under different organizations and also explained the evaluation guidelines clearly. SPoC also pursued on how to reach the grand finale of SIH 2023 and prize money.

The faculty coordinators of each department were part of the orientation event. The winners of this hackathon were selected by the external jury members to represent the college at Nationals.

Event Details

- Date: **16th to 19th September 2025**
- Mode: **Offline**
- Total Teams Participated: **18**
- Total Participants: **108**
- Total Male Participant: **72**
- Total Female Participants: **36**
- Number of Software Problems Attempted: **15**
- Number of Hardware Problems Attempted: **1**

Faculty Coordinators

Each department nominated faculties on 11.09.2025 to make this event successful at all stages. They guided their students right from the registrations.

Sl. No.	Faculty Coordinator	Designation	Department
1.	Mr. Sudhir kr. Pandey	Assistant Professor	CSE
2.	Dr. Shambhu Shankar	Assistant Professor	CSE
3.	Dr. Zafer Ayub Ansari	Assistant Professor	EEE
4.	Dr. Umesh Choudhary	Assistant Professor	EEE
5.	Mr. Aditya Raj	Assistant Professor	CE
6.	Mr. Abhishek Choubey	Assistant Professor	CE
7.	Mr. Navneet Kumar	Assistant Professor	ME
8.	Ms. Sarika Kumari	Assistant Professor	ME
9.	Mr. G. K. Prajapati	Assistant Professor	Applied Science
10.	Miss Surbhi Singh	District StartUp Coordinator	StartUp Cell

Student Coordinators

The institute SPoC, Mr. Sudhir Kumar Pandey Nominated few Student Coordinators to make this event Successful.

Name	Department	Registration No.	Email
Alok Ranjan	EEE	22110117024	alok620617@gmail.com
Vishwajeet Kumar	CSE	23105117042	mailme.wivk@gmail.com
Vishal Kumar Mahto	CSE	23105117019	vishalkumarsksk123@gmail.com
Sushant Sharma	EEE	23110117032	shusantsharma25@gmail.com

Judges Panel

Name	Designation	Mobile	Email
Ms. Soniya Rohhila	Asst. Prof., CSE	7478007288	soniyarohilla4@gmail.com
Mr. Jitendra Kumar	Asst. Prof., CSE	9661846424	jitendra220296cse@gmail.com
Dr. Anurag Tiwari	Asst. Prof., EEE	9425118692	a.twr23@gmail.com
Mr. Aditya Ranjan	Asst. Prof., EEE	7566248301	theadiraj@gmail.com
Mr. Vaibhav Mishra	Asst. Prof., CE	9608720983	wtv20649@gmail.com
Mr. Ajit Kumar Chauhan	Asst. Prof., ME	8005169582	ajit05me05@gmail.com
Ms. Bharti Kumari	Asst. Prof., ME	8553684521	bhartikumari299@gmail.com
Dr. Atul Kumar Tiwari	Asst. Prof., AS	7607102378	atulkt23@gmail.com

Schedule of the Event

The event began with a formal inaugural session where dignitaries addressed the participants, motivating them to think creatively. The day concluded with a valedictory session where results were announced, and certificates were distributed to winners and participants.

Date: 16th September 2025

Time	Activity
10:00 AM – 10:30 AM	Registration & Inauguration
10:30 AM – 11:00 AM	Briefing about SIH and Problem Statements
11:00 AM – 04:30 PM	Idea Presentation & Evaluation
04:30 PM – 05:00 PM	Shortlisted Result Announcement & Valedictory

Problem Statements

Participants worked on diverse problem statements across multiple domains including:

- Artificial Intelligence / Machine Learning
- Internet of Things (IoT)
- Web & Mobile Application Development
- Agriculture & Rural Development
- Healthcare & Social Innovation
- Heritage and Tourism, etc

Each of the 18 teams selected a problem statement of their choice and proposed innovative solutions within the given time frame.

1. Team STRIKERS
25008 - Disaster Preparedness and Response Education System for Schools and Colleges.

2. Team Quantum Crew
25074 - AI-Powered Personal Farming Assistant for Kerala Farmers.

3. Team Zenith
25073 - Al-Powered Mobile Platform for Democratizing Sports Talent Assessment

4. Team Silicon Soil
25030 - Al-Based Crop Recommendation for Farmers

5. Team Logic Byte
25132 - Student Innovation - Technology ideas in tertiary sectors like Hospitality, Financial Services, Entertainment and Retail.

6. Team Solution squad
25137 - Student Innovation - A solution/idea that can boost the current situation of the tourism industries including hotels, travel and others.

7. Team TechnoSparx
25017 - Digital Platform for Centralized Alumni Data Management and Engagement

8. Team RuralPact
25012 - Automated Attendance System for Rural Schools

9. Team INNOVOLT
25063 - Developing a cost effective solution for detecting the breakage of Low Voltage AC Distribution Over Head conductors

10. Team Logic Knights
25048 - Gamified Learning Platform for Rural Education

11. Team Ultimate warrior
25060 - Real life solutions for Waste Management.

12. Team Tech Yodhhas
25091 - AI-Based Timetable Generation System aligned with NEP 2020 for Multidisciplinary Education Structures

13. Team Tech Saarthi
25011 - Smart Curriculum Activity & Attendance App

14. Team KrishCoders
25016 - Automated Student Attendance Monitoring and Analytics System for Colleges

15. Team TechSpark
25060 - Real life solutions for Waste Management.

16. Team PathFinders
25082 - Development of a travel related software app that can be installed on mobile phones that could capture trip related information

17. Team Innov8ors
25030 - Al-Based Crop Recommendation for Farmers

18. Team BackBenchers
25028 - Smart Classroom & Timetable Scheduler

Evaluation Process

To ensure fairness and transparency, the evaluation process was conducted by a panel of expert judges. Each team was given 15 minutes (10 minutes for presentation and 5 minutes for Q&A). Judges scored the teams based on predefined rubrics covering:

- Innovation & Creativity
- Technical Feasibility & Implementation Approach
- Relevance & Impact of Solution
- Scalability & Sustainability
- Quality of Presentation & Communication

At the end of the session, scores were compiled and winners were declared based on the highest cumulative score.

Outcome of the Event

After rigorous evaluation, the following teams were declared winners:

Position	Team Name	Problem Statement
1st Place	Logic Knights	25048 - Gamified Learning Platform for Rural Education
2nd Place	Tech Yodhhas	25091 - AI-Based Timetable Generation System aligned with NEP 2020 for Multidisciplinary Education Structures
3rd Place	Zenith	25073 - Al-Powered Mobile Platform for Democratizing Sports Talent Assessment

Apart from the winners, several teams received special mentions for their unique approaches and potential for real-world impact. The event also helped identify strong interdisciplinary teams who are expected to perform well in the national round.

A total of [**18 final list + 0 waiting list**] teams were shortlisted to represent the College in the SIH 2025 nodal round.

Highlights & Achievements

- 18 teams participated enthusiastically, showcasing innovative ideas.
- Participation from first-year to final-year students promoting cross-level collaboration.
- Judges appreciated the diversity of solutions and the technical depth presented.
- Judges shared valuable feedback, which will help improve solutions before SIH submission.
- The event encouraged students to think critically and work collaboratively under time constraints.
- The event served as a motivation booster for students interested in innovation and entrepreneurship.

Feedback & Testimonials

Both participants and judges provided highly positive feedback about the event. Students appreciated the opportunity to work under pressure, while judges praised the creativity and enthusiasm demonstrated by the participants.

Photographs

photos and videos of SIH-2025 Internal Hackathon of Loknayak Jai Prakash Institute of Technology, Chapra can seen from the following link:

https://drive.google.com/drive/folders/1-XlySLKP4C6jlcRpp3_pDG4S0GUNg_ut?usp=drive_link

Social Media Promotion Link & SnapShot

Sl. No.	Social Media Platform	Link
1.	Instagram	https://www.instagram.com/p/DOojMMriABG/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFlZA== https://www.instagram.com/p/DO1GOJ0kx9m/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFlZA==
2.	LinkedIn	https://www.linkedin.com/posts/startupcell-lnjpit-126168320_smartindiahackathon2025-sih2025-innovation-activity-7373428676975099905-b1VA?utm_source=share&utm_medium=member_desktop&rcm=ACoAAERhNTQB2A9mY5tbWaOMeLZTI64UY1BEICw https://www.linkedin.com/posts/startupcell-lnjpit-126168320_sih2025-smartindiahackathon2025-activity-7377188035278368768-9JKg?utm_source=share&utm_medium=member_desktop&rcm=ACoAAERhNTQB2A9mY5tbWaOMeLZTI64UY1BEICw
3.	Twitter/X	https://x.com/scelllnjpit/status/1967662658049675703 https://x.com/scelllnjpit/status/1971421843509903584
4.	Facebook	https://www.facebook.com/share/p/16QCP9qmjQ/ https://www.facebook.com/share/p/19x449jgtm/

Media Coverage

Conclusion

The SIH 2025 Internal Hackathon successfully met its objectives of identifying innovative teams and preparing them for participation in the national hackathon. The collaborative spirit, technical creativity, and dedication shown by students were commendable.

We sincerely thank the management, faculty coordinators, judges, and student participants for their contributions in making this event a memorable and impactful experience. The shortlisted teams will now proceed to submit their ideas on the SIH portal for further rounds.

Overall the event was a great way to get our team members thinking creatively and working together to solve problems

Wishing all the best for our student teams to be a part of the Grand Finale of SIH-2023

SPOC, SIH 2025