



**AMITY**  
**UNIVERSITY**  
—PUNJAB—



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# **Report of Internal Smart India Hackathon 2025**

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**24<sup>th</sup> September 2025**



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



SMART INDIA  
HACKATHON  
2025



AMITY  
UNIVERSITY  
PUNJAB

# Amity University Punjab

*Sector 82A, IT City Road, Block D, Mohali, Punjab 140306, India*

*Website: [www.amity.edu/mohali](http://www.amity.edu/mohali)*

## Amity School of Engineering and Technology

### Report of Internal Smart India Hackathon 2025

*Held on 24/09/2025 (Wednesday)*

*Venue: MDP room (Ground Floor)*

*Mode of the Internal Hackathon: offline*

#### **AMITY UNIVERSITY PUNJAB**

Amity University in Mohali is the eleventh university campus founded by the Amity Foundation which is a not-for-profit organization. It has emerged as a hub of academic excellence that nurtures a group of bright students who share our mission to change the world, together. A multi-disciplinary university facilitating high-end research, Amity University Punjab offers courses in UG, PG, and Doctoral programmes. Many of our courses are run in collaboration with top-class global universities to bring together global opportunities and to provide our students with exposure to an international level of research-based education. Amity's presence in the state of Punjab aims to elevate the region to the education map of India.

**Smart India Hackathon (SIH)** is a premier nationwide initiative designed to engage students in solving some of the most pressing challenges faced in everyday life. Launched to foster a culture of innovation



and practical problem-solving, SIH provides a dynamic platform for students to develop and showcase their creative solutions to real-world problems. By encouraging participants to think critically and innovatively, the hackathon aims to bridge the gap between academic knowledge and practical application. The hackathon not only offers students an opportunity to showcase their skills but also encourages collaboration with industry experts, government agencies, and other stakeholders. SIH has garnered significant success in promoting out-of-the-box thinking among young minds, particularly engineering students from across India.

### About the Event

The **Internal Smart India Hackathon (SIH) 2025** was successfully organized at **Amity University Punjab** on **September 24, 2025**, marking a significant milestone in the university's commitment to fostering innovation, entrepreneurship, and problem-solving among students. The event was spearheaded by the **Texplore Club** in collaboration with the **IEEE Amity University Punjab Student Branch**, under the guidance of the **Institution Innovation Council (IIC)**.

The primary objective of the hackathon was to identify, mentor, and nominate the most promising student-led solutions to represent the university at the **National Level Smart India Hackathon 2025**, a flagship initiative by the Ministry of Education's Innovation Cell.

The event witnessed enthusiastic participation from **More than 30 teams**, comprising students from Amity School of Engineering and Technology. Each team tackled real-world problem statements with creativity, technical rigor, and a strong sense of social impact.

Throughout the day, the atmosphere was charged with energy, curiosity, and collaboration. Faculty mentors, student volunteers, and organizing committee members ensured smooth execution of the event, while participants showcased impressive prototypes ranging from AI-powered healthcare systems to smart agriculture solutions.

The Internal SIH 2025 not only served as a platform for technical excellence but also reinforced Amity University Punjab's vision of nurturing future-ready innovators capable of contributing meaningfully to society.



## Event Poster:

The poster features a header with logos of the Ministry of Education, AMITE, MoE's Innovation Cell, and the Smart India Hackathon 2025. The main title 'Amity University Punjab Internal Smart India Hackathon 2025' is centered in a dark blue semi-circle. Below it, the date '24 September, 2025' and timings '10:00am onwards' are listed. The IEEE and TexPlore logos are on the right. The slogan '“SMART INDIA HACKATHON 2025: IGNITING YOUNG MINDS FOR A BETTER TOMORROW”' is at the bottom. A footer contains social media handles for /texplore\_aup, /amityuniversitypunjab, /Amity University punjab, /Texplore club -- AUP, and /IEEE Amity University Punjab Student Branch.

Ministry of Education  
Government of India

AMITE

MoE's INNOVATION CELL  
(GOVERNMENT OF INDIA)

SMART INDIA HACKATHON 2025

AMITY UNIVERSITY PUNJAB

Internal Smart India Hackathon 2025

Date : 24 September, 2025  
Timings : 10:00am onwards

AMITY UNIVERSITY PUNJAB

TEXPLORE

IEEE

Amity University Punjab Student Branch

“SMART INDIA HACKATHON 2025: IGNITING YOUNG MINDS FOR A BETTER TOMORROW”

/texplore\_aup /amityuniversitypunjab /Amity University punjab /Texplore club -- AUP /IEEE Amity University Punjab Student Branch

The poster includes logos for AMITY, TexPlore, and IEEE. It details the event date as 24 September 2025 from 10:00 AM to 4:00 PM in the MDP Room. A QR code is provided for registration, with a deadline of 22 September 2025. A prize money of ₹ 1,50,000 is offered by the government for the grand finale. Domains include AI, IoT, Sustainability, and Healthcare. Team size is limited to 6 members, with at least one female. Interdisciplinary teams are encouraged. Contact information for the coordinator and student coordinator is provided. A footer lists social media handles for /texplore\_aup, /Texplore -- AUP, and /IEEE Amity University Punjab Student Branch.

AMITY

TEXPLORE

IEEE

Amity University Punjab presents

Internal Smart India Hackathon - 2025

24 September 2025  
10:00 AM - 4:00 PM  
MDP Room

Last date to register :  
22 September 2025

PRIZE MONEY  
(By the government, after winning grand finale)  
**₹ 1,50,000**

Domains: AI, IoT, Sustainability, Healthcare & more

Team Size: 6 members (at least 1 female), only from Amity University Punjab  
Interdisciplinary teams encouraged

Scan to register

Coordinator - Dr. Monika Sharti (SPOC) - +91 96467 05732  
Student Coordinator - Sukhmarjeet Singh (Texplore President & IEEE Student Branch Chairperson) - +91 78579 91807

/texplore\_aup /Texplore -- AUP /IEEE Amity University Punjab Student Branch



## Event Photos

### Screening Round 1 Glimpses



### Opening Remarks for Selection Round 2 by Prof (Dr.) Rajni Mohana, Dean of Amity School of Engineering and Technology





## Lamp Lightening – Inaugural Ceremony of Selection Round 2



## Jury members discussing the potential of ideas and giving suggestions regarding improvisation to the teams in Selection Round 2





## Participating Teams pictures

### Teams presenting their presentation and prototypes in Selection Round 2



### Faculty Coordinators and Student Team that made this Event Successful





### Acting Core Student Body for Coordinating the Event:



- **Sukhmanjeet Singh**, President of Texpire club and AUP IEEE Student Branch Chair.
- **Ananya**, AUP IEEE Student Branch Vice Chair.
- **Pallavi Sharma**, Vice President of Texpire club and AUP IEEE Student Branch Secretary.
- **Abhinadan Sambyal**, Marketing Coordinator of Texpire club and AUP IEEE Student Branch Treasurer.
- **Bhumi Arora**, Resource Management Coordinator of Texpire club
- **Sehajdeep**, Technology & Development Team Coordinator of Texpire club
- **Aryan Sharma**, Event Management Coordinator of Texpire club.
- **Vanshika, Tejveer & Jasleen** were the Anchoring Team for the event from the Event Management team of the Texpire club

## Judging Process

The judging process for the Internal Smart India Hackathon (SIH) 2025 at Amity University Punjab was conducted in two structured phases to ensure a fair, transparent, and comprehensive evaluation of all participating teams.

The hackathon was structured into two competitive rounds:

- **Screening Round (10:00 AM – 1:00 PM):** Each team was given a 10-minute window to present their ideas, prototypes, and implementation strategies before an internal jury panel comprising **18 judges**, organized into **three parallel slots** with **six judges per slot**. For each presentation, **two judges** were assigned to evaluate the team based on a structured rubric. The evaluation focused on key parameters including **originality of the idea, feasibility, clarity of presentation, and alignment with national innovation goals**.

| Time Slot                  | Panel 1                                       | Panel 2                                       | Panel 3                                        |
|----------------------------|-----------------------------------------------|-----------------------------------------------|------------------------------------------------|
| <b>10:00 AM – 11:00 AM</b> | Dr. Manish Mahajan<br>Dr. Vishwanath Bijalwan | Dr. Harvinder Singh<br>Dr. Vishan Kumar Gupta | Dr. Rakesh Kumar Sehgal<br>Dr. Himanshu Jindal |
| <b>11:00 AM – 12:00 PM</b> | Dr. Arpit Bajpai<br>Dr. Manish Mahajan        | Dr. Priya<br>Dr. Vishan Kumar Gupta           | Dr. Parampreet Kaur<br>Dr. Pancham Preet Kaur  |
| <b>12:00 PM – 1:00 PM</b>  | Dr. Aanshi Bhardwaj<br>Dr. Silky Sachar       | Dr. Kriti Rawal<br>Dr. Deepika Kamboj         | Dr. Ridhima Khokhar<br>Dr. Navjot Saini        |

- **Selection Round (2:00 PM – 4:00 PM):** The top 22 shortlisted teams advanced to the final round, where their solutions were critically evaluated by an esteemed external jury panel comprising senior scientists from **CSIR-Central Scientific Instruments Organisation (CSIO), Chandigarh** which included **Dr. Siddharta Sarkar, Principal Scientist, Center of Excellence for Intelligent Sensors and Systems(iSens) Assistant Professor, Academy of Scientific and Innovative Research (AcSIR)** and **Dr. Vipul Ghosh, Sr. Principal Scientist, Central Scientific Instruments Organisation, India**. This round focused on technical depth, scalability, innovation quotient, and the Selection round commenced with an inaugural address by **Prof. (Dr.) Rajni Mohana**, Dean of Amity School of Engineering & Technology, who emphasized the importance of interdisciplinary collaboration and innovation-driven learning. The presence of distinguished guests and judges from CSIR-CSIO added immense value, offering students a rare opportunity to present their ideas before leading minds in scientific research and development.

## Judging Sheet Template

**AMITY UNIVERSITY PUNJAB**  
INTERNAL SMART INDIA HACKATHON 2025

**EVALUATION SHEET**

|                   |  |                             |  |
|-------------------|--|-----------------------------|--|
| DEPARTMENT        |  | TEAM LEADER NAME            |  |
| TEAM NAME         |  | ACADEMIC MENTOR NAME        |  |
| SIH THEME         |  | ORGANISATION PRESCRIBING PS |  |
| SIH PS NUMBER     |  |                             |  |
| PROBLEM STATEMENT |  |                             |  |

| S. NO.                              | CRITERIA                                     | MAXIMUM MARKS       | MARKS AWARDED |
|-------------------------------------|----------------------------------------------|---------------------|---------------|
| 1                                   | Novelty of Idea                              | 15                  |               |
| 2                                   | Complexity                                   | 10                  |               |
| 3                                   | Clarity and details in the prescribed format | 15                  |               |
| 4                                   | Feasibility                                  | 10                  |               |
| 5                                   | Practicability                               | 10                  |               |
| 6                                   | Sustainability                               | 10                  |               |
| 7                                   | Scale of Impact                              | 10                  |               |
| 8                                   | User Experience                              | 10                  |               |
| 9                                   | Potential for Future Work Progression        | 10                  |               |
|                                     |                                              | <b>Total Score:</b> | <b>/ 100</b>  |
| Evaluator's Final Remarks/Feedback: |                                              |                     |               |

Evaluator's Signature

## Jury Panel Details

### Jury Panel Details – Internal SIH 2025

The Selection Round of the Internal Smart India Hackathon (SIH) 2025 was evaluated by a distinguished jury panel comprising experts from academia, scientific research. Their collective expertise ensured a rigorous and insightful assessment of the student innovations presented during the event.

#### External Experts:

- **Dr. Siddhartha Sarkar** Principal Scientist, Center of Excellence for Intelligent Sensors and Systems (iSenS) Assistant Professor, ACSIR CSIR-Central Scientific Instruments Organisation (CSIO), Chandigarh Ministry of Science & Technology, Government of India Dr. Sarkar brought deep insights into intelligent systems and sensor technologies, offering valuable perspectives on the technical feasibility and innovation quotient of each project.
- **Dr. Ripul Ghosh** Senior Principal Scientist, CSIR-CSIO SERB SIRE Fellow, Syracuse University, USA Advisor, IEEE Sensors Council at ACSIR CSIO With his international research experience and leadership in instrumentation science, Dr. Ghosh provided critical feedback on scalability, complexity, and real-world applicability of the solutions.

#### Institutional Leadership & Faculty Experts:

- **Prof. (Dr.) Rajni Mohana** (Professor & Dean, Amity School of Engineering and Technology, Amity University Punjab) As the academic head, Dr. Mohana emphasized the importance of innovation-driven learning and encouraged students to align their ideas with societal needs.
- **Prof. (Dr.) Sachin Sharma** (Professor and Head of School of Engineering and Technology, Amity University Punjab), Dr. Sharma encouraged students and help them in boosting their enthusiasm
- **Dr. Himanshu Jindal** (Associate Professor and Head of Department, Amity School of Engineering & Technology) Dr. Jindal focused on the technical depth and future progression potential of the projects, ensuring alignment with industry standards.
- **Dr. Monika Bharti** (Associate Professor, IEEE Branch Counselor, **SIH SPOC** & Program Coordinator (Computer Engineering) of Amity School of Engineering and Technology). Dr. Bharti



played a key role in mentoring student teams and assessing the clarity, documentation, and user experience aspects of each solution.

- **Prof. (Dr.) Puneet Mittal** (Professor, Amity School of Engineering and Technology, Amity University Punjab). Dr. Mittal Contributed in the coordination of whole event.
- **Dr. Rakesh Kumar Sehgal** (Deputy Director – Centre of Excellence (CyberSecurity)), Dr. Sehgal contributed to the evaluation with his extensive experience in engineering education and project-based learning.

Together, the jury panel evaluated each team based on a comprehensive rubric that included parameters such as **novelty of the idea, complexity, clarity and details in the prescribed format, feasibility, practicability, sustainability, scale of impact, user experience, and potential for future work progression.**

Their thoughtful feedback and expert guidance not only helped identify the top-performing teams but also inspired all participants to refine and elevate their ideas for future innovation challenges.

Each team received constructive feedback and suggestions for improvement, helping them refine their ideas for future competitions and real-world deployment. The judging process not only selected the top-performing teams but also served as a valuable learning experience for all participants.

## Judges Information

| <b>Jury Full Name</b> | <b>Designation</b>                                                                                                | <b>Organization</b>                                      | <b>Email Id</b>              |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------|
| Dr. Parampreet Kaur   | Assistant Professor                                                                                               | Amity University Punjab                                  | pkaur4@pb.amity.edu          |
| Dr. Aanshi Bhardwaj   | Assistant Professor                                                                                               | Amity University Punjab                                  | abhardwaj@pb.amity.edu       |
| Dr. Kriti Rawal       | Professor                                                                                                         | Amity University Punjab                                  | krawal@pb.amity.edu          |
| Dr. Deepika Kamboj    | Assistant Professor                                                                                               | Amity University Punjab                                  | dkamboj@pb.amity.edu         |
| Dr. Ridhima Khokhar   | Assistant Professor                                                                                               | Amity University Punjab                                  | rhokhar@pb.amity.edu         |
| Dr. Navjot Saini      | Assistant Professor                                                                                               | Amity University Punjab                                  | nsaini1@pb.amity.edu         |
| Dr. Law Kumar Singh   | Associate Professor and Program Coordinator (Computer Applications) of Amity School of Engineering and Technology | Amity University Punjab                                  | lksingh@pb.amity.edu         |
| Dr. Sachin Sharma     | Professor & Head of School of Amity School of Engineering & Technology                                            | Amity University Punjab                                  | ssharma17@pb.amity.edu       |
| Dr. Puneet Mittal     | Professor                                                                                                         | Amity University Punjab                                  | pmittal@pb.amity.edu         |
| Dr. Siddhartha Sarkar | Principal Scientist                                                                                               | Center of Excellence for Intelligent Sensors and Systems | ssarkar.csio@csir.res.in     |
| Dr. Ripul Ghosh       | Sr. Principal Scientist                                                                                           | Central Scientific Instruments Organisation              | ripul.ghosh.csio@csir.res.in |
| Dr. Rajni Mohana      | Professor and Dean of Amity School of Engineering & Technology                                                    | Amity University Punjab                                  | rmohana@pb.amity.edu         |
| Dr. Himanshu Jindal   | Associate Professor and Head of                                                                                   | Amity University Punjab                                  | hjindal@pb.amity.edu         |

|                            |                                                                                                                                               |                            |                                                              |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------|
|                            | Department of<br>Amity School of<br>Engineering &<br>Technology                                                                               |                            |                                                              |
| Dr. Monika<br>Bharti       | Associate<br>Professor and<br>IEEE Branch<br>Counselor                                                                                        | Amity University<br>Punjab | mbharti@pb.amity.edu                                         |
| Dr. Manish<br>Mahajan      | Associate<br>Professor                                                                                                                        | Amity University<br>Punjab | mmahajan@pb.amity.edu                                        |
| Dr. Arpit Bajpai           | Assistant<br>Professor                                                                                                                        | Amity University<br>Punjab | abajpai@pb.amity.edu                                         |
| Dr. Silky Sachar           | Assistant<br>Professor                                                                                                                        | Amity University<br>Punjab | ssachar@pb.amity.edu                                         |
| Dr. Harvinder<br>Singh     | Associate<br>Professor                                                                                                                        | Amity University<br>Punjab | hsingh@pb.amity.edu                                          |
| Dr. Vishan<br>Kumar Gupta  | Associate<br>Professor and<br>Program<br>Coordinator<br>(Animation and<br>Game design) of<br>Amity School of<br>Engineering and<br>Technology | Amity University<br>Punjab | vk Gupta@pb.amity.edu                                        |
| Dr. Vishwanth<br>Bijalwan  | Associate<br>Professor                                                                                                                        | Amity University<br>Punjab | vbijalwan@pb.amity.edu                                       |
| Dr. Rakesh<br>Kumar Seghal | Director<br>CyberSecurity                                                                                                                     | Amity University<br>Punjab | rksegahal@pb.amity.edu                                       |
| Dr. Priya Batta            | Associate<br>Professor                                                                                                                        | Amity University<br>Punjab | <a href="mailto:pbatta@pb.amity.edu">pbatta@pb.amity.edu</a> |
| Dr. Pancham<br>Kaur        | Assistant<br>Professor                                                                                                                        | Amity University<br>Punjab | ppkaur@pb.amity.edu                                          |



## Nominated Top Teams

The following teams were nominated to represent Amity University Punjab at the National Level SIH 2025:

| Team Name   | Theme                                     |
|-------------|-------------------------------------------|
| Imperials   | Smart Automation                          |
| Texplore    | Agriculture, FoodTech & Rural Development |
| CFF         | Disaster Management                       |
| Algonauts   | MedTech / BioTech / HealthTech            |
| ZenSecure   | Blockchain & Cybersecurity                |
| Deep Gen    | Miscellaneous                             |
| BIT HAPPENS | MedTech/Biotech/HealthTech                |
| InnovaCore  | Smart Education                           |

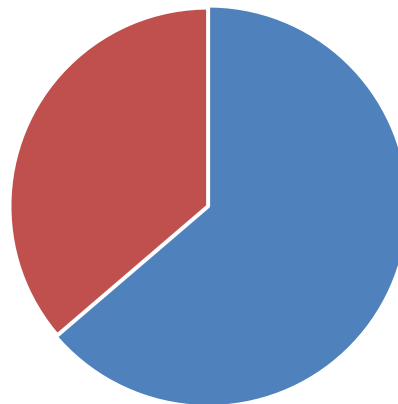
|                   |                                           |
|-------------------|-------------------------------------------|
| Airway Innovators | Clean & Green Technology                  |
| Vikings           | Clean & Green Technology, Smart Education |
| Dxcoders          | MedTech/Biotech/HealthTech                |
| Sue Coders        | Miscellaneous                             |
| Health Hives      | MedTech / BioTech / HealthTech            |
| ASBS              | MedTech/Biotech/HealthTech                |
| HexaWipe          | Miscellaneous                             |
| NeuroGaze         | MedTech/Biotech/HealthTech                |
| Doku              | Transportation & Logistics                |
| NoobSlayers       | Disaster Management                       |
| SAMADHAAN         | Miscellaneous                             |
| Safe Trails       | Travel & Tourism                          |
| Cryptix           | Smart Automation                          |
| Auxo              | Agriculture, FoodTech & Rural Development |



## PARTICIPATION STATS

- **Total Teams:** 34
- **Total Students:** 204
- **Number of Male Students:** 130
- **Number of Female Students:** 74

Percentage of Male and Female Participation



■ Male ■ Female



## News Article

### **Amity University Punjab Hosts Internal Hackathon for Smart India Hackathon 2025 : “Empowering Young Innovators, Shaping Future Technologies”**

Amity University Punjab successfully hosted its Internal Hackathon for Smart India Hackathon 2025 (#SIH2025) on 24th September 2025 at the MDP Hall, Mohali, reaffirming the university's commitment to innovation, creativity, and technological excellence. The event was conducted under the leadership of Prof. (Dr.) Puneet Sharma, Additional Pro Vice-Chancellor; Dr. Dalip Kumar, Registrar; Prof. (Dr.) Shivali Dhingra, Dean, Student Welfare; Prof. (Dr.) Rajni Mohana, Dean, ASET; Prof. (Dr.) Sachin Sharma, Head of School, ASET; Dr. Himanshu Jindal, Head of Department, ASET; and Dr. Monika Bharti, SPOC, SIH. More than 51 teams participated with great enthusiasm, competing in two rounds — Screening and Final — where students showcased innovative solutions to real-world challenges, demonstrating remarkable technical expertise, creativity, and dedication. The event was graced by distinguished experts who inspired participants with their insights, including Dr. Siddhartha Sarkar, Principal Scientist, Centre of Excellence for Intelligent Sensors and Systems (iSenS), and Ripul Ghosh, Principal Scientist & Associate Professor, Intelligent Sensors and Systems, CSIR-Central Scientific Instruments Organisation, AcSIR-CSIO. The university expressed heartfelt gratitude to AICTE, MoE's Innovation Cell, panel members, judges, faculty mentors, volunteers, and all student participants for contributing to the event's success. Through initiatives like this, Amity University Punjab continues to foster a culture of research, innovation, and impact-driven technology, preparing its students to represent the institute at the national stage of SIH 2025 and reinforcing its vision of empowering young innovators to create meaningful technological solutions.

## Social Media Promotion

**Platforms Used:** Instagram and LinkedIn

**Social Media Links:** <https://www.instagram.com/p/DOLhCulE0GR/?igsh=OWx0ZXNqOTRuZTFx>

<https://www.instagram.com/p/DOtd5Ktk77x/?igsh=MTJ5YXpkcW5qdzY2MA==>

<https://www.instagram.com/reel/DO0Ibe6AoCK/?igsh=MTR5MGFjMjBqYnl3cA==>

[https://www.linkedin.com/posts/texplore-club-aup\\_smartindiahackathon2025-innovationchallenge-activity-7374278609408020480-7C1E?utm\\_source=share&utm\\_medium=member\\_android&rcm=ACoAAFDpJQ8Bp9nMvt710SqT1dEOZZCi8tbQ3Fs](https://www.linkedin.com/posts/texplore-club-aup_smartindiahackathon2025-innovationchallenge-activity-7374278609408020480-7C1E?utm_source=share&utm_medium=member_android&rcm=ACoAAFDpJQ8Bp9nMvt710SqT1dEOZZCi8tbQ3Fs)

<https://www.linkedin.com/company/ieee-texplore-aup-student-branch/>

**#AmityUniversityPunjab #AmityMohali #InnovationAtAUP #ResearchAtAUP #SIH2025  
#SmartIndiaHackathon #SmartIndiaHackathon2025**