Event Report

Hackathon on Cyber Security and Physical Security Convergence

Title - "Hackathon on Cyber Security and Physical Security Convergence"

Date - 31st January 2026

Organizing Bodies

- Alert Enterprises, Chandigarh
- Guru Nanak Dev Engineering College (GNDEC), Ludhiana

Venue - Alert Enterprises, IT Park Road, Phase-I, Sector-13, Chandigarh

Type of Event - Industry – Academia Collaborative Hackathon Competition

Objective of the Event - The primary objective of the hackathon was to:

- Create awareness about the growing importance of **Cyber Security and Physical Security integration.**
- Encourage students to develop **innovative, practical, and secure solutions.**
- Promote **interdisciplinary collaboration** among students from different academic streams.
- Bridge the gap between **industry expectations and academic learning.**

Theme Description

The theme **"Cyber Security and Physical Security Convergence"** focused on integrating digital security mechanisms with physical safety systems. Participants explored areas such as:

- Surveillance and access control systems
- Network security for physical infrastructure
- Cyber threats affecting physical systems
- Smart security solutions for organizations and public spaces

Participation Details

The event witnessed enthusiastic participation from **78 students** across various disciplines, including:

- Computer Science Engineering (CSE)
- Information Technology (IT)
- Mechanical Engineering
- Bachelor of Computer Applications (BCA)
- Master of Computer Applications (MCA)

Students formed teams and collaborated to design innovative solutions addressing real-world security challenges.

Faculty Accompaniment and Coordination

Students from **GNDEC, Ludhiana** were accompanied and guided by the following faculty members:

- **Er. Jawinder Singh** – Mechanical Engineering (ME)
- **Er. Khushi Dhunna** – Computer Science Engineering (CSE)
- **Er. Nancy** – Computer Science Engineering (CSE)
- **Er. Sarabmeet Masson** – Information Technology (IT)

The faculty members played a vital role in coordination, mentoring, supervision, and ensuring smooth participation of students throughout the event. Their guidance helped students effectively interact with industry experts and remain actively engaged during the hackathon.

Event Proceedings

The hackathon commenced with an **inaugural session**, where representatives from **Alert Enterprises, Chandigarh**, briefed participants about: cyber security and physical security convergence, future trends of it, team-based ideation, solution development, mentoring, and final presentations.

Winner and Special Recognition Details

There was total 13 teams from which **Team THIRD EYE was the overall winner of the hackthon**. Their project addressed the serious social and security issue of **Human Trafficking**. The team proposed an innovative cyber–physical security solution combining digital monitoring, data analysis, and physical surveillance mechanisms to help detect, prevent, and report human trafficking activities. The project was highly appreciated by the jury for its strong social impact, technical innovation, and relevance to the event theme.

In addition to the winning team, **five students were individually recognized** from different participating teams for their **extraordinary performance**, innovation, leadership, and technical contribution during the hackathon. This special recognition was awarded to motivate students and acknowledge exceptional individual efforts beyond team achievements.

Outcomes of the Event

- Enhanced practical understanding of cyber and physical security concepts
- Improved problem-solving, teamwork, and technical skills among students
- Exposure to real-world industry problems and expectations
- Strengthened industry–academia collaboration

Feedback

Participants expressed positive feedback and appreciated:

- The relevance of the theme
- Hands-on learning experience
- Guidance from industry professionals

The event was considered highly informative and motivating for future innovation and research.

Conclusion

The hackathon organized jointly by **Alert Enterprises, Chandigarh** and **GNDEC, Ludhiana** on **31st January 2026** was a **great success**. It provided a valuable platform for students from diverse backgrounds to collaborate and innovate on emerging security challenges. The event effectively met its objectives and contributed significantly to skill development and awareness in the domain of security convergence.

Photographic Evidence and Highlights

Photographs captured during the event clearly depict:

- Expert-led technical sessions and discussions
- Active participation and engagement of students
- Collaborative teamwork using laptops and development tools
- A professional workspace at Alert Enterprises
- Verified GPS-based location, date, and time details confirming the authenticity of the event

The images serve as valid documentary evidence of the successful conduct of the event.

GPS Map Camera
Chandigarh, Chandigarh, India
Plot H-6 Ground Floor, Sufi Building, It Park Rd, Phase - I, Sector 13, Chandigarh, Chandigarh 160101, India
Lat 30.724089° Long 76.848117°
Saturday, 31/01/2026 10:51 AM GMT +05:30
Google

GPS Map Camera
Chandigarh, Chandigarh, India
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GPS Map Camera
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Lat 30.724083° Long 76.84812°
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System Flow
GPS Map Camera
Chandigarh, Chandigarh, India
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Lat 30.724113° Long 76.84812°
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System Workflow in Action
GPS Map Camera
Chandigarh, Chandigarh, India
Alchemist Infosystems, Phase - I, Sector 13, Chandigarh, Chandigarh 160101, India
Lat 30.724124° Long 76.848129°
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