

INDUSTRIAL VISIT

The Department of **Information Science and Engineering** organised an Industrial Visit titled “**SDLC Soft Skill Training**” on 23-01-2026 at 10:00 AM at **eMudhra Pvt. Ltd.**, Digital Campus, Bengaluru. Dr Sinsha P. S, Prof. Shagina P. K, Prof. Nandana R, and Prof. Anupama P., faculty members from the department, were present. A total of 77 students (44 boys and 33 girls) actively participated.

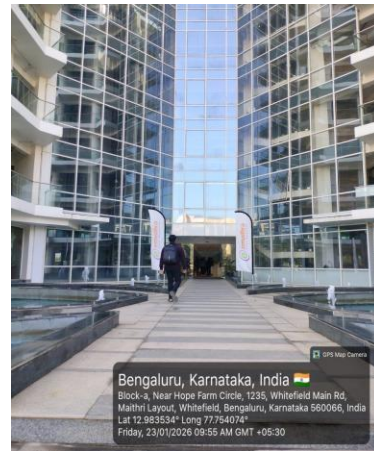


Figure 1: eMudhra Digital Campus, Devanahalli

Objectives of the Event

- To strengthen concepts for the industrial setup
- To bridge the industry–academia gap
- To provide clarity on cybersecurity
- To enhance resume building and interview readiness
- To understand secure SDLC practices
- To understand the role of digital public infrastructure in enabling secure, scalable, and citizen-centric digital services.



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- To learn the importance of integrating security practices across all phases of the Software Development Life Cycle.
- To encourage interactive learning and enhance students' critical thinking and communication skills through collaborative discussion.

Event Overview

Day	Time	Session Details
Friday	9:30AM-9:45AM	Registration
	9:45AM-10:30AM	General Introduction
	10:30AM-11:15AM	Digital Public Infrastructure
	11:15AM-11:30AM	Tea Break
	11:30AM-12:15PM	Digital Security in SDLC
	12:15PM-1:00PM	Group Discussion
	1:00PM-1:30PM	Lunch
	1:30PM-3:00PM	Technical and Soft Skill Session

Table 1: Schedule of the Event

Registration

The industrial visit commenced with a well-organised registration process at the eMudhra Digital Campus. Upon arrival, students and faculty members were formally received by the eMudhra team and guided through the registration procedure. Participant details were verified, and an overview of the visit schedule was shared. The registration session ensured proper coordination, smooth communication, and set a professional tone for the day's activities.

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Figure 2: eMudhra Digital Campus, Registration

General Introduction

The general introduction session was delivered by **Mr Shivakumar**, who provided an overview of eMudhra Pvt. Ltd., its vision, mission, and key areas of operation. He explained the organisation's role in delivering digital trust services, cybersecurity solutions, and secure digital transformation platforms. The session helped students understand the company's contributions to digital security, compliance, and identity management, while also providing insights into the corporate environment and industry expectations.

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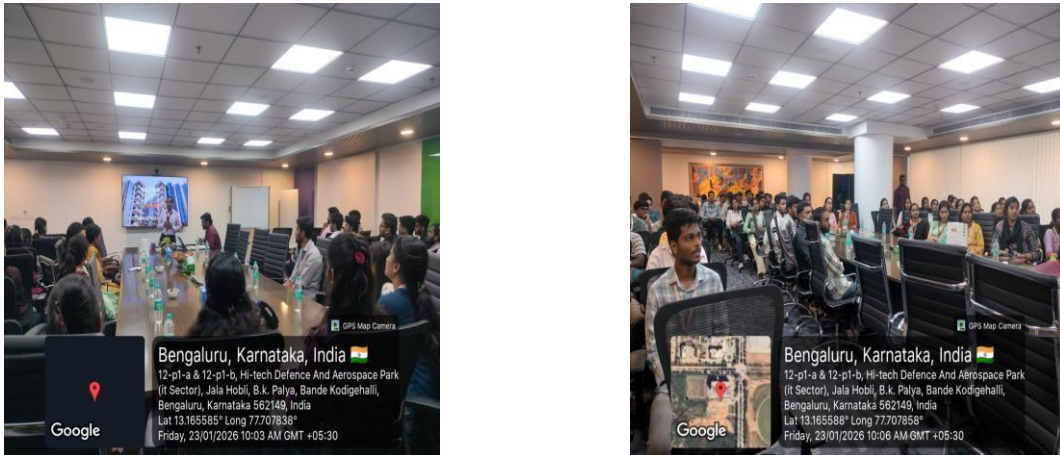


Figure 3: Introduction Session

Digital Public Infrastructure and Digital Security in SDLC

The session on **Digital Public Infrastructure and Digital Security in the Software Development Life Cycle (SDLC)** was delivered by **Mrs Lakshmi**. She explained the significance of Digital Public Infrastructure in enabling secure, reliable, and scalable digital services, with emphasis on digital identity, authentication mechanisms, and trust-based platforms. The session also covered the integration of security practices throughout various phases of the SDLC, highlighting the importance of secure design, coding standards, vulnerability assessment, and compliance. Real-time examples and industry best practices were shared, providing students with practical insights into implementing security-driven development approaches.

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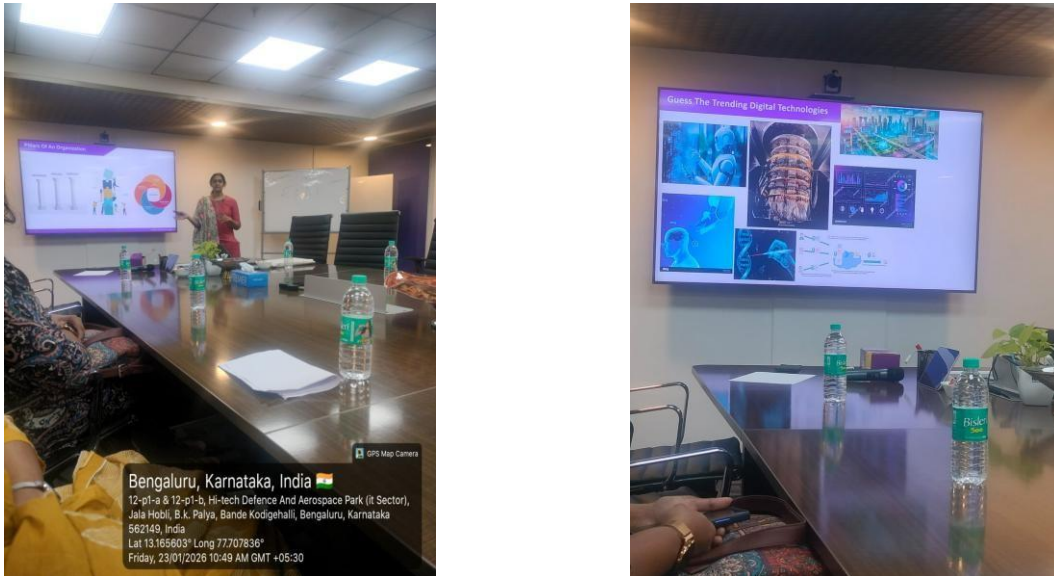


Figure 4: Cybersecurity in SDLC

Group Discussion

A group discussion session was conducted in which the students were divided into **four groups**, with a total participation of **77 students**. Each group was assigned a case study topic related to data security in real-world applications, namely **Shop-Trendy**, **TravelEasy**, **SecureBank**, and **InsureSafe**. The students were given **two minutes for preparation**, followed by **four minutes per group** to present their respective problem statements and proposed solutions. This session promoted critical thinking, teamwork, and effective communication skills among the students.

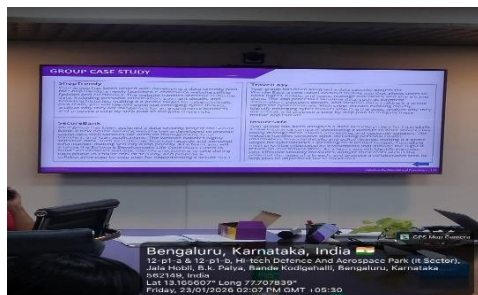


Figure 5: Case Study

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Figure 6: Group 1



Figure 7: Group 2

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Figure 8: Group 3



Figure 9: Group 4

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Technical and Soft Skill Session

The Technical and Soft Skill session was conducted by **Mr Gangadhar**, who emphasised the importance of balancing technical expertise with essential soft skills in the professional environment. The session covered key technical expectations of the industry along with communication skills, teamwork, adaptability, and workplace ethics. Students gained valuable insights into career readiness, professional conduct, and the skills required to succeed in the corporate sector.

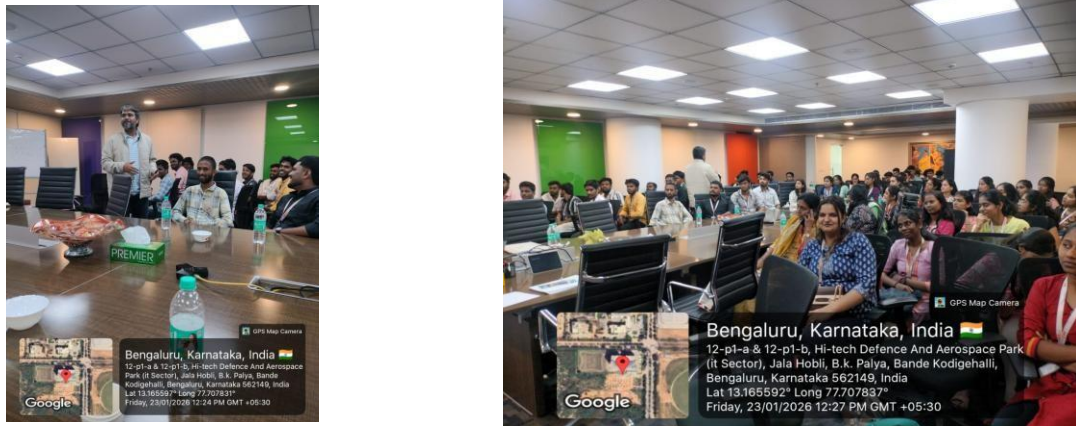


Figure 10: Power Skill Session

Outcomes and Impact

- Successful completion of industrial visit
- Understanding of industry workflow
- Career guidance and job preparation tips
- Exposure to real-world cybersecurity practices
- Gained practical exposure to Digital Public Infrastructure and real-world cybersecurity practices.
- Improved understanding of security integration across various phases of the Software Development Life Cycle.

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- Enhanced analytical thinking and problem-solving skills through group discussions and case studies.
- Developed communication, teamwork, and presentation skills.
- Increased awareness of industry expectations and professional work culture.



Figure 11: emudra Limited

Conclusion

The Industrial Visit to eMudhra Pvt. Ltd. proved to be a valuable learning experience for the students of the Department of Information Science and Engineering. The sessions on Digital Public Infrastructure, Digital Security in SDLC, technical knowledge, and soft skills provided practical insights beyond classroom learning. The interactive discussions and facility exposure enhanced students' understanding of industry practices and professional expectations. Overall, the visit successfully fulfilled its objectives and contributed positively to the students' academic and career development.

Report by: Prof. Nandana R

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