

Report of Expert Talk

Title: AI and Cyber Security

Category: Offline Mode

Date: May 09, 2025 (1:00 PM - 02:00 PM)

No. of Resource Persons: 1

No. of Participants: 50

Organizers: Student Club CSE

Event Coordinator: Dr. Mayank Patel, Ms. Ruchi Vyas and Mr. Pankaj Kumar Vaishnav

Resource Person: Ms. Ankita Khimesra, Senior Consultant, Microsoft

Mode: Offline Mode

Objective: To explore the intersection of Artificial Intelligence and Cybersecurity, and to inform participants about the ways AI can enhance threat detection, automate security protocols, and simultaneously introduce new vulnerabilities. The session aimed to raise awareness on leveraging AI responsibly in cybersecurity. The session aimed to highlight the dual role of AI as a powerful tool for enhancing threat detection, incident response, and security automation, and as a potential risk factor when misused in cyberattacks. Through expert insights, the talk sought to inform students and professionals about the current trends, challenges, and best practices at the intersection of AI and cybersecurity.

Poster:



Inaugural Session:

In inaugural session following were present.

1. Dr. S.M. Prasanna Kumar, Campus Director, GITS
2. Dr. Sudhakar Jindal
3. Dr. Mayank Patel, Head Department of CSE
4. Faculty Members

Photographs:





Programme Brief

The expert talk titled "AI and Cybersecurity" provided an enlightening overview of how Artificial Intelligence is transforming the landscape of cyber defense. Ms. Ankita Khimesra, Senior Consultant, Microsoft shared her extensive knowledge on how AI-powered tools are being employed to detect malware, analyze network traffic anomalies, and respond to threats in real time. The speaker also highlighted the emerging risks associated with AI-driven attacks, such as deepfakes and adversarial AI, and stressed the importance of ethical AI development. Through real-world examples and case studies, participants gained a well-rounded understanding of both the benefits and threats that AI introduces to cybersecurity. The session was highly interactive, with several questions from the audience about current AI tools, threat detection systems, and potential career paths in the cybersecurity domain.

Outcome:

1. Participants gained a comprehensive overview of how AI is transforming the field of cyber security.
2. Topics such as threat detection using machine learning, deep learning in malware classification, and AI-driven incident response were covered.
3. The workshop encouraged collaboration among participants from diverse academic and professional backgrounds, fostering exchange of ideas and problem-solving approaches.
4. The event helped students and professionals understand emerging career paths and research directions in AI and cyber security.