



Association for Computing Machinery PIET Jaipur ACM Student Chapter

Department of Computer Engineering

Session Report

on

Advent of Cyber: A Guided Journey into Cybersecurity and Ethical Hacking

Organized by: Department of Computer Engineering, Poornima Institute of Engineering and Technology, in collaboration with the EC-Council Lab and PIET ACM Student Chapter.

Organized on: 8th – 9th October 2025

Targeted group: Second Year B.Tech. Students

Number of Participants (Total: 40) --> (Students-35,Organizers-5)

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Objective of the Seminar:

The primary objective of the “Advent of Cyber” session is to equip participants with foundational knowledge and practical exposure to the world of **cybersecurity** and **ethical hacking**. Through hands-on exercises, live demonstrations, and real-world attack simulations, students will understand how **cyber threats** emerge and how to analyze, detect, and defend against them using modern security tools and techniques. This session aims to build a strong technical mindset and encourage participants to pursue a career in **cybersecurity** with confidence and skill.

Brief Report:

The Department of Computer Engineering, Poornima Institute of Engineering and Technology, in collaboration with EC-Council Lab, PIET ACM Student Chapter organized a 2-day immersive session titled “**Advent of Cyber**” on 8th – 9th October 2025 at the Cybersecurity Lab (A-208).

The session aimed to introduce students to the **foundations of cybersecurity**, ethical hacking, and real-world attack and defense strategies. Participants gained hands-on experience through live demonstrations and interactive exercises, exploring topics such as Red, Blue, and Purple Team operations, network security, bug bounty, and various cyber attack simulations including Wi-Fi hacking, phishing, password cracking, and malware analysis.

The event successfully enhanced participants’ technical awareness, practical skills, and understanding of the **cyber threat landscape**, inspiring them to pursue careers in **cybersecurity** and contribute to a secure digital future.

Outcomes:

The “Advent of Cyber” session provided participants with hands-on exposure to real-world **cyber attack and defense** techniques, enhancing their technical problem-solving and analytical skills. Students effectively learned to use Kali Linux, VirtualBox, and SIEM tools for **threat detection** and **incident response**, while gaining insights into ethical hacking, network security, and vulnerability assessment. The event fostered a **security-focused mindset**, strengthened career interest in **cybersecurity**, and promoted the adoption of ethical practices in digital defense.

Conclusion:

The “Advent of Cyber” session provided participants with hands-on exposure to real-world **cyber attack and defense** techniques, enhancing their technical problem-solving and analytical skills. Students effectively learned to use Kali Linux, VirtualBox, and SIEM tools for **threat detection** and **incident response**, while gaining insights into ethical hacking, network security, and vulnerability assessment. The event fostered a **security-focused mindset**, strengthened career interest in **cybersecurity**, and promoted the adoption of ethical practices in digital defense.

Feedback:

- Participants valued the **hands-on** learning and **interactive** demonstrations.
- The session ignited interest in **ethical hacking** and **cyber defense careers**.

Session Photographs



