

CENTRE OF EXCELLENCE

Cyber Security and Ethical Hacking (ACE-CSEH)

In association with HACKUP TECHNOLOGY

About the Centre of Excellence (CoE)

- The **Cyber Security and Ethical Hacking (ACE-CSEH)** – Centre of Excellence, established in collaboration with **HACKUP TECHNOLOGY PVT. LTD, COIMBATORE**, is designed to promote advanced learning, research, and innovation in the field of Cyber Security.
- It provides students with direct industry-aligned exposure to modern tools used in threat intelligence, penetration testing, network security, and digital forensics.
- The Centre is equipped with high-performance security workstations and dedicated servers provided through the HACKUP TECHNOLOGY ecosystem.

Vision

To become a leading Centre for cyber security education and digital resilience, empowering students with specialized skills in Information Security and Cyber Defense to meet the evolving demands of the global security industry.

Mission

- To provide hands-on training in spatial security technologies and ethical hacking.
- To develop student competencies in interactive threat detection, data privacy, and real-time security visualization.
- To connect academic learning with industry practices in emerging cyber security and digital forensics technologies.

Objectives

- To train students in security auditing, vulnerability management, and secure network architecture.
- To provide practical exposure to industrial security hardware, encryption protocols, and virtualized defense systems.

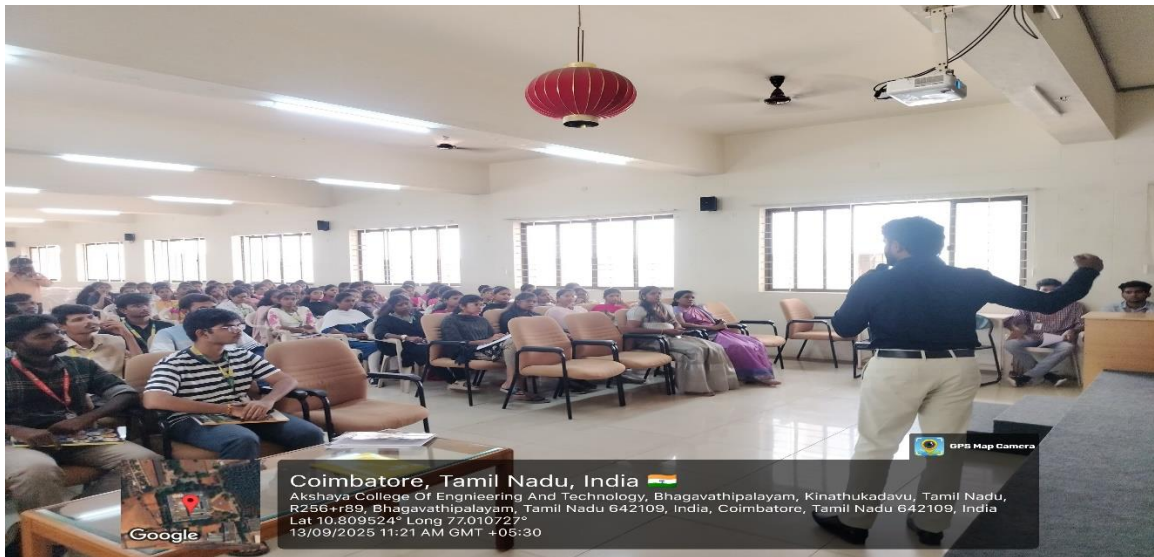
- To enable students to build security simulations, educational modules, and resilient cyber applications.

Outcomes

- Students will acquire practical skills in ethical hacking, penetration testing, vulnerability assessment, and digital forensics through hands-on training.
- Students will be able to identify, analyze, and mitigate cyber security threats using industry-standard tools and Security Operations Centre (SOC) practices.
- The Centre will strengthen industry-academia collaboration by facilitating workshops, expert lectures, internships, and research opportunities in emerging cyber security domains.

Faculty Coordinators

1. Mrs. V. Krithika, AP / CSE
2. Ms. H. T. Anjalin Sneha, AP / CSE



Mr. Dinesh Paranthangan, CEO & Founder, Hackup Technology gave a guest lecture to CSE, AI&DS, CS&BS students on topic **“Explainable AI for Transparent Post-Quantum Cyber Security Systems”**

List of Projects

S.No	Title of Project	Name of the Student
1.	Certificate Verification using Block chain Technology	Ramamoorthy, Meiram of III CSE-‘B’
2.	ML Based Network Intrusion Detection System	Ramamoorthy, Meiram of III CSE-‘B’
3.	Ransomware Behavior Detection	Meiram, III CSE-‘B’
4.	Emergency Response with IoT : Instant SOS alerts	Ramamoorthy, III CSE- ‘B’
5.	Digital Student ID	S. Harikrishnan, III CSE -‘A’
6.	ShadowWatch_AI_Insider_Threat_Detection_System	Karthik Muhesh, III CSE-‘A’
7.	Phishing_Email_Detection	A. Jayahariharan, III CSE -‘A’