NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

A workshop

on

“Hands-on Next-Generation Cyber Defense and Ethical Security Frameworks”

As part of the Silver Jubilee celebrations, the Department of Information Science & Engineering organised a workshop titled “Hands-on Next-Generation Cyber Defense and Ethical Security Frameworks” on Tuesday, 24-02-2026.

The event commenced with a welcome address by Ms Snighdha, a student of the 4th semester, who set the tone for the session and introduced the purpose of the workshop. This was followed by a brief introduction outlining the objectives, structure, and significance of next-generation cyber defence mechanisms in today’s digital landscape.

The workshop witnessed active participation from students of the 4th and 6th semesters across all departments, reflecting strong interdepartmental interest in cybersecurity and ethical security practices.

The hands-on format enabled students to gain practical exposure to modern cyber defence techniques, ethical frameworks, and real-world security challenges, thereby contributing to enhanced technical understanding and skill development.

The Brochure of the Event

Resource Persons

The workshop was facilitated by esteemed professionals from IBM, whose industry experience significantly enriched the learning experience:

• Mr Srivatsan Jagannathan – Associate Architect
• Mr Rajasekar Muthusamy – Cloud Platform & Services Security Architect

Their expertise in enterprise security and cloud-based defence frameworks provided students with valuable technical knowledge and practical insights.

Objectives

The key objectives of the workshop were to:

• Introduce participants to next-generation cyber defence strategies.
• Explore ethical frameworks that guide cybersecurity practices.
• Provide hands-on exposure to tools and methodologies used in real-time security operations.
• Bridge the gap between academic learning and industry-driven cybersecurity practices.

Workshop Highlights

• **Technical Demonstrations:** Students engaged with IBM-led demonstrations on cloud security, threat modelling, and ethical hacking methodologies.

• **Hands-on Activities:** Participants practised configuring defence mechanisms, analysing system vulnerabilities, and simulating attack–defence scenarios.

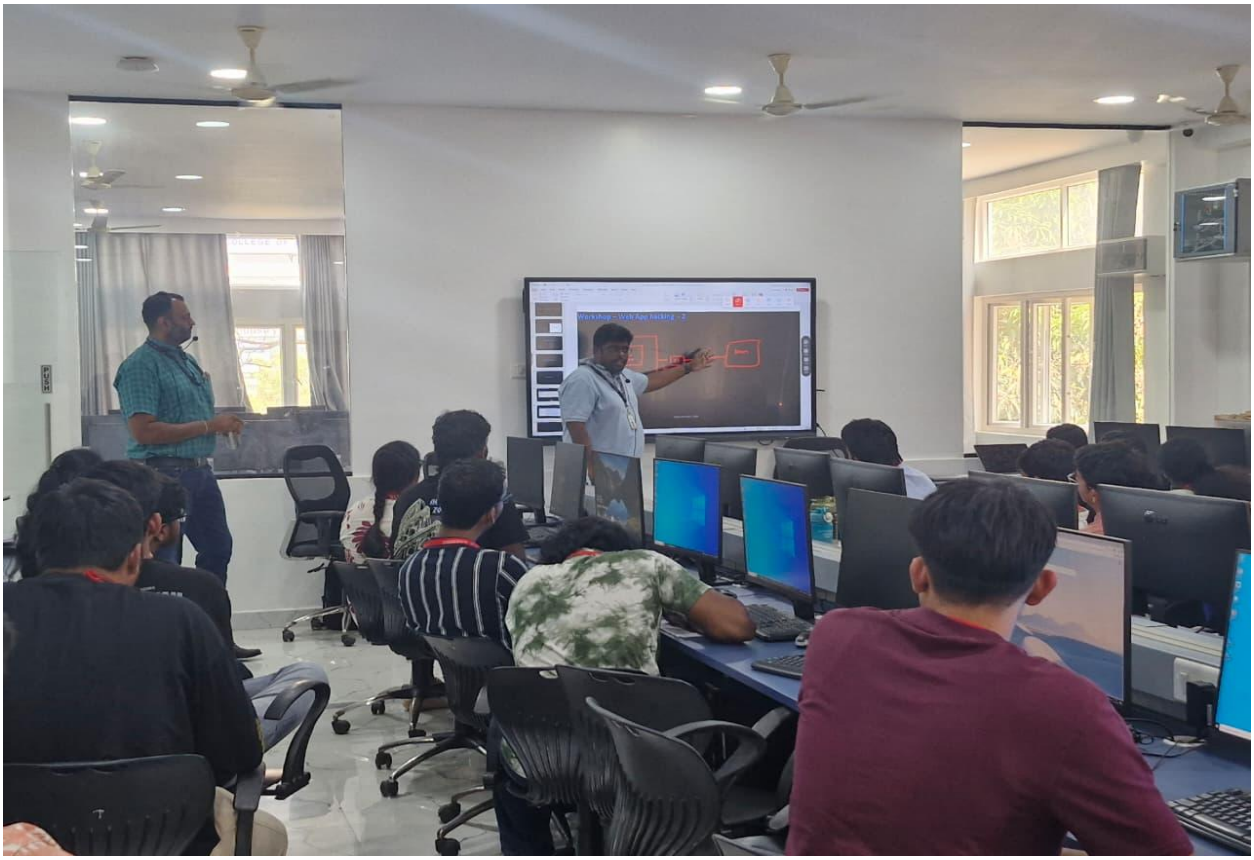
• **Ethical Security Frameworks:** The session emphasised ethical conduct, legal compliance, and the importance of responsible cybersecurity practices.

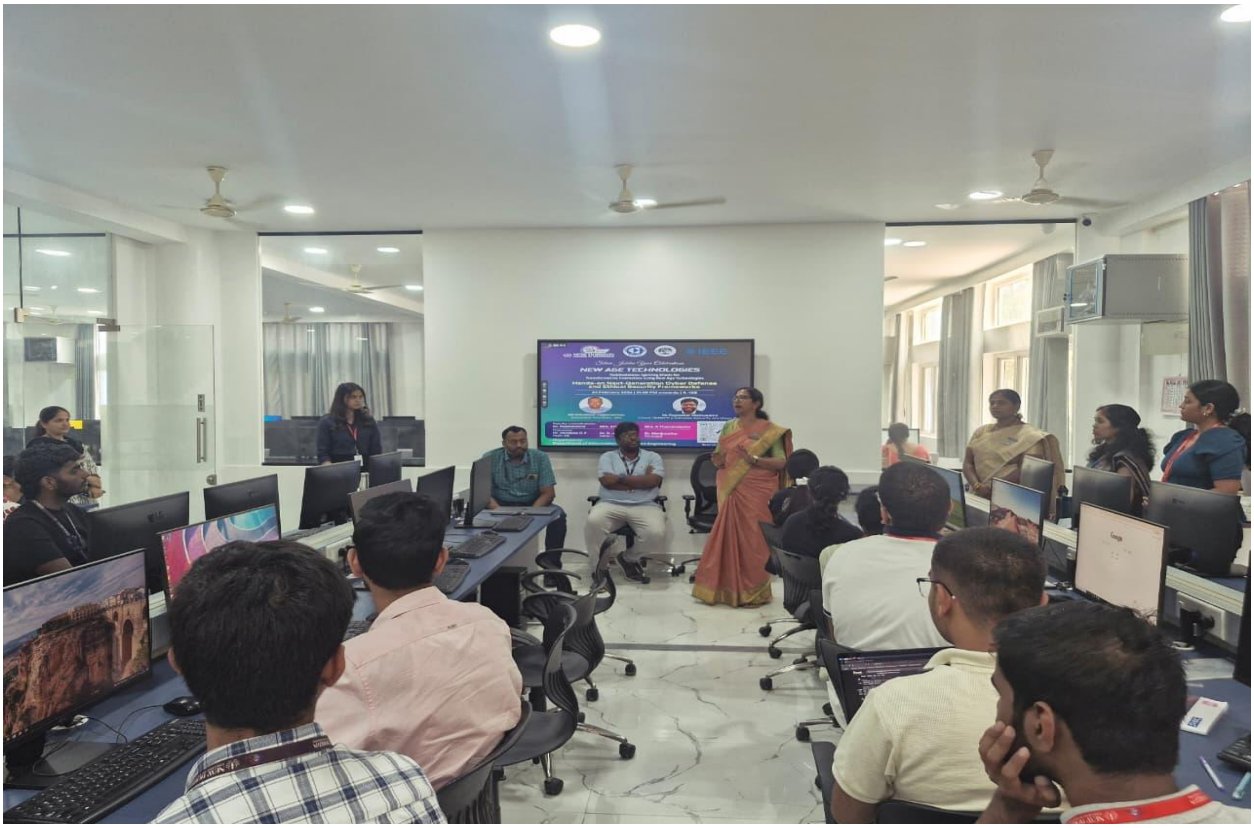
• **Interactive Q&A:** The workshop concluded with an engaging Q&A session, where students discussed technical queries and explored career opportunities in cybersecurity and cloud security domains.

Key Takeaways for Students

• Strengthened understanding of modern cyber defence strategies.
• Practical exposure to industry-standard tools, platforms, and security frameworks.
• Increased awareness of ethical, legal, and compliance aspects in cybersecurity.
• Motivation to pursue advanced research, projects, and career pathways in information security.

Glimpses of the Event





Coordinator HoD-ISE