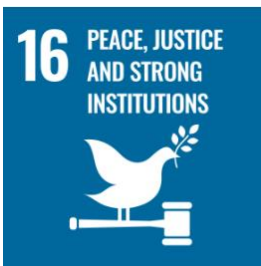


WORKSHOP ON CYBER SECURITY AND ETHICAL HACKING

Organized by:	Cyber Security and Ethical Hacking
Date of Activity:	11 November 2024
Duration:	One Day
Venue:	Seminar Hall, Main Block, DBUU
Participants:	B.Tech(CSE) 2 nd year
Resource	Mr. Rahul Kumar (Speaker)
Persons/Experts/Guests	Mr. Mukesh Rajput

Aligned SDGs



Rationale for SDG Linkage

- The workshop enhanced digital literacy, technical skills, and practical learning, supporting inclusive and quality education through hands-on, skill-oriented training.
- It promoted lifelong learning and capacity building by equipping students with relevant competencies required in the modern digital workforce.
- The activity emphasized ethical practices, cyber law awareness, and responsible use of technology, contributing to safe and secure digital environments.
- By strengthening knowledge on cyber security and data protection, the workshop supported institutional resilience, transparency, and trust in digital systems.

Objectives of the Activity

- To equip participants with essential knowledge and skills to safeguard digital information and prevent cyber threats.
- To create awareness about latest cyber security threats, vulnerabilities, and attack techniques.
- To introduce the principles and practices of ethical hacking for lawful and responsible system protection.
- To provide hands-on training in identifying system weaknesses and implementing defensive measures.

- To enhance understanding of robust cyber security frameworks and best practices for digital safety.
- To empower participants to responsibly navigate and secure the digital environment in an increasingly technology-driven world.

Description of the Activity

The Workshop on Cyber Security and Ethical Hacking offers key highlights designed to provide a comprehensive and hands-on experience. Highlights include interactive sessions on the latest cyber threats, methods for identifying vulnerabilities, and strategies for preventing attacks. Expert speakers will share real-world insights into ethical hacking and network security protocols, helping participants understand critical tools such as penetration testing and vulnerability assessment. Additionally, live demonstrations of hacking scenarios and countermeasures will offer practical knowledge. Participants will receive guided lab sessions to practice skills, build confidence, and gain awareness of cyber security practices essential for protecting personal and organizational digital assets

Outcomes of the Activity

The workshop on **Cyber Security and Ethical Hacking** resulted in significant learning outcomes for the participants. Students gained practical knowledge of core cyber security concepts and ethical hacking tools used to protect digital systems and data. The workshop enhanced their ability to identify vulnerabilities, recognize potential cyber threats, and understand common attack methods. Participants also developed awareness of the ethical and legal responsibilities associated with hacking practices and learned the importance of data protection and privacy. Through hands-on sessions and expert interactions, they acquired basic skills to implement security measures and strengthen system defenses. Overall, the workshop increased participants' confidence and preparedness to responsibly manage cyber security challenges in today's rapidly evolving digital landscape.

Photographs



Inaugural Session of the Workshop on Cyber Security and Ethical Hacking



Interactive Discussion on Cyber Laws, Ethics, and Digital Safety