GUJARAT TECHNOLOGY UNIVERSITY

NATIONAL SERVICE SCHEME

Vidyabharti Trust College of Master in Computer Application (MCA, MBA & IMSc.IT), Umrakh

Report on Workshop- "The Double-Edged Sword: AI-Driven Cyber Threats and Defenses" organized at Vidyabharti Trust College of Master in Computer Application, Umrakh

NSS Unit Name/College Name: **Vidyabharti Trust College of Master of Computer Application, Umrakh**

Event Name: Report on Workshop- "The Double-Edged Sword: AI-Driven Cyber Threats and Defenses"

Faculty Name: Prof. Mihirraj Thakor.

Event Date, Time and Location: **12th October 2026, Vidyabharti campus**

Brief Description of the Event:

Vidyabharti Trust College of Master in Computer Application, Umrakh, successfully organized a cyber-security awareness workshop titled "The Double-Edged Sword: AI-Driven Cyber Threats and Defenses" on 12 October 2026, in collaboration with Gujarat Police under the NSS Unit. The workshop aimed to create awareness among students about the growing cyber security challenges associated with Artificial Intelligence (AI) and to educate them about effective measures for ensuring digital safety.

The session was conducted by cyber experts Mr. Sahil Modi and Mr. Vaibhav Pala, who shared their valuable knowledge and expertise on emerging cyber threats and preventive strategies. A total of 135 students from MCA Semester 3 and Integrated MSc.IT (IMSc.IT) Semester 7 actively participated in the workshop.





During the session, the experts explained various AI-driven cyber threats, including deep fakes, phishing attacks, malware, and data theft. They highlighted how cybercriminals misuse AI technologies to create sophisticated scams, manipulate digital content, steal confidential information, and compromise personal and organizational data. The speakers also emphasized the importance of identifying suspicious online activities and adopting responsible digital practices.

An important highlight of the workshop was the live demonstration of cyber security tools, which helped students understand practical aspects of cyber threats and digital protection. These demonstrations provided valuable insights into how cyber security tools can be used to identify potential risks and strengthen digital security. The experts also discussed essential safety measures, such as using strong passwords, enabling multi-factor authentication, avoiding suspicious links, protecting personal information, and verifying the authenticity of online messages and digital content.






The workshop provided students with an opportunity to enhance their understanding of cyber security in the rapidly evolving digital environment. It encouraged them to remain vigilant while using online platforms and AI-based applications and to develop responsible digital habits. The collaboration with Gujarat Police further strengthened the importance of cyber security awareness and the role of educational institutions in promoting a safer digital society.



Conclusion:

The cyber security awareness workshop was an informative and valuable initiative that enhanced students' awareness of emerging AI-driven cyber threats and effective defense mechanisms. The participation of 135 students from MCA Semester 3 and IMSc.IT Semester 7 made the program a meaningful learning experience. The expert guidance and live demonstrations helped bridge the gap between theoretical knowledge and practical cyber security awareness. Overall, the workshop reinforced the importance of digital responsibility, cyber vigilance, and safe technology usage among students.