

ABOUT THE DEPARTMENT –

The **B.Sc. in Cyber Security and Digital Forensics** program is designed to provide students with a deep understanding of both theoretical and practical aspects of cybersecurity and digital forensics. The primary objective is to equip students with the expertise needed to safeguard critical digital infrastructure, defend against cyber threats, and conduct thorough investigations of cyber incidents. In today's digital age, where cybercrime and data breaches are on the rise, organizations require skilled professionals capable of mitigating security risks, protecting sensitive information, and ensuring system resilience.

The curriculum emphasizes core areas such as network security, cryptography, digital evidence management, ethical hacking, and incident response. Students gain hands-on experience with industry-standard tools and technologies used to detect, prevent, and respond to cyberattacks. Additionally, the program develops analytical skills required to assess vulnerabilities, identify security gaps, and implement effective countermeasures. Courses in digital forensics enable students to investigate cybercrimes by tracing digital footprints, recovering compromised data, and generating legally admissible forensic reports.

To meet the demands of a rapidly evolving cybersecurity landscape, the program balances foundational knowledge with advanced applications. Students are trained to think critically, innovate, and adapt to emerging challenges such as cloud security, IoT security, and AI-driven threat intelligence. Through field projects, internships, and research initiatives, the program fosters experiential learning, enabling students to apply their skills in real-world scenarios.

Upon completion, graduates are well-prepared for diverse roles such as cybersecurity analyst, digital forensic investigator, risk manager, and security consultant. They are capable of not only protecting digital ecosystems but also contributing to organizational strategies for long-term cybersecurity resilience and digital trust. This comprehensive approach ensures that students are ready to excel in both technical and managerial aspects of cybersecurity and forensics, making them valuable assets in the job market.