

# JEEVAN CHANAN MAHILA MAHAVIDYALAYA

**SHORT TERM COURSE**  
**30 CREDITS (BCA & B.SC)**



**USER AWARENESS AND  
EDUCATION**

**THREAT INTELLIGENCE**

**NETWORK SECURITY**

**APPLICATION/DATA  
SECURITY**

**ENHANCED CAREER  
OPPORTUNITIES**

**IMPROVED JOB  
PROSPECTS:**

**INCREASED KNOWLEDGE  
AND SKILLS**

**STAYING UP-TO-DATE  
WITH INDUSTRY TRENDS**



## **VISION**

The vision of cybersecurity is to protect and defend digital information, systems, and networks from unauthorized access, use, disclosure, disruption, modification, or destruction.



## **MISSION**

The mission of a cybersecurity course is to educate and train individuals in the principles, practices, and technologies necessary to protect digital information, systems, and networks from cyber threats. The mission



## **BENEFITS**

- Awareness from Cyber Slavery Scam
- protection from digital deception
- safety from internet threats
- knowledge of cyber Laws

**Courtesy : Computer Science Department**

Dr. Rekha Sharma (Principal)  
Dr. Rekha Bansal (Convener Short term Course)  
Ms. Asha Batra (Advisory Member)

Cyber Security Course:  
Ms. Asha Batra (convener)  
Ms. Priyanka (Member)

Module	Module Name	Module Content	Practicals
Module-I	Introduction to Cyber security	Defining Cyberspace and Overview of Computer and Web-technology, Architecture of cyberspace, Communication and web technology, Internet, World wide web, Advent of internet, Internet infrastructure for data transfer and governance, Internet society, Regulation of cyberspace, Concept of cyber security, Issues and challenges of cyber	1. Checklist for reporting cyber crime at Cyber crime Police Station.  2. Checklist for reporting cyber crime online. .
Module-II	Cyber crime and Cyber law	Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransom ware attacks, zero day and zero click attacks, Cybercriminals modus-operandi , Reporting of cyber crimes, Remedial and mitigation measures, Legal perspective of cyber crime, IT Act 2000 and its amendments, Cyber crime and offences, Organizations dealing with Cyber crime	1. Reporting phishing emails.  2. Demonstration of email phishing attack and preventive measures
Module-III	Social Media Overview and Security	Introduction to Social networks. Types of Social media, Social media platforms, Social media monitoring, Hashtag, Viral content, Social media marketing, Social media privacy, Challenges, opportunities and pitfalls in online social network, Security issues related to social media, Flagging and reporting of inappropriate content, Laws regarding posting of inappropriate content, Best practices for the use of Social media, Case studies.	1. Basic checklist, privacy and security settings for popular Social media platforms.  2. Reporting and redressal mechanism for violations and misuse of Social media platforms.
Module-IV	E - Commerce and Digital Payments	Definition of E- Commerce, Main components of E-Commerce Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices,	1. Setting, configuring and managing three password policy in the computer (BIOS, Administrator and Standard User).

		<p>Introduction to digital payments, Components of digital payment, Modes of digital payments- Banking Cards, Unified Payment Interface (UPI), e-Wallets, Aadhar enabled payments, Digital payments related common frauds and preventive measures. RBI guidelines on digital payments and customer protection in unauthorized banking transactions.</p>	<ol style="list-style-type: none"> <li>2. Setting and configuring two factor authentications in the Mobile phone.</li> <li>3. Security patch management and updates in Computer and Mobiles.</li> <li>4. Managing Application permissions in Mobile phone.</li> <li>5. Installation and configuration of computer Anti-virus.</li> <li>6. Installation and configuration of Computer Host Firewall.</li> <li>7. Wi-Fi security management in computer and mobile.</li> </ol>
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