

# **SRINIX COLLEGE OF ENGINEERING, BALASORE**



**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING**

**ASSIGNMENT ON  
CYBER SECURITY**

# CYBER SECURITY

## ASSIGNMENT-I

1	Who are Cyber Criminals and Explain how they plan the attacks	
2	Analyze the challenges faced by Cybercafé? Explain in detail	
3	a	List out the sections and rules in IT ACT 2000
	b	Analyze about the Global perspective of Cyber Crime
4	List out the basic Cyber Offences and Summarize it	
5	What is cybercrime? Explain the classification of cybercrimes.	
6	a	Discuss and Elaborate about Cybercrime
	b	Discuss and Elaborate about Cyber Stalking
	c	Discuss and Elaborate about Cybercafés
7	What is Social Engineering? Explain each type of Social Engineering in detail?	
8	a	What is Cloud Computing? Classify the types in it and list the advantages
	b	Discuss the security challenges in Cloud Computing
9	What is Cybercrime? Explain the different types of cyber-attacks	
10	a	Show how botnet is created and extend its working
	b	Summarize about cybercrime in “the Indian perspective”

## ASSIGNMENT-II

<b>1</b>	a	Examine about the Mobility and its Trends
	b	Justify the terms DoS, PDP and how it's used in Cyber Security
<b>2</b>	a	Discuss organizational measures for handling the mobile devices
	b	Importance of security policies related to Hand held devices
<b>3</b>		Compare Mishing, Smishing and Vishing in detail
<b>4</b>	a	Discuss are the Security Challenges posed by Mobile Devices
	b	Summarize the Proliferation (Growth) of Mobile and Wireless Devices
<b>5</b>	a	Explain the types of mobile phone Attacks
	b	List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost
<b>6</b>	a	Compare Mobile Computing Vs Wireless Computing
	b	Identify the LDAP Security in mobile computing devices
<b>7</b>		Discuss the Organizational Security policies & Measures for Hand Held Devices
<b>8</b>	a	Select the appropriate techniques used in authentication service security
	b	Explain the attacks on mobile devices
<b>9</b>		Examine the credit card frauds in mobile & wireless devices
<b>10</b>	a	Inference about the Registry Settings for Mobile Devices in detail.
	b	Explain about Cryptographic Security for Mobile Devices

### ASSIGNMENT-III

<b>1</b>	a	Outline the purpose of proxy Server in detail
	b	Who are Anonymizers and how they get affected by scams in cybercrime? Explain
<b>2</b>		Justify various tools and techniques used to launch attacks against the target
<b>3</b>	a	Explain in detail about Spywares and How it harms our machine
	b	Distinguish Virus and Worms? How it harms our machine
<b>4</b>		Define Password Cracking? Explain the tools in password cracking
<b>5</b>		How hacker use the SQL injections to hack the information. Summarize it.
<b>6</b>	a	What is a key logger? How it creates harmful to the users and list out types in it
	b	Elaborate about Spywares in details
<b>7</b>		What is Phishing attack? Justify Phishing attacks with an example
<b>8</b>		Apply the concept of Daniel of Service with an example and Explain
<b>9</b>		Demonstrate buffer overflow? Identify the techniques in it
<b>10</b>		Analyze about various attacks in Wireless Networks

#### ASSIGNMENT-IV

1	What is cybercrime? Outline the Need and Summarize it.	
2	Recall the challenges to Indian cyber laws? Explain with briefly	
3	Assess the scenario-based cyber crimes in India	
4	What is Digital Signature? How to create it and how it works	
5	Elaborate the Amendments to the Indian IT act in details	
6	a	List and Summarize the types of cybercrimes?
	b	Judge the punishment related to cyber crimes in detail
7	Elaborate the Indian IT Act? What are the amendments in Indian IT Act	
8	Organize the Global and Indian Perspectives of cybercrimes	
9	Discuss the kon-boot password cracking software	
10	What are DDoS? Summarize the attacks in it briefly	

## ASSIGNMENT-V

<b>1</b>	a	Define Computer Forensics. Recall the challenges in it.
	b	What is Forensics? Discover its history and background of Cyber Forensics
<b>2</b>	Outline the views of Network Forensics in detail with an example	
<b>3</b>	What is Digital Forensics Science? Perceive the digital forensics lifecycle	
<b>4</b>	Examine the Forensic Analysis of Email in detail	
<b>5</b>	What is Digital Evidence? How Forensic reports are prepared by making use of it.	
<b>6</b>	Examine about Sans SIFT and Pro discover forensic tools in detail	
<b>7</b>	a	Elaborate the Concepts under Chain of custody.
	b	What is the importance of approaching a Computer Forensics Investigation
<b>8</b>	What is Auditing? Summarize the Forensic Auditing techniques.	
<b>9</b>	Organize the plan related to Forensic investigation with real-time scenario	
<b>10</b>	Explain any 4 special tools for forensic investigation	