

CYBER SECURITY

- **INTRODUCTION**

- Computer Network and Defense fundamental
- Network Security Threats, Vulnerabilities and Attacks
- Network Security Controls, Protocols and Devices

- **PROTECTION**

- Network Security policy design and Implementation
- Physical Security
- Host Security
- Secure firewall configuration and Management
- Secure IDS configuration and Management
- Secure VPN Configuration and Management
- Wireless Network Defense

- **ANALYSIS & DETECTION**

- Network Traffic Monitoring and Analysis
- Network Risk and Vulnerability Management

- **RESPONSE**

- Data Backup and Recovery
- Network Incident Response and Management

- **BASIC INTRODUCTION TO CYBER SECURITY & COUNTERM**

- Introduction to Cyber Security
- Reconnaissance /Footprinting
- Scanning

- **HOST HACKING METHODOLOGY & COUNTERMEASURE**

- Enumeration
- System Hacking
- Malware Threats
- Sniffing



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- NETWORK SERVICE HACKING METHODOLOGY & COUNTERMEASURE
 - Social Engineering
 - Denial of services
 - Session Hijacking
 - Hijacking web server
- APPLICATION HACKING METHODOLOGY & COUNTERMEASURE
 - Hijacking Web Application
 - SQL Injection
 - Hacking Wireless Networks
 - Hacking Mobile Application
- DATACENTER INFRASTRUCTURE HACKING METHODOLOGY & COUNTERMEASURE
 - Evading IDS, Firewalls, Honeypots
 - Cloud Computing
 - Cryptography

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