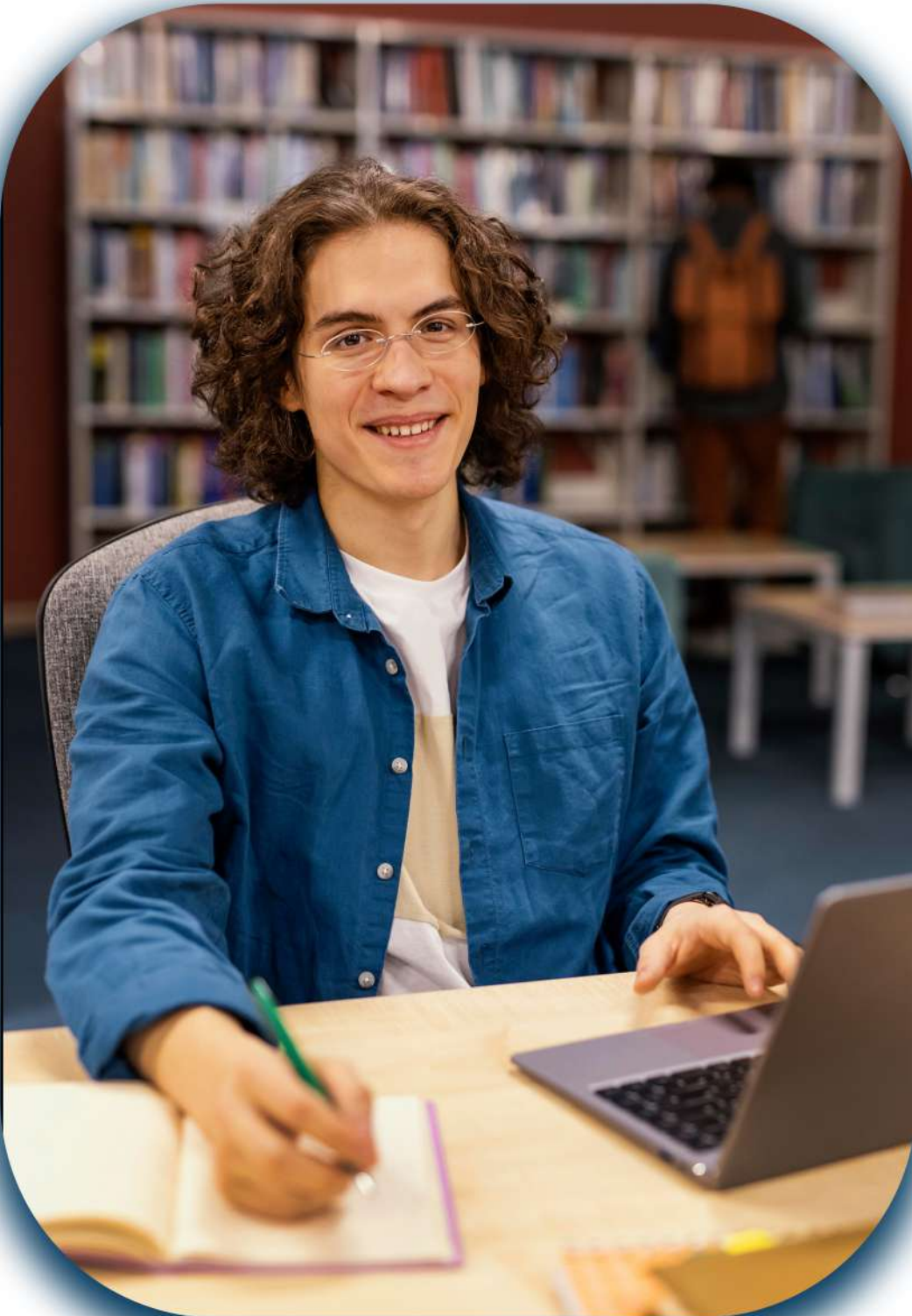


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**Online
Course**

Course Modules

1.Introduction to Ethical Hacking

- Elements of Information Security
- Cyber Kill Chain Methodology
- MITRE ATTACK Framework
- Hacker Classes
- Ethical Hacking
- Information Assurance (IA)
- Risk Management
- Incident Management
- PCI DSS
- HIPPA
- SOX
- GDPR

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2. Foot Printing and Reconnaissance

- Footprinting
- Advanced Google Hacking Techniques
- Deep and Dark Web Footprinting
- Competitive Intelligence Gathering
- Website Footprinting
- Website Mirroring
- Email Footprinting
- Whois Lookup
- DNS Footprinting
- Traceroute Analysis
- Footprinting Tools

3. Scanning Networks

- Network Scanning
- Host Discovery Techniques
- Port Scanning Techniques
- OS Discovery
- Banner Grabbing
- OS Fingerprinting
- Packet Fragmentation
- Source Routing
- IP Address Spoofing
- Scanning Tools



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4.Enumeration

- Enumeration
- NetBIOS Enumeration
- SNMP Enumeration
- LDAP Enumeration
- NTP Enumeration
- NFS Enumeration
- SMTP Enumeration
- DNS Cache Snooping
- DNSSEC Zone Walking
- IPsec Enumeration
- Unix / Linux User Enumeration
- Enumeration Tools

5.Vulnerability Analysis

- Vulnerability
- Vulnerability Research
- Vulnerability Assessment
- Vulnerability-Management Life Cycle
- Vulnerability Classification
- Vulnerability-Management Life Cycle
- Vulnerability Assessment Tools
- Vulnerability Assessment Reports



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6. System Hacking

- Password Cracking
- Password Attacks
- Wire Sniffing
- Password Cracking Tools
- Vulnerability Exploitation
- Buffer Overflow
- Privilege Escalation
- Privilege Escalation Tools
- Keylogger
- Spyware
- Anti-Keyloggers
- Anti-Spyware
- Rootkits
- Anti-Rootkits
- Steganography
- Steganography Tools
- Steganalysis
- Steganography Detection Tools
- Maintaining Persistence
- Post Exploitation
- Clearing Logs
- Covering Tracks
- Track-Covering Tools



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7. Malware Threats

- Malware
- Components of Malware
- APT
- Trojans
- Exploit Kits
- Virus
- Virus Lifecycle
- Types of Viruses
- Ransomware
- Computer Worms
- Fireless Malware
- Malware Analysis
- Static Malware Analysis
- Dynamic Malware Analysis
- Virus Detection Methods
- Trojan Analysis
- Virus Analysis
- Fireless Malware Analysis
- Anti-Trojan Software
- Antivirus Software
- Fireless Malware Detection Tools



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8.Sniffing

- Network Sniffing
- Wiretapping
- MAC Flooding
- DHCP Starvation Attack
- ARP Spoofing Attack
- ARP Poisoning
- ARP Poisoning Tools
- MAC Spoofing
- STP Attack
- DNS Poisoning
- DNS poisoning Tools
- Sniffing Tools
- Sniffer Detection Techniques
- Promiscuous Detection Tools

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9.Social Engineering

- Social Engineering
- Types of Social Engineering
- Phishing
- Phishing Tools
- Insider Threats/Insider Attacks
- Identity Theft



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11. Session Hijacking

- Session Hijacking
- Types of Session Hijacking
- Spoofing
- Application-Level Session Hijacking
- Man-in-the-Browser Attack
- Client-Side Attacks
- Session Replay Attacks
- Session Fixation Replay Attacks
- Session Fixation Attack
- CRIME Attack
- Network Level
- Session Hijacking
- TCP/IP Hijacking
- Session Hijacking Tools
- Session Hijacking Detection Methods
- Session Hijacking Prevention Tools



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10. Denial-of-Service

- DoS Attack
- DDoS Attack
- Botnets
- DoS/DDoS Attack Techniques
- DoS/DDoS Attack Tools
- DoS/DDoS Attack Detection Techniques
- DoS/DDoS Protection Tools

12. Evading IDS, Firewalls, and Honeypots

- Intrusion Detection System (IDS)
- Intrusion Prevention System (IPS)
- Firewall
- Types of Firewalls
- Honeypot
- Intrusion Detection Tools
- Intrusion Prevention Tools
- IDS Evasion Techniques
- Firewall Evasion Techniques
- Evading NAC and EndPoint Security
- IDS/Firewall Evading Tools
- Honeypot Detection Tools



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13. Hacking Web Servers

- Web Server Operations
- Web Server Attacks
- DNS Server Hijacking
- Website Defacement
- Web Cache Poisoning Attack
- Web Server Attack Methodology
- Web Server Attack Tools
- Web Server Security Tools
- Patch Management
- Patch Management Tools

14. Hacking Web Applications

- Web Application Architecture
- Web Application Threats
- OWASP Top 10 Application Security Risks - 2021
- Web Application Hacking Methodology
- Web API
- Webhooks and Web Shell
- Web API Hacking Methodology
- Web Application Security



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15. SQL Injection

- SQL Injection
- Types of SQL injection
- Blind SQL Injection
- SQL Injection Methodology
- SQL injection Tools
- Signature Evasion Techniques
- SQL Injection Detection Tools

16. Hacking Wireless Networks

- Wireless Terminology
- Wireless Networks
- Wireless Encryption
- Wireless Threats
- Wireless Hacking Methodology
- Wi-Fi Encryption Cracking
- WEP/WPA/WPA2 Cracking Tools
- Bluetooth Hacking
- Bluetooth Threats
- Wi-Fi Security Auditing Tools
- Bluetooth Security Tools



17. Hacking Mobile Platforms

- Mobile Platform Attack Vectors
- OWASP Top 10 Mobile Risks
- App Sandboxing
- SMS Phishing Attack (SMiShing)
- Android Rooting
- Hacking Android Devices
- Android Security Tools
- Jailbreaking iOS
- Hacking iOS Devices
- iOS Device Security Tools
- Mobile Device Management (MDM)
- OWASP Top 10 Mobile Controls
- Mobile Security Tools

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18. IoT Hacking

- IoT Architecture
- IoT Communication Models
- OWASP Top 10 IoT Threats
- IoT Vulnerabilities
- IoT Hacking Methodology
- IoT Hacking Tools
- IoT Security Tools
- IT/OT Convergence (IIOT)
- ICS/SCADA
- OT Vulnerabilities
- OT Attacks
- OT Hacking Methodology
- OT Hacking Tools
- OT Security Tools

19. Cloud Computing

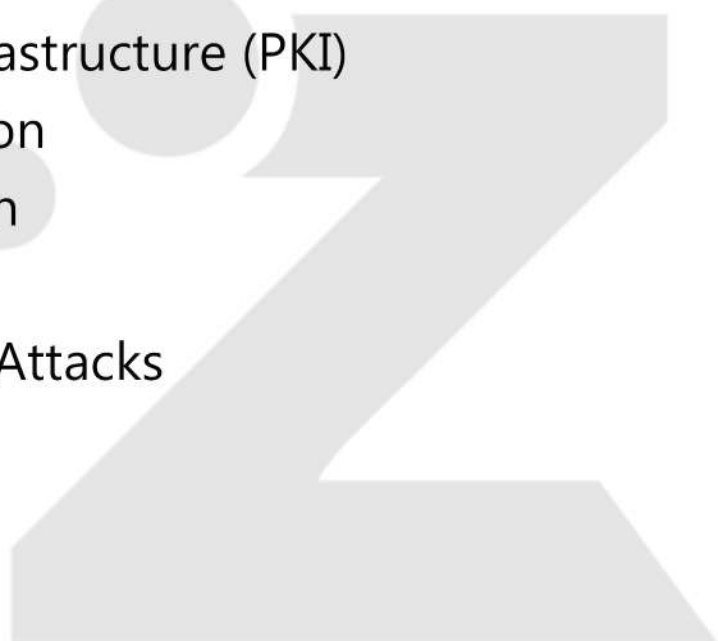
- Cloud Computing
- Types of Cloud Computing Services
- Cloud Deployment Modules
- Fog and Edge Computing
- Cloud Service Providers
- Container
- Docker
- Kubernetes
- Serverless Computing
- OWASP Top 10 Cloud Security Risks
- Container and Kubernetes Vulnerabilities
- Cloud Attacks
- Cloud Hacking
- Cloud Network Security
- Cloud Security Controls
- Cloud Security Tools

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20. Cryptography

- Cryptography
- Encryption Algorithms
- MD5 and MD6 Hash Calculators
- Cryptography Tools
- Public Key Infrastructure (PKI)
- Email Encryption
- Disk Encryption
- Cryptanalysis
- Cryptography Attacks
- Key Stretching

A large, stylized, light gray letter 'Z' is positioned behind the list of topics. Below the 'Z', the text 'Zetlan Technologies' is written in a light gray, sans-serif font.

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