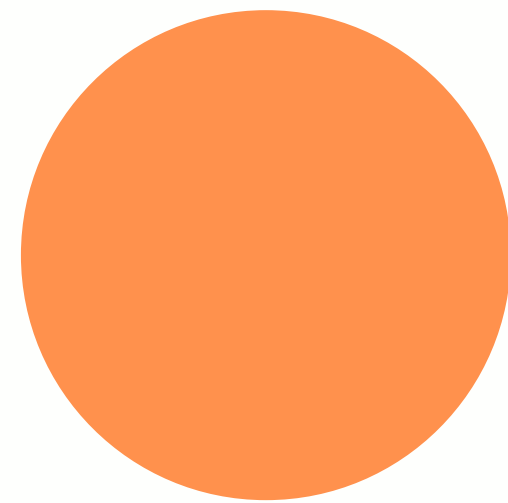


Ethical Hacking



Sr. No

Topic

Sub Topic

Hours

Module - 1

Introduction

- **Types of Hackers**
- **CIA Triad**
- **Computing Hands on**
- **Some Basic Terminologies**
- **Setting Up your Hacking environment**

4

Module - 2

Networking

- **OSI Model**
- **TCP/UDP Model**
- **TCP/IP Model**
- **Ports and Services such as SSH, FTP, HTTP, HTTPS, SMTP, DHCP**
- **MAC Changer**
- **Wireshark**
- **Honeypots**

4

Sr. No

Topic

Sub Topic

Hours

Module - 3

**Linux Basics &
Shell Scripting**

- **Basic Linux Commands**
- **Linux Booting Process**
- **Linux Run Levels**
- **Linux File Structure**
- **Linux Permissions**
- **Basics of Bash Scripting**

4

Module - 4

**Cryptography &
Steganography**

- **Symmetric Encryption**
- **Asymmetric Encryption**
- **Hashing**
- **SSL TLS**
- **Encoding Decoding**
- **Steganography and different types**
- **Steghide**

4

Sr. No

Topic

Sub Topic

Hours

Module - 5

**Password
Cracking**

- **Wordlists**
- **Creating Custom Wordlists using Crunchbase**
- **Hydra for Password Cracking**
- **John the Ripper**
- **Metasploit for SSH password cracking**
- **Cyber Chef**
- **Rainbow Tables**

4

Module - 6

**DOS/DDOS &
Deep/Dark Web**

- **Different Types of Malwares**
- **Different Types of Bombs**
- **Dos and DDos Attacks**
- **Deepweb & Darkweb**
- **TOR**
- **Onion Websites**

4

Sr. No

Topic

Sub Topic

Hours

Module - 7

System Hacking

- **Introduction to Metasploit**
- **Creating payloads using Metasploit**
- **Reverse Listeners**
- **Linux and Windows Exploits**
- **Uploading a Backdoor**

4

Module - 8

Android Hacking

- **Attack Killchain**
- **Android Hacking LAN & WAN**
- **Android Hacking with backdoor**

4

Sr. No

Topic

Sub Topic

Hours

Module - 9

Social Engineering Attacks

- **Different Social Engineering Attacks**
- **Phishing and Types with Practical**
- **IDN Homograph Attack**
- **Email Spoofing**
- **ShellPhish**
- **Social Engineering Toolkit (SET)**

4

Module - 10

WiFi Hacking

- **Introduction**
- **Rogue Access Point**
- **WPA2 Cracking**

4

Sr. No

Topic

Sub Topic

Hours

Module - 11

**Information
Gathering**

- **Google Dorking**
- **GHDB**
- **The Harvester**
- **Osint Framework**
- **Black Widow**
- **Sherlock**

4

Module - 12

Enumeration

- **Subdomain Enumeration**
- **DNS Enumeration**
- **Whois Enumeration**
- **Waybackurls**
- **Tips & Tricks**
- **Capstone Project**

4

Exam

MCQ Exam

2

50

Thank You!



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