



JOIN US

ETHICAL HACKING



ETHICAL HACKING

CORE NETWORKING CLASSES

GET TRAINING BY CERTIFIED TRAINERS AND INDUSTRY EXPERTS

**TRAINING TYPE
ONLINE**

**COURSE DURATION
2 MONTH**

**NO OF HOURS
2 HOURS/DAY**

**CERTIFICATE
CYBER SECURITY**

**SKILL LEVEL
INTERMEDIATE**

**STUDY MATERIAL
YES**

**BATCHES AVAILABLE
WEEKDAYS/WEEKENDS**



CYBER SECURITY

START YOUR LEARNING WITH CORE NETWORKING CLASSES





COURSE CONTENT

INTRODUCTION TO CYBER SECURITY

- Explaining the Certification, Introducing Security
- Introducing Hacking, Introduction to Ethical Hacking
- Types of hacker

Basics of windows and Linux

- Windows concept and command lines
- kali Linux installation
- Linux basic and commands

FOOT PRINTING

- Defining Foot printing, Information Gathering Methodology
- Active information gathering
- Passive information Gathering
- Open source Intelligence tools and techniques
- Locate the Network Range, Hacking Tools

SCANNING Networks

- Definition, Types, Objectives, Classification of Scanning
- Scanning Methodology, Scanning Tool, passive scanning and Countermeasures
- Passive network scanning
- Active network scanning
- Information gathering from Android, windows and Parrot OS

BE EXPERT IN CYBER SECURITY AND ETHICAL HACKING

ENUMERATION

- What is Enumeration?
- Enumeration techniques and Tools, Enumerating User Accounts through Open source Intelligence and other tools
- Enumerating running services and technology about target
- Enumerate running services and technology on target





Ethics

SYSTEM HACKING

- Operating system concept
- Types of kernel
- Windows and Linux Architecture concept
- Administrator Password Guessing
- Manual Password
- Automated Password Cracking, Password Types
- Difference between LM and NT hash
- Brute-forcing password hash
- Gaining access to remote PC
- Post exploitation Technique
- Clearing the Logs on victim machine
- Exploiting windows to gain
- Create a backdoor on remote computer
- Creating malware using different tools and techniques
- Backdoor executable file
- Bypass all the antivirus

Malware threats

- Defining how antivirus work
- Effect on Business, What is a malware
- Types of malware
- Analyzing malware
- Static Analysis of malware using reverse engineering method
- Dynamic Analysis of malware in isolated environment
- Threat Hunting techniques to find hidden malwares
- Detecting IOC on compromised system

SNIFFING AND MITM

Definition of sniffing

- How a Sniffer works?
- Active Sniffing, Hacking Tools, Sniffing Countermeasures

- Poison the network to intercept search queries
- Man in The Middle Attack
- Password capturing using MITM attack
- Detecting MITM attack

DENIAL OF SERVICE

- What is Denial of Service?
- Goal of DoS (Denial of Service)
- Impact and Modes of Attack, DoS Attack Classification
- Dos and DDoS difference
- DoS Attack tools
- Layer 7 Attack
- Zombie Attack
- Detecting Dos Attack and Defending it

SOCIAL ENGINEERING

- What is Social Engineering? Art of Manipulation
- Human Weakness, Common Types of Social Engineering
- Human Based Impersonation
- Hacking using social engineering

HACKING WEB SERVERS

- Popular Web Servers and Common Security
- Apache Vulnerability, Attack against IIS
- Vulnerability Analysis tools and Framework
- Pawning web servers

WEB APPLICATION VULNERABILITIES

- Web Application Vulnerability tools and Framework
- Web Application Threats, Carnivore, Hunting for web vulnerability using
- Countermeasures

WEB BASED PASSWORD CRACKING TECHNIQUES

- Authentication- Definition, Authentication Mechanisms
- Password Guessing, Query String, Cookies
- Password Crackers Available

SQL INJECTION

- Attacking SQL Servers, SQL Server Resolution Service
- Osql-L Probing, Port Scanning, SQL Server Talks
- Preventive Measures

HACKING WIRELESS NETWORKS

- Wireless Basics, Components of Wireless Network
- Access Point Positioning, Rogue Access Points
- Tools to Generate Rogue Access Points
- Scanning Tools, Sniffing Tools
- Securing Wireless Networks

CYBER SPACE SEARCH ENGINE S

- Concept and Types of IoT Search Engine
- Searching for IoT Devices
- Searching for vulner
- Hacking Using shodan, zoomeye and other IoT search engine

CRYPTOGRAPHY

- Public and private cryptography
- Digital Signature, RSA (Rivest Shamir Adleman)
- Define RC4, RC5, RC6, Blowfish, Algorithms and Security
- Brute-Force Attack on password hash
- Message Digest Functions
- SHA (Secure Hash Algorithm) SSL (Secure Sockets Layer)
- What is SSH, Government Access to Keys Distributed.net, Code Breaking: Methodologies
- Cryptography Attacks, Disk Encryption, Magic Lantern
- WEPCrack, Cracking S/MIME Encryption Using Idle CPU Tim