

# MODULES



OVERVIEW



NETWORKING



VIRTUALIZATION



FOOTPRINTING



SCANNING



SYSTEM HACKING



LINUX



VIRUS & WORMS



TROJANS



STAGNOGRAPHY



SNIFFING



PHISHING



EMAIL HACKING



DDOS ATTACK



XSS ATTACKS



IFRAME ATTACKS



WIFI HACKING



SQL INJETIONS



REVERSE ENGINEERING



MOBILE HACKING



IDS/IPS



FIREWALL



PENETRATION



CYBAR LAWS



## Introduction to Hacking

- Important Terminology
- Ethical Hacking vs. Hacking
- Effects of Hacking on Business
- Why Ethical Hacking Is Necessary
- Skills of an Ethical Hacker
- What Is Penetration Testing?

## Networking Concepts

- What is Network?
- Various types of network topologies
- Dissimilar type of Network Devices
- Protocols & Port numbers
- IP Addressing and its classes
- VPN Network, DHCP Server
- DNS Server, OSI Model
- Server Configuration

## Virtualization

- Importance of Virtualization
- Features and Terminologies
- Create & Run 1st Virtual Machine OS
- Connect USB to Virtual Machine
- Network Adapter and More Settings
- Create Network in VMs
- Share Data in Network
- Special Features of Virtualization
- Problem Handling
- Various types of Virtualization Software's

## Foot Printing

- Gathering Information Using Websites and Applications
- IP Mapping and Tracing IP address
- Active and Passive Methods
- Detecting Web Server
- Find weaknesses using Google
- Hacking Using Google and other Search Engines

## Scanning

- Detection of Alive IP Addresses
- Port scanning techniques
- Advance Trace route
- Discovering with SYN, ACK, UDP, ICMP, ARP
- Aggressive detection
- Proxy and VPN Servers
- Understanding of TOR & Deep web Network

## Windows Hacking

- OS Authentication Architecture
- OS Hash Brute Forcing
- OS Password Cracking
- Windows Login Bypass
- OSX Login Bypass
- Data Stealing Techniques
- And many more....

## Linux Hacking

- Kali Linux Vs. Other Pen Testing OS
- Installation and setup of Kali Linux
- System Architecture of Kali Linux
- Network Configuration of Kali Linux
- Essential Commands of Kali Linux

## Virus and Worms

- Types of Viruses and Worms
- Creation of Viruses and Worms
- Difference Between Viruses and Worms
- Detection of Viruses and Worms
- Manual Removal of Viruses and Worms

## Trojans and RATS

- Different Type of Trojans
- Making of Trojan(RAT)
- Right Way to Configure Trojan
- Online Trojan propagation
- Analysis and Removal of Trojan



## Phishing

- Phishing Attacks
- Desktop Phishing
- Spear Phishing

## Sniffing

- Introduction to Network Sniffing
- Man in the Middle Attacks
- MAC spoofing & Flooding
- ARP Poisoning
- Rogue DHCP
- SSL Stripping
- Session Hijacking

## Email Hacking

- Social Engineering
- Fake Emails
- Identify Fake Emails
- KeyLoggers
- Email Encryption
- Counter Measures

## SQL Injection

- Introduction to SQL Database
- Types of SQL Injections
- Authentication Bypass Injection
- Blind Injections
- Error Based Injection
- Union Based Injection
- Stacked Query Injection
- Time Based Injection

## DoS and DDoS Attacks

- How DoS Attack Works
- Indications of DoS Attacks
- DoS Attack Techniques
- Tools for DDoS Attacks
- Detection of Attacks

## Wi-Fi Hacking

- Wi-Fi Technical Details
- Types of Encryptions
- MAC Spoofing
- Attacks on WEP, WPA, WPA2
- Forged Authentication Attack
- Replay Attack
- De-Synchronization Attack
- Evil Twin and Fake AP Attack

## Steganography

- Types of Steganography
- Techniques of Steganography
- How Steganography Works
- Image Steganography
- Working with Tools

## (XSS) Cross Site Scripting

- How XSS Attacks Work
- XSS Attack via Email
- Stealing Cookies via XSS
- XSS Attack in Comment Field
- Blog Post via XSS Attack
- CSRF Attacks

## iFrame Attacks

- Understanding an iFrame Attack
- New iFrame Injection Method
- Ads in hidden iFrame and pop-ups
- Redirecting to a malicious server
- Malicious script execution

## Mobile Hacking

- Understanding Android's Roots
- Android Rooting Tools
- Android Trojans
- Exploit Using apk File
- Detection of Weakness

## Penetration Testing

- Penetration testing
- Need of Penetration Testing?
- Types of Pen Testing
- Pen Testing Techniques
- Security Audit
- Vulnerability Assessment
- Black Box Pen Testing
- Gray Box Pen Testing

## Reverse Engineering

- Introduction to RE
- Tools and Commands
- Monitoring Events and Exceptions
- Inspecting Processes and Modules

## Firewall & Honeypots

- Introduction to Firewalls
- Network Firewalls
- Web Application Firewalls
- Weakness in Firewalls
- Honey Pots and Security Misconfiguration

## IDS / IPS

- Configure Rule sets
- Setup Network IDS/IPS
- Writing Custom Rules
- Logs Analysis
- DMZ Configuration
- Intrusion Detection Systems and weakness
- Intrusion Prevention Systems and weakness

## Cyber Laws

- What are the Cyber Laws
- Cyber Laws in India
- Case Studies





# Be An **Ethical Hacker**



## Trainer Profile

### **Haider Mehdi** (Information Security Trainer)



Haider mehdi has worked in the IT field for over 10 years. During this time he worked for a computer support company where he provided system and network support for hundreds of companies across Delhi & NCR and throughout India.

For about the last 5 years Haider Mehdi has been completely focused on security as a penetration testing and offensive security.

Haider has conducted several training sessions on advanced penetration testing focused on teaching students stealth, and evasion techniques in secure environments.

He holds leading security certifications such A+, CEH, ENSA, CHFI, LPT, MCITP, CCNA, RHCE, KALI LINUX.

## Career Options

- **Penetration Tester**
- **Security Expert**
- **Cyber Security Consultant**
- **Security Administrator**
- **Network Security**
- **Web Security Administrator**
- **Trainer & Many more....**

## Placements Partners



**HCL**







## Why DICC

- **60+ Hours Practical based Classroom training Program.**
- **Modules and Complete Syllabus of Ethical Hacking.**
- **Concepts of Cyber Security would be included in the course.**
- **Proper Lab for Practice.**
- **Expert Trainer having certification.**
- **Hacking Toolkit and Softwares.**
- **Certification after the completion of the course.**

## Batch Details

Regular Batch	Alternate Days	Weekend Batches		Other Modes
(Monday to Friday)	(M-W-F or T-T-S)	(Sat-Sun)	(Sunday Only)	Online Classes
5 Days a Week	3 Days a Week	10:00-01:00	10:00-01:00	Home Tutions
09:30 - 11:30	09:30 - 11:30	1:00 – 4:00	1:00 – 4:00	Distance Mode
11:30 – 01:30	11:30 – 01:30	4:30 – 7:30	4:30 – 7:30	Workshops
01:30 – 03:30	01:30 – 03:30			Seminars
04:00 – 06:00	04:00 – 06:00			
<b>Duration: 2 Months</b>	<b>Duration: 4 Months</b>	<b>Duration: 4 Months</b>		---
<b>Course Fee: 12500/-</b>	<b>Course Fee: 12500/-</b>	<b>Course Fee: 12500/-</b>		<b>On Request</b>





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