



ETHICAL HACKING

CONNAISSANCE . SCANNING
WEB . NETWORK . WIRELESS
LINUX . METASPLOIT . BURP

DURATION

60 Hours

LEVEL

**Beginner to
Advanced**

MODULES

8

MODE

**Classroom ·
Online · Hybrid**

01 COURSE OVERVIEW

A hands-on ethical hacking course taught entirely inside a controlled lab environment. The course follows the standard attack lifecycle — footprinting, scanning, enumeration, exploitation, privilege escalation, persistence and reporting — with each phase practised against deliberately vulnerable targets.

Learners maintain a lab of Kali Linux, Metasploitable, DVWA and Windows targets, and produce a written assessment report at the end.

WHO IT IS FOR

IT and network administrators

Security analysts and SOC trainees

Developers who need attacker perspective

Students preparing for CEH-style exams

PREREQUISITES

Networking fundamentals and basic Linux command line.

02 LEARNING OUTCOMES

01 Set up and isolate a legal testing lab.

03 Scan and enumerate hosts, ports and services.

05 Escalate privileges on Linux and Windows hosts.

07 Write a clear findings and remediation report.

02 Gather information on a target without touching it.

04 Exploit common vulnerabilities with Metasploit.

06 Test web applications against the OWASP Top 10.

03 MODULE STRUCTURE

8 MODULES

01 FOUNDATIONS AND LAW

Security concepts

Attack lifecycle

Indian IT Act and consent

Attacker types

Rules of engagement

Reporting duties

02 LAB SETUP

Virtualisation

Vulnerable targets

Snapshots

Kali Linux

Network isolation

LAB

BUILD THE PRACTICE LAB

03 RECONNAISSANCE

Passive footprinting

Google dorking

Email and employee mapping

WHOIS and DNS

OSINT sources

TOOLS

THEHARVESTER

MALTEGO

SHODAN

04 SCANNING AND ENUMERATION

Host discovery

Service and version detection

Vulnerability scanning

Port scanning

SMB and SNMP enumeration

TOOLS

NMAP

NESSUS ESSENTIALS

NIKTO

05 SYSTEM EXPLOITATION

Exploit selection

Meterpreter

Privilege escalation

Payloads

Password attacks

Persistence

TOOLS

METASPLOIT

JOHN THE RIPPER

HYDRA

06 WEB APPLICATION ATTACKS

SQL injection

Broken authentication

CSRF

Cross-site scripting

File upload flaws

Access control

TOOLS

BURP SUITE

OWASP ZAP

SQLMAP

07 NETWORK AND WIRELESS

Sniffing

ARP spoofing

Denial of service concepts

Man-in-the-middle

Wi-Fi attacks

TOOLS

WIRESHARK

AIRCRAK-NG

ETTERCAP

08 SOCIAL ENGINEERING AND REPORTING

Phishing simulation

Awareness controls

Report structure

Pretexting

Evidence handling

Remediation advice

PROJECT

FULL ASSESSMENT OF THE LAB NETWORK WITH REPORT

04 ASSESSMENT & CERTIFICATION

Module assignments and labs **25%**

Mini projects **20%**

Internal assessments **15%**

Final project and review **40%**

CERTIFICATION

Learners who complete all modules, submit the final project and clear the review receive a course completion certificate from Kaizen Infinities Private Limited. Project work is documented for the learner's portfolio, and interview preparation is included in the closing sessions.

05 CAREER OUTCOMES

ROLES THIS PROGRAMME PREPARES FOR

ETHICAL HACKER

SECURITY ANALYST

PENETRATION TESTER (JUNIOR)

VULNERABILITY ANALYST

IT SECURITY ADMINISTRATOR

CALL US

+91 73051 33996

EMAIL US

apply@kaizeninfinities.com

VISIT OUR WEBSITE

www.kaizeninfinities.com