



#### Introduction to Ethical Hacking

- Introduction to Internet
- Introduction to Networking
- Introduction to Ethical Hacking

#### Network Basics

- Network elements
- Configuring a Router
- IP Address Classes

#### Ethical Hacking Start Up Basics

- Information gathering & Google Hacking (Theory & Practical)
- Windows security (Theory & Practical)
- SQL injections attacks (Theory & Practical)

#### Information Gathering

- Introducing Different information Gathering Tools
- Gathering information using Key Logger

#### Basics of Web Development

- Developing HTML Forms
- Basics of PHP
- Linking HTML Forms with PHP
- Manipulating the data from HTML Page

#### Phishing

- Introduction to Phishing
- Building a Phishing Page
- Writing Phishing Code in PHP
- Implementation
- Identifying Phishing Attack

#### Fake Mail

- Methods for creating fake mails
- Fake mails through fake mailers
- Writing codes for sending fake mail
- Implementing Fake mail using own Script
- Identifying a Fake Mail

#### Further practical

- Trojan & viruses
- Session hijacking & Cookie grabbing
- Social Engineering Attacks

#### DNS Spoofing

- What is DNS
- What is DNS Spoofing
- Implementation of DNS Spoofing using Backtrack

#### Man In The Middle Attack

- Introduction to Man in the Middle Attack
- Implementation using Backtrack
- Using Social Cloning Tool

#### Cross site scripting attack

- Introduction to Cross Site Scripting
- Demonstrating Cross Site Scripting
- Preventing Cross Site Scripting

#### WIFI Hacking

- Introduction to WIFI
- Types of Security
- Packet Sniffing
- Using Ettercap

#### Ethical Hacking Projects implementation & testing

- Live info gathering (Nmap, Maltego etc.)
- Live ettercap powerful attacking tools
- Live active & passive scanning
- Live DNS Hijacking (DNS Spoofing)
- Live Cache Poisoning
- Live XSS Attack with cookie grabbing



- ▲ Live DVWA & Web-goat for testing
- ▲ Live Key Loggers attack
- ▲ Sending Fake Emails/ Email Forging
- ▲ Fake calls/ Call Forging
- ▲ Live Website hacking using SQL Injection
- Live MTM attack (APR Spoofing)