

Syllabus of Ethical Hacking Course in Chennai

Our Ethical hacking Course Syllabus is designed by most experienced Ethical Hackers. This Syllabus Covers Step by Step Hacking Techniques with Materials. Join us for Ethical Hacking Course in Chennai at Besant technologies and become a master in Ethical Hacker Techniques.

Introduction to ethical hacking

- Information security,
- Hack value,
- Vulnerability,
- Exploit,
- Payload,
- Zero-day attack,
- Daisy-chaining,
- Doxing,
- Bot,
- Hacking
- concept Types and Phases,
- Ethical Hacking concepts, and scope,
- Information security controls.

Footprinting concepts

- Footprinting through search engines,
- Footprinting through social networking sites,
- Website footprinting,

- Email footprinting,
- Whois footprinting,
- Network footprinting,
- Footprinting Pen Testing.

Overview of network scanning

- Scanning Methodology,
- check for the live system,
- check for open ports,
- scanning beyond IDS,
- Scan for vulnerability,
- Banner Grabbing,
- draw network diagrams,
- Scanning pen-testing.

Enumeration concepts

NetBIOS Enumeration, SNMP Enumeration, LDAP Enumeration, NTP Enumeration, SMTP and DNS

- Enumeration, Enumeration pentesting.

System Hacking

- Cracking Passwords, Escalating Privileges, Executing Applications, hiding files, Covering Tracks.

Introduction to Malware

- Trojan Concepts, Virus and Worm, Malware Reverse Engineering, Malware Detection, Malware countermeasures

Sniffing Concepts

- MAC Attacks, DHCP Attacks, Spoofing Attack, ARP poisoning, DNS Poisoning, Countermeasures.

Social Engineering Concepts, Social Engineering Techniques, Impersonation on Social Networking Sites, Identify

- Threat, Social engineering Countermeasures.

DoS/DDoS Concepts, Dos/DDOs Attack Techniques, Botnets, Dos/DDoS Attack Tools, Countermeasures, DDoS

- case study.

Session hijacking Concepts

- Network Level Session Hijacking, Application Level Session Hijacking, Countermeasures, Penetration Testing.

Hacking Web servers, Compromise of user accounts, Website defacement, Secondary attacks from the website,

- Root access to other applications or servers, Data tampering and data theft.

Hacking Web Applications:-

Web App concepts, Web App Threats, Hacking Methodology, Web Application Hacking Tools, Security Tools,

- Web App Pen Testing.

SQL Injection, SQL Injection concepts, SQL Injection Methodology, Types of SQL Injection, Evasion Techniques,

- Countermeasures.

Hacking Wireless Networks, Wireless Concepts, Wireless Hacking Methodology Wireless Encryption, Wireless

- Hacking Tools, Wireless Threats, Bluetooth Hacking, Wi-Fi Pen Testing.

Hacking Mobile Platforms, Mobile Platform Attack Vendors, Hacking Android IOS Hacking IOS, Hacking

- windows phone OS, Mobile device Management, Mobile pen-testing.

Evading IDS, Firewalls, and Honeypots, IDS, Firewall and Honeypot concepts, IDS, Firewall and Honeypot

- solutions, Evading IDS, Evading Firewalls.

- IDS/Firewall Evading Tools, Detecting Honeypots, IDS/Firewall Evasion countermeasures, Penetration testing.

Cloud Computing, Introduction to Cloud Computing, Cloud computing Threats Cloud Computing Attacks, Cloud

- Security, Cloud Security Tools, Cloud Penetration Testing.

Cryptography, Cryptography concepts, Encryption Algorithms, Cryptography Tools, Public Key Infrastructure

- (PKI), Email Encryption, Disk Encryption, Cryptography Attacks, Cryptanalysis Tools