

Cyber Security & Advanced Ethical Hacking

OBJECTIVE: Introduction to Ethical Hacking

SESSION 1:

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

SESSION 2:

- Ethical Hacking Start Up Basics
- Information gathering & Google Hacking (Theory & Practical)
- Windows security (Theory & Practical)
- SQL injections attacks (Theory & Practical)

SESSION 3:

- Further practical
- Phishing, Trojan & viruses
- Session hijacking & Cookie grabbing
- Social Engineering Attacks
- DNS Spoofing
- E-Mail Hacking, forging & tracing
- Fake SMS & Calls

SESSION 4:

- Charge/penalties against hacking in INDIA

SESSION 5:

- Hacking using BackTrack
- Man-in-the-middle attack (MITM Attack) (Practical)
- Cross site scripting attack (XSS) (Practical)

Practical Covered:

- 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)