

Ethical Hacking & Cyber Security

Day-1

Session #1

INTRODUCTION TO ETHICAL HACKING

- What Is Cyber Crime?
- How Does Hacking Play an Important Role in Cyber Crime?
- What Kind of Hackers in The World?
- What Is Ethical Hacking?
- What Is the Difference Between Hackers and Ethical Hacker?
- Different Types of Hackers.
- What Different Roles They Play.
- What Are the Steps an Ethical Hacker Follow?

Session #2

INTRODUCTION TO DATA HIDING TECHNIQUE

- UNDERSTAND SOME KEYWORDS (TROJAN, VIRUS, WORMS AND KEYLOGGERS)
- LET US LEARN SOME DATA HIDING TECHNIQUE (STEGANOGRAPHY), PROTECT YOUR PERSONAL DOCUMENTS (CRYPTOGRAPHY)
- LEARNING VARIOUS ATTACKS AND TERMINOLOGIES
- LET US KNOW PHISHING, AND LEARN SOME USING SOCIAL SITES (EMAIL, FACEBOOK, TWITTER) ATTACKS & SECURITY
- LET US SEE WHAT FIREWALL AND HONEYPOT

Day-2

Session #3

- SESSION HIJACKING AND DATA TAMPERING
- DOS AND DDOS ATTACK
- WHAT IS HACKING WITH USB
- LEARNING HOW TO GENERATE VIRUSES.

Session #4

LEARNING PORT SCANNING AND TOOLS USED IN SCANNING

- LEARNING PORT SCANNING USING NMAP.
- LEARNING WEBBROWSER SCANNING USING BURPSUIT.
- LEARNING WEB PAN TESTING TECHNIQUES

Miscellaneous Session

- Career Opportunities/Guidance/Counselling
- CYBER LAWS IN INDIA
- BASIC STEPS TO AVOID CYBER FRAUDS

HIGHLIGHTS OF PROGRAM

- INTRODUCTION TO ETHICAL HACKING
- INTRODUCTION TO DATA HIDING TECHNIQUE
- LEARNING VARIOUS ATTACKS AND TERMINOLOGIES
- IMPLEMENTING DIFFERENT ATTACKS
- LEARNING PORT SCANNING AND TOOLS USED IN SCANNING