

ETHICAL HACKING

Module 1: Basics of Information Security

- Introduction to Information Security & Ethical Hacking
- Basics of Networking, Operating System and Databases

Module 2: Desktop & server Security

- Windows Security
- Hacking into Windows XP, NT
- Deleted Files Restoration
- Registries
- Vulnerability of windows platform
- Securing Windows, Windows Firewall, Windows Security Center
- Windows Task Manager
- System Configuration Utility
- Windows Password Breaking
- Counter Measure of password Breaking
- Port Scanning
- Virus, worms spywares
- Spywares
- Modes of Spreading

Module 3: LAN security and TCP/IP basics

- Setting up a Local Area Network Connection
- Threats to LAN
- Network and File Sharing
- Firewalls
- Anti Virus & Anti Spywares
- Network Scanners
- Hacking MAC Address
- Wi-Fi Network Security, Firewalls and security
- Introduction to Firewalls, Working of a Firewall
- Types of Firewalls
- Logging

Module 4: Internet security

- IP Addresses
- Finding an IP Address
- Anonymous Surfing
- Analysis of Email Headers
- Anonymous Proxies
- IP Spoofing, Transparent Proxies
- IP Tracing using Email
- Distorting Proxies
- Email Tracking, Elite Proxies
- Art of Googling
- Free Proxy Servers
- Proxies Servers
- Cryptography
- Microsoft Outlook Security & Configuration
- Stegenography
- Forensics

Module 5: Project Work

- Penetration into Windows System
- Creating Phishing Pages
- Editing windows, Registry Editing, Art of Googling
- Maintaining a website and Social Engineering attack
- SQL Injection Attack on test site only