



Course: [Cyber security](#)

Program: [Hands on Basic of Cyber security](#)

Duration: [2 days | Certified Training](#)

Description

Hungry for getting a grip over Hacking???Then you're indeed at the right Place. Hacking isn't a rocket science nor is it bad!! Anyone can learn it. The workshop is all about exploiting the internet and exciting demonstrations will be shown. The world around you gives very little opportunity to learn these skills as they are expensive, realizing its importance, we've stretched our limits to feed you with these "sophisticated" skills. The web is in your hands!! Start Debouncing!

Topics to be covered:

Day 1

- Introduction
- Types of Hackers
- Current Scenario
- Getting started with cyber security
- Concept of Virtualization
- Setting up a hacking playground for practice
- Command Line basics both Linux and windows
- How internet works?
- Private vs Public IP
- How DNS works?
- DNS Poisoning
- Understating TCP/IP communication via chatting between computers
- Analysing traffic via Wireshark to learn about TCP 3-way handshake.
- What is a shell?
- Reverse shell vs Bind Shell
- Data Exfiltration
- Setting up a cross platform RAT



- Reconnaissance
- Scanning
- Gaining Access
- Maintaining Access
- Clearing Tracks
- Hacking various operating systems and controlling camera, Mic etc.

Day 2:

- AV Evasion Techniques
- Art of Social Engineering
- Smartphone hacking
- Metasploit framework
- Remote and client-side attacks
- Tunnelling and port forwarding
- Exploit research – Advanced Topic may be covered if students are interested
- Hacking web applications
- Into the Darknet & Deep Web
- Concept of Bitcoins
- Building a BadUSB for hacking
- Introduction Raspberry pi and its application for hacking (WIFI Pineapple, Poison Tap etc.)
- Wireless Hacking
- Building your own low-cost Wi-Fi jammer
- Hacking IoT Devices
- Reverse Engineering Router firmware's and Backdooring
- Countermeasures for Securing your life
- Job Opportunities and Freelancing in the Field of Cyber Security



CTF

Capture the flag event using few vuln hub VMS or Hack the Box platform.

Requirements:

- Projector
- Internet
- LAN Connectivity
- Wireless MIC

Software and Tools:

- VirtualBox
- Kali Linux VM
- Windows 7 VM