#### **CEH v.11 (Certified Ethical Hacker)**

- Introduction to Ethical Hacking
- Foot printing and Reconnaissance
- Scanning Network
- Enumeration
- Vulnerability Analysis
- System Hacking
- Malware threats
- Sniffing
- Social Engineering
- Denial-of-Service
- Session Hijacking
- Evading IDS, Firewalls and Honeypots
- Hacking Web Servers
- Hacking Web Applications
- SQL Injections
- Hacking Wireless Networks
- Hacking Mobile Platforms
- IoT and OT Hacking
- Cloud Computing
- Cryptography



#### **PWK (Penetration Testing with Kali)**

- Penetration Testing: What You Should Know
- Getting Comfortable with Kali Linux
- The Essential Tools
- Passive Information Gathering
- Active Information Gathering
- Vulnerability Scanning
- Buffer Overflows
- Working with Exploits
- File Transfers
- Privilege Escalation
- Client-Side Attacks
- Web Application Attacks
- Password Attacks
- Port Redirection and Tunneling
- The Metasploit Framework

## Sec 580 (Metasploit Kungfu for Enterprise Pen Testing)

- Metasploit Introduction
- Metasploit Console Commands
- Metasploit Exploitation
- Meterpreter, Script, Post Modules
- Metasploit Reconnaissance, Scanning
- Client-Side Exploitation
- Metasploit Malwares
- Metasploit Integrations
- SET Toolkit



# **Sec 560 (Network Penetration Testing and Ethical Hacking)**

- Pen Test Planning
- Recon
- Scanning
- Exploitation
- Post- Exploitation
- Password Attacks and Merciless Pivoting
- Web App Attacks



## **WIFU (Wireless Penetration Testing and Security)**

- Wireless Network Introduction
- Packet and Network Interaction
- Air crack-ng Essentials
- WEP Cracking Attacks
- WPA/WPA2 Cracking Attacks
- Cracking WPA with JTR and Air crack-ng
- Rogue Access Point
- Additional Air crack-ng Tools

