Ethical Hacking & Penetration Testing

Description:

Ethical hacking is a topic that has grown increasingly essential in today's world, and it can assist individuals and companies in adopting safe IT practices and usage. This ethical hacking course will teach you those skills as well as prepare you for associated certification examinations, allowing you to demonstrate your competence.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Course material

Course resources

On demand recorded videos

Practical exercises

Quizzes

Assignments

Course completion certificate

What we learn:

Introduction to the world of Security Audits and Ethical Hacking

Setting up your own pentesting lab

Getting friendly with Linux and security related commands

Maintaining anonymity

Information Gathering with Kali & Web apps

Introduction to web pentesting and dvwa testing environment

Command Injection (Low-Medium-High), Mitigation and Incident Case Study

Cookie manipulating and insecure session management

Burpsuite complete training with fundamentals

File upload vulnerability

SQL Injection

Boolean Injection & automation with SQL Injection

Requirements:

System with Internet Connection

Interest to learn

Dedication

Instructor:

>Introduction to the world of

Security Audits and Ethical

Hacking:

>>Ethical Hacking Origin

>>types of hackers

>>Introduction to the world of Security Audits and Ethical Hacking

>>Disclaimer and Requirements

>Setting up your own pentesting lab:

>> Grabbing tools

>> Grabbing tools(CORRECTION REQUIRED)

>> Installation of Virtual Box

>> Installing Kali Linux

>> Tour of VB & kali

>> Installing Metsploitable

>> Installing Windows & XP in VB

>Getting friendly with Linux and security related commands:

>> Important Network Settings & Command lines

>> Basic Terminal Commands

>> Managing File Permissions in Linux

>> More terminal security related commands

>Maintaining anonymity:

>> Installing tor, onion routing and dark net

>> Do's and Don't of Tor browser

>> Proxychaining and DNSleaktest

>> Changing your Mac Address

>Information Gathering with Kali

& Web apps:

>> dnsenum (information Gathering)-

>> Zone Transfer Vulnerability-

>>Information Gathering With Dig Tool-

>>Dns Tracing And Wireshark Overview-

>>Information Gathering With Websites-

>>finding Other Domains On Same Server And Comprehensive Dns Report-

>>finding Subdomains And Facebook Subdomain Brute Force Report Studying-

>Introduction to web pentesting

and dvwa testing environment:

>>intro To Web Pentesting(n)-

>>configuring Dvwa In Kali(n)-

>>dvwa Error Solving(n)-

>Command   Injection

(Low-Medium-High),   Mitigation

and Incident Case Study:

>>What is command injection and CI low level breach

>>Breaching medium level of security

>>Command injection - High Level

>>Command injection Mitigation and secure code logic

>>Remote Code Execution incident Report

>Cookie manipulating and insecure session management:

>>Insecure Session management & cookie manipulating flaw

>What is Cross Site Request Forgery? CSRF Attacks & Mitigation:

>>CSRF (N)

>>CSRF()N

>>CSRF Part (N)

>Burpsuite complete training with fundamentals:

>>HTTPS Fundamental & request response method

>>Introduction anad configuring burpsuite

>>Importing HTTPS certificate in burpsuite

>>Understanding all the modules of burpsuite

>File upload vulnerability:

>>File Upload Vulnerability (Low Security)

>>File Upload Vulnerability (Medium)

>File inclusion Vulnerability:

>>LFI & RFI - Low Level

>>NewLFI-RFI (Medium & High level)

>SQL Injection:

>>Sql-Lab-setup & What is database?

>>Sql Fundamentals

>>What is id and how to join the query in SQLi

>>Selecting vulnerable columns and fetching database name

>>dumping the database

>Boolean Injection & automation with SQL Injection:

>>Boolean based queries and fundamentals

>>Boolean based live example

>>Automation with SQL Map

>Cross site scripting:

>>XSS Reflected

>>Stored XSS & yahoo cookie stealing tale

>>DOM Based XSS & Google Lab

>Brute force attacks, OT Bypass

& Payment Gateway Bypass:

>>Brute forcing Password

>>One time password Brute force & Payment Gateway Bypass

>Pentesting   with   automated

tools, report & POC making:

>>Pentesting reports & POC making with Parot

>>Automation with owasp Zap

>>Httrack, WPScan & Accunetix overviews with final words