

HACK VITA 2K 17

Objectives:

Finding the importance of ethical hacking tools
Understanding the ethical hacking process
Implementing ethical hacking tools in an organization

Course Content:

SESSION 1: INTRODUCTION TO ETHICAL HACKING

Introduction to Internet
Introduction to Networking
Introduction to Ethical Hacking

SESSION 2: ETHICAL HACKING START UP BASICS

Information gathering and Google Hacking (Theory and Practical)
Windows Security (Theory and Practical)
SQL Injection Attacks (Theory and Practical)

SESSION 3: FURTHER PRACTICAL

Phishing , Trojan and Viruses.
Session hijacking and Cookie grabbing.
Social Engineering Attacks.
SQL Injection Using DVWA
Introduction of SQL
What are SQL Injection and DVWA ?
Checking SQL Injection Vulnerability(Demo)
Basic strategy of SQL Injection (Demo)
Getting login credentials SQL Injection (Live Demo)
URL and Forms Demo.
SQL Query SELECT,DROP etc.(Demo)
SQL Cheat Sheets(Demo)
Using Source Changes to bypass client side validation(Demo).
Live Demonstration of the Attacks.(Demo)
Using SQL Injection Tools (Demo)
How to protect your System to Attacks.

SESSION 4: DNS & SPOOFING

DNS Spoofing
E-mail Hacking , Forging and Tracing.
Fake SMS & Calls
Charge/Penalties against Hacking an INDIA

SESSION 5: HACKING USING BACK TRACK

Man-in-the-Middle Attack (MITM Attack)

Cross-site-scripting Attack(XSS)

SESSION 6: PROJECT IMPLEMENTATION AND TESTING

Live Info gathering (Nmap, Maltego etc.)

Live active and passive scanning

Live DNS Hijacking(DNS Spoofing)

Live cache poisoning.

Live XSS attack with cookie grabbing

Live DVWA and Web-goat for testing

Live key-loggers attacks

Sending fake E-mails and Email Forging

Fake Calls and call Forging

Live Website hacking using SQL Injection

Live MITM Attack(APR Spoofing)