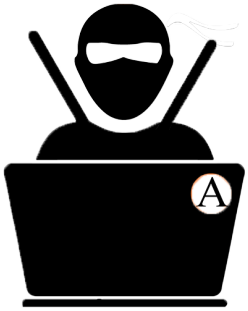

Certification Courseware and Index

1. Learning Outcomes
2. Tools and Languages to be used
3. Understanding Encryption
4. A simple Caesar cipher keyboard
5. Network mapping using N-Map
6. Zenmap, N-Map with UI
7. BurpSuite
8. SQLInjection
9. Metasploitable 2.0
10. Simple Penetration through Metasploit console.
11. Graduating and upcoming courses.

---

1. Learning Outcomes

a) Learn about various network analysis tools.
b) Learn basics of cryptography and code your very own cryptic software in python.
c) Step into the shoes of a hacker, build a powerful trap for anyone sniffing your data.
d) Learn to penetrate in a live hacker's environment, using one of the industry standard penetration tool.

2. Tools and Languages To be Used

a) Python, the crazy versatile language.
b) N-Map.
c) Zenmap.

d) SQLI.
e) BurpSuite.
f) Metasploitable 2.0.
g) Metasploit.

3. Understanding Encryption

a) What is Encryption?
b) Some Industry standards in Encryption?
c) A sample demonstration of the Encryptor 1.0, password safe.
d) What's more?

4. A Simple Caesar's Cipher Keyboard

a) Caesar's Cipher
b) Basics of Python.
c) Coding Caesar's Cipher.

5. Network mapping using N-Map

a) What is N-Map?
b) Downloading N-Map.
c) N-Map Usage.
d) Analysing the network through N-Map.

6. Zenmap, N-Map with UI

a) Installing ZenMap.
b) Analysing results.

7. BurpSuite

a) BurpSuite the best web app scanner.
b) Various attack modes of Burp.
c) Proxy Setup on Burp and Firefox.
d) Repeater.
e) Using Burp.

8. SQL Injection

a) SQLI and where is it possible
b) Setting up the SQLI Lab.
c) PEN testing of web app using SQLI.

9. Metasploitable 2.0

a) What is Metasploitable?
b) Running Metasploitable on a virtual Machine.
c) Risks of Metasploitable.

10. Simple Penetration through Metasploit console

a) Understanding Metasploit.
b) Downloading the tool
c) How does penetration works?
d) Penetrating the Metasploitable network.
e) Gaining Access
f) Realising Results.

11. Graduating as a Certified BSA

a) Collecting your certificate by AINC, Learknight.
b) 50% off on all other upcoming industry relevant certifications by AINC, all year long.
c) Signing up for future access and our awesome newsletter.