



Vendor-Neutral Global IT Certifications

Star Ethical Hacking Expert

Get into ETHICAL HACKING

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EHE
Ethical Hacking Expert

Exam Code : S09-006

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EXAM



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 www.starcertification.org

 info@starcertification.org

Ethical Hacking Expert



This Course provides the opportunity to students & IT professionals who are interested to make career in Cyber Security. In this class, Students and Professionals learn about Viruses, Worms, Sniffers, Social Engineering, Denial of Service, Session Hacking, Hacking Web servers, Hacking Web Applications, SQL Injection, Hacking Wireless Networks, Evading IDS, Firewalls and Honeypots, Buffer Overflow, Cryptography etc. An Ethical Hacker is a Security Professional, who applies their Hacking Skills for Defensive Purposes on behalf of the Owners of Information systems. By using various Hacking Techniques and Tools, Ethical Hacker finds the weaknesses and vulnerabilities of Computer and Information Systems by duplicating the Intent and Actions of Malicious Hackers. Ethical Hacker looks what Information/Locations/ Systems can an Attacker gain access to, what can an Attacker see on the Target, what can an Attacker do with available Information.

Audience:

This course is designed for Students who are interested to make a career in Ethical Hacking/Cyber Security and are passionate to accept challenges with Technology in the IT Industry.

Course Objectives:

In this course, you will learn about:

- Hacking and why one should be Ethical about it.
- Different types of Attacks and how to mitigate them.
- Different Attacks associated with Mobile and Cloud Technologies.
- Implementation of Tools to perform Ethical Hacking.
- Encrypting and Decrypting the Code.

Course Outcome:

After completing this course, you will be able to:

- Discuss Hacking and the need for Ethical Hacking.
- Discuss Types of Attacks and how to Mitigate them.
- Discuss Attacks associated with Mobile and Cloud Technologies.
- Implement tools to perform Ethical Hacking.
- Encrypt and Decrypt the Code.

Course Outline:

1. Exploring Ethical Hacking
2. Associated Protocol
3. Gathering Information About Target Computer Systems
- Footprinting and Investigation
4. Scanning Computers in The Networks
5. Vulnerabilities Associated with Systems
6. Exploring Malware Threats and Their Countermeasures
7. Enumeration - Listing The System/Users and Connecting Them
8. Gaining Access to Systems - Hacking
9. Monitoring and Capturing Data Packets Using Sniffing
10. Restricting The System Access - Denial of Service (Dos Attack)
11. Tricking People to Gather Confidential Information - Social Engineering
12. Web Servers And Threats Associated with IT
13. Web Applications and Threats Associated with IT
14. Controlling User Session with Authenticated TCP Connection - Session Hijacking
15. Injecting Code in Data Driven Applications: SQL Injection
16. Hacking Mobile Platforms and Threats Associated with IT
17. Encrypting and Decrypting The Code - Cryptography and Its Types
18. Evading IDS, Firewalls and Honeypots
19. Wireless Networks and Threats Associated with IT
20. Cloud Computing, Virtualisation and Threats Associated with IT
21. Output Analysis and Reports
22. Economics and Laws - Passwords and Encryption
23. Exploring Artificial Intelligence and Machine Learning
24. Internet Of Things And Security

Exam Information:

Exam Code	: S09-006	Exam Pattern	: Multiple Choice
Exam Duration	: 3 Hrs	Exam Delivery	: AEPTC (ACADEMIC EDUCATION & PROFESSIONAL TESTING CENTER)
Passing Score	: 70%		

Course Duration :

60 Hrs