

# Certified Ethical Hacking Foundation



Certified Ethical Hacking Foundation (CEHF) offered exclusively through GSDC certification exams, serves as evidence of your expertise in ethical hacking practices.



# Certified Ethical Hacking Foundation

## ABOUT CERTIFICATION

The GSDC Certified Ethical Hacking certification is designed to test and validate your knowledge and skills in the field of ethical hacking.

By obtaining the Ethical Hacking Foundation certification, you demonstrate your proficiency in identifying vulnerabilities, assessing risks, and implementing countermeasures to safeguard systems and networks.

Certified ethical hacker certification holds immense value in today's technology-driven world, as organizations across industries recognize the critical need for ethical hackers to protect their sensitive information and digital assets.

## OBJECTIVES

Certified Ethical Hacking Foundation's objective is to shape your knowledge about:

1. Showcase your mastery of ethical hacking that can be used in organizations
2. Solidify your knowledge and display your skills at your organization
3. Understanding of machine learning
4. Use of reverse engineering to better secure corporate networks against data intrusions
5. Advanced network packet analysis
6. Qualified in securing web servers

## Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

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# COURSE SYLLABUS

## 1. Introduction to Ethical Hacking:

- Hacking Ethics
- Legal implications of hacking.
- Types of hackers
- Basic Principles
- White and black box test
- Phases in the hacking process

## 2. Network Sniffing:

- Tools for Network Sniffing
- Tools for Network Sniffing
- Extracting Information
- The function of HTTP headers
- Extract information from HTTP headers

## 3. Hacking Wireless Networks:

- Aircrack-NG
- Airodump-NG
- Functions of tools within Aircrack.
- ESSID&BSSID means

## 4. System Penetration:

- Intel Gathering
- Information on a target online
- Information on a target within a network
- Software Tools (Nmap, Metasploit)
- Can scan a target
- How to combine tools
- Fingerprinting and Vulnerabilities
- How to find vulnerabilities based on scanning results
- Manual fingerprinting
- Exploitation and Post Exploitation
- Vulnerability with Metasploit
- System information after exploitation

## 5. Dimensionality Reduction:

- Database Attacks
  - Test for SQLi vulnerabilities
  - Extracting data with SQLi
  - CONCAT, LOAD\_FILE, UNION, SELECT,
  - @version, ORDER BY, LIMIT
  - Client-Side Attacks
  - Create an XSS PoC (Proof of Concept)
  - Basics of session hijacking i/c/w XSS
  - Basic XSS filters
  - Server Side Attacks
  - RFI
  - PHP shells such as r57 and c99
  - Bind & Back connect shells
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# GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

## Target Audience

- Ethical hackers
- System Auditors
- Security officers
- Security professionals
- Network Engineers and Administrators
- Web managers
- Site administrators
- Network security experts
- Security professionals and Auditors

## Pre-requisites

There are no prerequisites to take up this ethical hacking certification but knowledge of programming and information security will be beneficial.

Find out more online at  
[www.gsdccouncil.org](http://www.gsdccouncil.org)

