



CYBERYAAN
TRAINING & CONSULTANCY

CEH (V12)

**CERTIFIED
ETHICAL
HACKER
EC-COUNCIL**

CYTC SECURITY PVT LTD

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MODULE 1: INTRODUCTION TO ETHICAL HACKING

COVER THE FUNDAMENTALS OF KEY ISSUES IN THE INFORMATION SECURITY WORLD, INCLUDING THE BASICS OF ETHICAL HACKING, INFORMATION SECURITY CONTROLS, RELEVANT LAWS, AND STANDARD PROCEDURES.

MODULE 2: FOOT PRINTING AND RECONNAISSANCE

LEARN HOW TO USE THE LATEST TECHNIQUES AND TOOLS TO PERFORM FOOT PRINTING AND RECONNAISSANCE, A CRITICAL PRE-ATTACK PHASE OF THE ETHICAL HACKING PROCESS.

MODULE 3: SCANNING NETWORKS

LEARN DIFFERENT NETWORK SCANNING TECHNIQUES AND COUNTERMEASURES.

MODULE 4: ENUMERATION

LEARN VARIOUS ENUMERATION TECHNIQUES, SUCH AS BORDER GATEWAY PROTOCOL (BGP) AND NETWORK FILE SHARING (NFS) EXPLOITS, AND ASSOCIATED COUNTERMEASURES.

MODULE 5: VULNERABILITY ANALYSIS

LEARN HOW TO IDENTIFY SECURITY LOOPHOLES IN A TARGET ORGANIZATION'S NETWORK, COMMUNICATION INFRASTRUCTURE, AND END SYSTEMS. DIFFERENT TYPES OF VULNERABILITY ASSESSMENT AND VULNERABILITY ASSESSMENT TOOLS.

MODULE 6: SYSTEM HACKING

LEARN ABOUT THE VARIOUS SYSTEM HACKING METHODOLOGIES—INCLUDING STEGANOGRAPHY, STEGANALYSIS ATTACKS, AND COVERING TRACKS—USED TO DISCOVER SYSTEM AND NETWORK VULNERABILITIES.

MODULE 7: MALWARE THREATS

LEARN DIFFERENT TYPES OF MALWARE (TROJAN, VIRUS, WORMS, ETC.), APT AND FILELESS MALWARE, MALWARE ANALYSIS PROCEDURE, AND MALWARE COUNTERMEASURES.

MODULE 8: SNIFFING

LEARN ABOUT PACKET-SNIFFING TECHNIQUES AND HOW TO USE THEM TO DISCOVER NETWORK VULNERABILITIES, AS WELL AS COUNTERMEASURES TO DEFEND AGAINST SNIFFING ATTACKS.

MODULE 9: SOCIAL ENGINEERING

LEARN SOCIAL ENGINEERING CONCEPTS AND TECHNIQUES, INCLUDING HOW TO IDENTIFY THEFT ATTEMPTS, AUDIT HUMAN-LEVEL VULNERABILITIES, AND SUGGEST SOCIAL ENGINEERING COUNTERMEASURES

MODULE 10: DENIAL-OF-SERVICE

LEARN ABOUT DIFFERENT DENIAL OF SERVICE (DOS) AND DISTRIBUTED DOS (DDOS) ATTACK TECHNIQUES, AS WELL AS THE TOOLS USED TO AUDIT A TARGET AND DEVISE DOS AND DDOS COUNTERMEASURES AND PROTECTIONS

MODULE 11: SESSION HIJACKING

UNDERSTAND THE VARIOUS SESSION HIJACKING TECHNIQUES USED TO DISCOVER NETWORK-LEVEL SESSION MANAGEMENT, AUTHENTICATION, AUTHORIZATION, AND CRYPTOGRAPHIC WEAKNESSES AND ASSOCIATED COUNTERMEASURES.

MODULE 12: EVADING IDS, FIREWALLS, AND HONEYPOTS

GET INTRODUCED TO FIREWALL, INTRUSION DETECTION SYSTEM (IDS), AND HONEYPOT EVASION TECHNIQUES; THE TOOLS USED TO AUDIT A NETWORK PERIMETER FOR WEAKNESSES; AND COUNTERMEASURES

MODULE 13: HACKING WEB SERVERS

LEARN ABOUT WEB SERVER ATTACKS, INCLUDING A COMPREHENSIVE ATTACK METHODOLOGY USED TO AUDIT VULNERABILITIES IN WEB SERVER INFRASTRUCTURES AND COUNTERMEASURES.

MODULE 14: HACKING WEB APPLICATIONS

LEARN ABOUT WEB APPLICATION ATTACKS, INCLUDING A COMPREHENSIVE WEB APPLICATION HACKING METHODOLOGY USED TO AUDIT VULNERABILITIES IN WEB APPLICATIONS AND COUNTERMEASURES.

MODULE 15: SQL INJECTION

LEARN ABOUT SQL INJECTION ATTACKS, EVASION TECHNIQUES, AND SQL INJECTION COUNTERMEASURES

MODULE 16: HACKING WIRELESS NETWORKS

UNDERSTAND DIFFERENT TYPES OF WIRELESS TECHNOLOGIES, INCLUDING ENCRYPTION, THREATS, HACKING METHODOLOGIES, HACKING TOOLS, WI-FI SECURITY TOOLS, AND COUNTERMEASURES

MODULE 17: HACKING MOBILE PLATFORMS

LEARN MOBILE PLATFORM ATTACK VECTOR, ANDROID AND IOS HACKING, MOBILE DEVICE MANAGEMENT, MOBILE SECURITY GUIDELINES, AND SECURITY TOOLS.

MODULE 18: IOT HACKING

LEARN DIFFERENT TYPES OF IOT AND OT ATTACKS, HACKING METHODOLOGY, HACKING TOOLS, AND COUNTERMEASURES.

MODULE 19: CLOUD COMPUTING

LEARN DIFFERENT CLOUD COMPUTING CONCEPTS, SUCH AS CONTAINER TECHNOLOGIES AND SERVER LESS COMPUTING, VARIOUS CLOUD COMPUTING THREATS, ATTACKS, HACKING METHODOLOGY, AND CLOUD SECURITY TECHNIQUES AND TOOLS.

MODULE 20: CRYPTOGRAPHY

LEARN ABOUT ENCRYPTION ALGORITHMS, CRYPTOGRAPHY TOOLS, PUBLIC KEY INFRASTRUCTURE (PKI), EMAIL ENCRYPTION, DISK ENCRYPTION, CRYPTOGRAPHY ATTACKS, AND CRYPTANALYSIS TOOLS.



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