



Technocation Freelancing Training Institute And Software House

CCST Cybersecurity Course Certification Module

MODULE 1: Introduction to Cyber Security

- Learn what cyber security means.
- Understand why data protection is important.
- Know about hackers and cyber threats.
- Explore how security keeps systems safe.

MODULE 2: Types of Cyber Attacks

- Study common attacks like phishing and malware.
- Learn about ransomware and social engineering.
- Understand DoS and brute force attacks.
- Know how these attacks affect users and companies.

MODULE 3: Network Security Basics

- Understand what a network is.
- Learn how firewalls protect data.
- Study routers, switches, and secure connections.
- Know basic tools for network safety.

MODULE 4: Firewalls and Intrusion Detection

- Learn how firewalls block unwanted access.
- Know about IDS and IPS systems.
- Understand how monitoring tools detect threats.
- Practice simple configuration methods.

MODULE 5: Security Tools and Techniques

- Learn about antivirus and encryption tools.
- Use scanners to find system weaknesses.
- Understand penetration testing basics.
- Explore real-world security tools in action.

MODULE 6: Encryption and Data Protection

- Learn how encryption keeps data private.
- Understand public and private keys.
- Explore SSL, HTTPS, and secure emails.
- Protect files using password and code methods.

MODULE 7: Cyber Ethics and Legal Issues

- Know what ethical hacking means.
- Learn about cyber laws and privacy rules.
- Understand responsible use of data.
- Avoid illegal online behavior.

MODULE 8: Ethical Hacking Fundamentals

- Learn what an ethical hacker does.
- Study hacking phases: Recon, Scan, Attack, Report.
- Practice safe testing on virtual machines.
- Build ethical hacking mindset.

MODULE 9: Cloud Security

- Understand what cloud computing is.
- Learn risks in storing data online.
- Explore security tools for cloud systems.
- Protect cloud accounts from attacks.

MODULE 10: Security Risk Management

- Learn how to find and rate risks.
- Know about risk control methods.
- Plan for prevention and response.
- Make reports on system safety levels.

MODULE 11: Incident Response and Recovery

- Learn how to handle security incidents.
- Study the steps: detect, contain, recover.
- Create an emergency action plan.
- Record and report all incidents.

MODULE 12: Advanced Threat Analysis

- Identify new and smart cyber threats.
- Learn about AI in threat detection.
- Study real attack patterns and behavior.
- Practice using analysis tools.

MODULE 13: Certification & Final Assessment

- Review all modules and key skills.
- Complete a practical security test.
- Pass the final online quiz.
- Earn your **CCST Cyber Security Certification**

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