TRAINING TITLE

SEC301: INTRODUCTION TO CYBER SECURITY

Training Duration

5 days

Training Venue and Dates

Ref. No. CSI91	SEC301: INTRODUCTION TO CYBER SECURITY	5	03-07 Feb. 2025	$5,500	Dubai, UAE

In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- **$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch**

Training Certificate

Define Management Consultants Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

Every organization is responsible for ensuring cybersecurity. The ability to protect its information systems from impairment or even theft is essential to success. Implementing effective security measures will not only offer liability protection; it will also increase efficiency and productivity. With our Cyber Security workshop participants will understand the different types of malware and security breaches and develop effective prevention methods which will increase overall security. They will also understand the basic concepts associated with Cyber Security and what a company needs to stay secure.

TRAINING OBJECTIVES

By end of course participants will be able to understand

- **Understand Cyber Security Concepts**
- **Identify and Assess Cyber Threats**
- **Explore Common Cyber Attacks**
- **Learn About Cyber Security Frameworks**
- **Explore Security Measures and Best Practices**
- **Understand the Role of Incident Response**
- **Promote Cyber Security Awareness**
- **Understand Legal, Ethical, and Compliance Aspects**

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WHO SHOULD ATTEND?

- Individuals New to Cybersecurity
- IT Professionals
- Business and Organizational Leaders
- Compliance Officers
- Risk Managers
- Students or Individuals Interested in Cybersecurity
- Anyone Interested in Enhancing Cybersecurity Awareness

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

COURSE PROGRAM

Module One: Getting Started

- Workshop Objectives

Module Two: Cyber security Fundamentals

- What is Cyberspace?
- What is Cyber security?
- Why is Cybersecurity Important?
- What is a Hacker?
- Case Study
- Module Two: Review Questions

Module Three: Types of Malware

- Worms
- Viruses

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- Spyware
- Trojans
- Case Study
- Module Three: Review Questions

Module Four: Cyber Security Breaches

- Phishing
- Identity Theft
- Harassment
- Cyberstalking
- Case Study
- Module Four: Review Questions

Module Five: Types of Cyber Attacks

- Password Attacks
- Denial of Service Attacks
- Passive Attack
- Penetration Testing
- Case Study
- Module Five: Review Questions

Module Six: Prevention Tips

- Craft a Strong Password
- Two-Step Verification
- Download Attachments with Care
- Question Legitimacy of Websites
- Case Study
- Module Six: Review Questions

Module Seven: Mobile Protection

- No Credit Card Numbers
- Place Lock on Phone
- Don't Save Passwords
- No Personalized Contacts Listed
- Case Study
- Module Seven: Review Questions

Module Eight: Social Network Security

- Don't Reveal Location
- Keep Birthdate Hidden

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- Have Private Profile
- Don't Link Accounts
- Case Study
- Module Eight: Review Questions

Module Nine: Prevention Software

- Firewalls
- Virtual Private Networks
- Anti-Virus & Anti-Spyware
- Routine Updates
- Case Study
- Module Nine: Review Questions

Module Ten: Critical Cyber Threats

- Critical Cyber Threats
- Cyber terrorism
- Cyberwarfare
- Cyberespionage
- Case Study
- Module Ten: Review Questions

Module Eleven: Defense Against Hackers

- Cryptography
- Digital Forensics
- Intrusion Detection
- Legal Recourse
- Case Study
- Module Eleven: Review Questions

Module Twelve: Wrapping Up

- Words from the Wise
- Review of Parking Lot
- Lessons Learned
- Completion of Action Plans and Evaluations

NOTE:

Pre-& Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day reviews, and assessments will be carried out.

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