

# € TRAINING

Implementing IT Security in Organizations  
with Risk Analysis and Methodology

4 - 8 August 2024  
Cairo (Egypt)





# Implementing IT Security in Organizations with Risk Analysis and Methodology

REF: B991 DATE: 4 - 8 August 2024 Venue: Cairo (Egypt) - Fee: 4095 Euro

## Introduction:

This training program provides participants with essential knowledge and skills in implementing IT security within an organization. It empowers them to conduct comprehensive risk analysis and apply effective security methodologies to protect organizational assets.

## Program Objectives:

At the end of this program, participants will be able to:

- Understand the fundamentals of IT security.
- Conduct thorough risk analysis for IT infrastructure.
- Develop and implement effective security policies and procedures.
- Utilize security methodologies and best practices.
- Monitor and manage security risks continuously.

## Targeted Audience:

- IT Security Professionals.
- Network Administrators.
- IT Managers.
- Risk Management Professionals.
- Personnel involved in organizational IT security.

## Program Outline:

### Unit 1:

#### Introduction to IT Security:

- Overview of IT security principles.
- Importance of IT security in organizations.
- Types of security threats and vulnerabilities.

- Security frameworks and standards ISO/IEC 27001, NIST.
- Building a security-aware culture.

## Unit 2:

### Risk Analysis Fundamentals:

- Understanding risk analysis and its importance.
- Identifying and assessing security risks.
- Risk assessment methodologies qualitative vs. quantitative.
- Tools and techniques for risk analysis.
- Documenting and reporting risk analysis findings.

## Unit 3:

### Security Policy Development:

- Developing comprehensive security policies.
- Key components of an IT security policy.
- Aligning security policies with organizational goals.
- Implementing access control and data protection measures.
- Policy enforcement and compliance.

## Unit 4:

### Implementing Security Methodologies:

- Overview of security methodologies defense-in-depth, zero trust.
- Network security architecture and design.
- Endpoint security measures.
- Application security practices.
- Incident response planning and execution.

## Unit 5:

## Continuous Security Monitoring and Management:

- Importance of continuous security monitoring.
- Implementing security information and event management SIEM systems.
- Conducting regular security audits and assessments.
- Managing security incidents and breaches.
- Adopting continuous improvement practices.