



*Training Course:
IT Risk Management*

*27 June - 1 July 2027
Cairo (Egypt)*

Training Course: IT Risk Management

Training Course code: IT234824 From: 27 June - 1 July 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

Risk management is the identification, assessment, and prioritization of risks followed by the coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events or to maximize the realization of opportunities.

This course is built around globally accepted standards such as ISO 31000:2009 and frameworks such as ISACA's Risk IT, and NIST and OCTAVE guidelines for risk management.

Objectives

Upon completion of this course, participants will be able to:

- Identify where and how to reduce known/unknown IT risks
- Identify areas of cost-benefit optimization and thus reduce IT expenditure
- Understand the ISO 31000:2009 standard and its applicability to the corporate environment
- Understand risk assessment as addressed in BASEL II, ISO 20000, ISO 27001, ITIL, COSO, COBIT, BS 25999 and its relevance to IT
- Understand the different IT Risk Assessment Standards, Models and Methodologies - NIST's SP-800-30, and OCTAVE™, ISO 27005
- Insights on the practical use of risk assessment and control evaluation techniques

Target Audience

This course is intended for professionals involved in managing, assessing, or mitigating IT and information security risks, including:

- IT Risk Managers and Risk Analysts responsible for identifying and evaluating IT risks
- Information Security Professionals and Cybersecurity Specialists
- IT Managers and IT Governance Professionals
- Compliance Officers and Internal Auditors working with standards and regulatory frameworks
- Business Continuity and Disaster Recovery Professionals
- IT Consultants involved in risk assessment and enterprise risk management
- Project Managers overseeing IT systems, infrastructure, or security projects
- Professionals preparing for roles aligned with frameworks such as ISO 31000, ISO 27001, COBIT, ITIL, and NIST

- Decision-makers responsible for aligning IT risk strategies with business objectives

Course outline

Day 1:

- Background
- Briefing on the Definition of Risk and Risk in the context of Information Technology
- Discussion and recording: Known risk scenarios
- IT Risk Management Initiative
- Project Planning Requirements
- Groundwork:
- General Risk Scenarios
- Understanding Business-specific, industry-specific, region/location-specific scenarios
- Recording the scenarios

Day 2:

- Management Buy-in
- Degree of business dependence on information technology
- Understanding and recording technology-specific risks
- Tying in general risk scenarios with IT risks
- Techniques of building a business case
- Budgeting
- Project Planning
- Resource Identification and Allocation

Day 3:

Understanding the Concepts and Techniques

- IT Risk Management Cycle

- Technology and business drivers
- Risk Terms - Asset, Threat, Threat Agent, Threat Event, Vulnerability, Countermeasure, Risk, Residual Risk
- Risk Assessment Methodology
- ISO 31000:2009 Overview

IT Risk Assessment:

- IT Process Selection
- IT Component Selection
- Approach Selection
- Risk Discussion :
- Risks from IT Strategy adopted
- Risks from IT Processes and Plans
- Risks from Networks and Systems
- Risks from Business Applications
- Risks from Internal Application
- Risks from Devices - Security Implementation, Disaster Recovery, Business Continuity
- Risks from Internal and External customers
- Applying ISO 31000 and Risk IT for Risk Assessment
- Challenges and Solutions
- Case Study I

Day 4:

- IT Risk Mitigation:
- IT Risk Mitigation Options
- IT Risk Mitigation Strategy
- Controls' Identification and Analysis

- Cost Benefit Analysis
- Calculating Residual Risk
- Case Study II
- Applying ISO 31000 and Risk IT for Risk Mitigation

Day 5:

- Evaluation IT Risk Management Cycle:
- Project Evaluation
- Learning from Selection and Execution techniques
- Integrating IT Risk Management with various frameworks and standards - BASEL II, ISO 20000, ITIL, COSO, COBIT, ISO 27001, BS 25999
- IT Risk Management Cycle: A Revision

Registration form on the Training Course: IT Risk Management

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