



INFORMATION TECHNOLOGY (IT) RISK MANAGEMENT

2 DAY MASTERCLASS TRAINING PROGRAM

Concept & Application

PROGRAM OBJECTIVE

Gain critical foundational knowledge of IT risk concepts, practices and impacts on IT and business

PROGRAM OVERVIEW

Understanding and managing everyday risks faced by organizations worldwide has been made easy through the implementation of IT Risk Management. Effective IT Risk Management assists in correctly identifying and mitigating risks that can ultimately prevent business goals from being achieved. This focused program on information technology risk over 2 full days covers the concept & principles of IT risk management, the core components of an effective IT Risk Framework, responsibilities and accountability for IT risk, how to build risk awareness and how to communicate risk.

CORE LEARNING OUTCOMES

- Knowledge and awareness of the importance of information technology risk management.
- Understanding the types of IT threats that organisations face
- Governance requirements to enable an effective IT Risk Management Framework.
- Learning how to Manage IT Risk
- Interactive Discussions, brainstorm & Real-life Case studies to demonstrate the importance of IT Risk Management.
- Understanding the core elements and requirements of an effective enterprise IT Risk Management process



- Get a holistic understanding of IT risk management
- Articulate information technology risks as business consequences
- Develop IT Risk management skills and understanding how to build a strong culture of IT Risk Management awareness

TARGET AUDIENCE - WHO SHOULD ATTEND?

This course is ideal for all industry professionals seeking to obtain an in-depth understanding on the role and importance of information technology risk management and to learn about how to implement an effective IT Risk Management Process within an organisation

LEVEL OF THE COURSE

Intermediate to Advanced. Candidates should ideally have 1-2 years experience in a risk or technology related field. An awareness of ISO standard - ISO 27001 would be beneficial.

TRAINING METHODOLOGY

This is a 'Practitioner' course and leans heavily on a combination of both knowledge and practical exercises designed to reinforce the concepts to build the delegates' confidence in implementing information technology risk management. The course is also designed to encourage debate, and the sharing of knowledge and experience between the course delegates.

TRAINING PROGRAM OUTLINE

DAY 1 - MORNING SESSION

- What is Risk Management?
- The Risk Management Process according to best practice ISO standards.
- The value proposition of managing Risk - Key Benefits.
- Definition & Concept of IT Risk Management.
- Why is IT Risk Management important?
- Types of General IT Risk Threats
- Criminal IT threats
- **Case Study 1 2023** - FAA System Failure
- **Team breakout & Brainstorm** - Developing a robust IT Risk Capability

DAY 1 - AFTERNOON SESSION

- Learning how to manage IT Risks
- Information Technology Risk Management planning
- Risk Management controls for IT Risk
- Risk Management best practices that foster a Security Conscious Culture
- Key steps in the IT risk management process.
- Best practices for information risk management.
- Role of the board of directors and senior management.
- Policies, Standards and Procedures
- Policies and procedures types associated with IT Risk Management.
- Management of Information Assets
- Management of Third-Party Services
- Competency and Background Review

- Security Awareness and Training
- Managing IT risk with practical steps
- **Case Study 2** - Marriott Hotel System
- **Team Breakout** - Key Lessons learnt and proposed Solutions.

DAY 2

MORNING SESSION

- Role of System Development Life Cycle and Security-By-Design
- System Requirements Analysis
- System Design and Implementation
- System Testing and Acceptance
- Quality Management
- Software Application Development and Management (Secure Coding, Source Code Review and Application Security Testing)
- IT Service Management (IT Service Management Framework)
- Configuration Management
- Technology Refresh Management
- Patch Management
- Change Management
- Software Release Management
- Incident Management

DAY 2 - AFTERNOON SESSION

- Problem Management
- IT Resilience (System Availability)
- System Recoverability
- Testing of Disaster Recovery Plan
- System Backup and Recovery
- Data Centre Resilience
- Access Control (User Access Management)
- Privileged Access Management
- Remote Access Management
- Cryptography- (Cryptographic Algorithm and Protocol)
- Cryptographic Key Management
- Data and Infrastructure Security (Data Security)
- Network Security
- System Security
- Virtualization Security
- Internet of Things
- Cyber Security Assessment - (Vulnerability Assessment)
- Penetration Testing
- Role of Cyber Exercises
- Customer Authentication and Transaction Signing
- Fraud Monitoring
- Customer Education and Communication
- -The Top 5 Technology Challenges In 2023

CORPORATE HEADOFFICE
MELBOURNE, POINT COOK, VICTORIA
AUSTRALIA
Email: msk@kyrconsulting.com