# IT General Controls

## Course Duration: 8 Hours (1 Day)

## Overview

The IT General Controls course provides a comprehensive understanding of the controls necessary to ensure the integrity, confidentiality, and availability of information systems. This course is crucial for IT professionals, auditors, and anyone interested in the governance of IT systems. Module 1: General Concepts introduces learners to the basics of IT general controls, including types, Applicable standards, Assurance mechanisms, and Key technology processes essential for maintaining a robust IT environment. Module 2: Logical security dives into securing systems through proper Identification, Authentication, Authorization, and Auditing, with a strong focus on effective Access management practices. Module 3: IT change management guides learners through the various aspects of managing changes in IT environments, emphasizing the importance of Documentation, Approval processes, Segregation of duties, and post-implementation review to mitigate risks associated with changes. Module 4: Corrective controls focus on the processes related to Business Continuity, Disaster Recovery, Backup processing, and incident response, ensuring learners understand how to maintain operations in the face of unexpected events. This course equips participants with the knowledge and skills to assess and implement IT general controls effectively, enhancing the security and resilience of their organization's IT infrastructure.

## Audience Profile

The IT General Controls course is ideal for professionals focused on IT security, risk management, and compliance, including:

- IT Auditors
- Information Security Analysts
- IT Risk Managers
- Compliance Officers
- Network Administrators
- System Administrators
- IT Consultants
- Chief Information Security Officers (CISOs)
- IT Control Analysts
- Cybersecurity Specialists
- Data Protection Officers
- IT Managers
- Change Managers
- Quality Assurance Managers
- Business Continuity Planners

- Disaster Recovery Coordinators

## Course Syllabus

## General Concepts

- Overview of IT general controls
- Types of IT general controls
- Applicable standards
- Assurance
- Key technology processes

## Logical Security

- Identification, authentication, authorization, and auditing
- Access management

## IT Change Management

- Types of changes
- Need identification
- Change process and types of controls
- Change request documentation
- Change request approval
- Change prioritization
- Change execution and testing
- End-user approvals
- Change schedules, coordination, and implementation
- Segregation of duties
- Post-implementation review
- Variations in change management

## Physical and Environmental Security

- Physical and environmental controls
- Physical and environmental security concepts

## Corrective Controls

- Corrective control processes
- Business continuity planning
- Disaster recovery
- Backup processing

- Incident response