IT Auditing Course Training

Welcome to the IT Auditing Complete Training

What you'll learn

- Understand the fundamentals of IT auditing, including its purpose, principles, and methodologies
- Explore different IT governance frameworks and control frameworks commonly used in IT auditing, such as COBIT and ITIL
- Learn how to identify, assess, and prioritize IT risks. Understand the process of conducting risk assessments, developing risk management strategies and more
- Explore key concepts related to information security, including confidentiality, integrity, and availability.
- Gain knowledge of regulatory frameworks and compliance requirements that impact IT auditing, such as GDPR and PCI-DSS
- Develop skills in planning and conducting IT audits. Learn how to define audit objectives, scope audits, gather evidence, perform testing, and document findings
- Understand the unique challenges and risks associated with auditing emerging technologies, such as cloud computing, blockchain, and artificial intelligence.
- Develop effective communication skills for presenting audit findings and recommendations to stakeholders.
- Understand the ethical considerations and professional standards that guide IT auditors.

Who this course is for:

- Aspiring IT Auditors: If you are looking to enter the field of IT auditing, this course provides a solid foundation. It equips you with the necessary knowledge and skills to start a career in IT auditing and perform effective audits.
- IT Professionals: If you are already working in the IT industry and want to expand your skill set, our course can help you specialize in IT auditing. It enhances your understanding of IT controls, risk management, and compliance, allowing you to contribute to auditing processes within your organization.
- Internal Auditors: For professionals already working in internal audit roles, our course offers a focused perspective on IT auditing. It helps you develop the expertise needed to assess IT controls, evaluate risks, and ensure compliance within information systems.
- Risk and Compliance Professionals: If you are involved in risk management or compliance functions, understanding IT auditing is crucial. Our course provides insights into IT risk assessment, control frameworks, and regulatory compliance, enabling you to better address IT-related risks and compliance requirements.
- IT Managers and Consultants: IT managers and consultants can benefit from our course by gaining a deeper understanding of IT auditing practices. It helps you align IT strategies with business objectives, assess IT risks, and implement effective controls for improved governance and compliance.
- Professionals Seeking Career Advancement: If you are seeking career advancement opportunities within IT auditing, our course can provide the necessary skills and certifications to boost your credentials. It enhances your marketability and opens doors to senior-level positions in IT auditing and related fields.

Course requirements

- Familiarity with fundamental concepts of information technology, such as computer systems, networks, databases, and software applications, will provide a solid foundation for understanding IT auditing principles.
- Prior experience in auditing, risk management, compliance, or related fields can be advantageous. It will help you relate to audit processes, control frameworks, and risk assessment methodologies covered in the course.
- A basic understanding of business processes and their integration with IT systems will assist in comprehending the impact of IT controls on overall organizational operations.
- Although not mandatory, having knowledge of auditing standards and guidelines, such as those issued by the Institute of Internal Auditors (IIA) or Information Systems Audit and Control Association (ISACA), can be helpful.

Course Duration

30 Hours

Course Overview:

1. Introduction to IT Auditing:
    - Overview of IT Auditing
2. Introduction to IT & Information System:
    - Information system Auditing Key Principals
    - Internal & External Auditing
    - Audit Process Overview
    - Audit Committee and Charter
    - Engagement letter and using external resources
    - Types of Auditing
    - Planning for Audit engagement
    - Conducting the Audit
    - Audit Evidences and How to collect proper Evidences
    - The Evaluation of Controls
    - The Process of Sampling
    - Audit Report and Follow up activities
3. Understanding the Business and Governance:
    - What is Governance and Management
    - Corporate Structure
    - Data Owner, Data Custodian
    - RACI Matrix and use with defining roles and responsibilities
    - IT & Security Strategy and alignment with business Objectives
    - Policies as tools to establish governance
    - What do you expect to see inside policy document
    - Standards
    - Procedures & Guidelines
4. COBIT Framework and Management of IT:
    - IT Infrastructure
    - Overview about COBIT Framework
    - IT Organization and Functions
    - Security Functions and Security Management Roles

- Security Manager Roles
- Performance Management and Tools
- Portfolio Management, Capacity Management and IT Investments
- Understand Capex & Opex and ROI and ROSI

5. Controls and How to Select Controls:
    - What is Control?
    - Acquiring Control Process
    - Risk Management
    - Inherent and Residual Risk and its Calculation
    - Control Selection and Implementation
    - Defence in Depth and Control References
    - Key Performance Indicators and Assess Control
6. IT Foundations for New Auditors:
    - Application and Network Architecture
    - Computing Device components
    - Computing device forms and types of OS and Platforms
    - The Process of Acquiring new technology
    - Introduction to Network
    - Network Topologies
    - Traffic Processing really with Understanding of OSI Model Layers
    - Network Security – Layer Security
    - Network Security Terminologies and Tools
    - Introduction to Database
    - Database Security best practices
    - AAA
    - LDAP
    - Authentication and Password Security
    - Multi Factor Authentication
    - Storage Media types
    - RAID
    - Data Backup Overview
    - Types of Backups
    - Endpoint Security Software and Best Practices
    - Programming
    - What is Secure Coding?
    - Virtualization
    - Containers and Serverless Computing
    - Software Defined Networks
    - Cloud Computing
    - Cloud Security and Contractual Requirements
7. Process Foundations for New Auditors:
    - Asset Management
    - Configuration Management
    - Release Management
    - Patch Management
    - Security vulnerability
    - Change Management
    - Data Lifecycle
    - Data Destruction and Disposal
    - Incident Management Process
    - Business Continuity Management
    - Personnel and HR Management

- Security Principals – Separation of Duties, Two-man control etc.
- Outsourcing and Third-Party Management
- Supply Chain Risk Management
- SOC Audit and Types of SOC Report

8. Legal and Standards aspects:
    - Frameworks and Standards
    - Privacy Laws and Regulations
    - Objective of Security and Privacy
    - Intellectual Property Concept
    - Understanding of software types and its licences