

Cyber Security Audit

Course Duration : 40 Hours

Course code : CSA

1. Course Overview

The Cyber Security Audit course is designed to equip professionals with the skills required to assess, audit, and strengthen an organization's cybersecurity posture. This course focuses on evaluating security controls, identifying vulnerabilities, ensuring compliance with regulatory standards, and managing cyber risks. Learners gain hands-on knowledge of audit methodologies, security frameworks, and best practices used to protect enterprise IT environments.

2. What you'll learn?

- Cybersecurity audit principles and methodologies
- Security governance, risk, and compliance (GRC) concepts
- Auditing security controls and infrastructure
- Vulnerability assessment and risk identification
- Compliance with cybersecurity standards and regulations
- Reporting, remediation, and continuous improvement

3. Target Audience

- Cyber Security Auditors
- IT Auditors and Risk Professionals
- Information Security Managers
- Compliance and Governance Professionals
- IT and Security Consultants

4. Pre-Requisites

- Basic understanding of IT infrastructure and networking
- Knowledge of information security fundamentals is recommended
- Prior experience in IT, security, audit, or compliance roles is beneficial

5. Course Content (Modules)

Module 1: Introduction to Cyber Security Auditing

- Cybersecurity audit objectives and scope
- Audit standards and frameworks
- Roles and responsibilities of a security auditor

Module 2: Security Governance and Risk Management

- Governance structures and policies
- Risk assessment and management techniques
- Compliance requirements and regulatory standards

Module 3: Infrastructure and Network Security Audit

- Network security controls and firewalls
- Server, endpoint, and cloud security audits
- Identity and access management (IAM)

Module 4: Application and Data Security Audit

- Secure application development review
- Data protection and encryption controls
- Privacy and data security considerations

Module 5: Vulnerability Assessment and Incident Management

- Vulnerability scanning and penetration testing overview
- Incident response and handling audits
- Audit reporting and remediation planning

