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## Cybersecurity Audit Certificate Online Course

### Introduction

- Digital Asset Protection
- Lines of Defense
- Role of Audit
- Audit Objectives
- Audit Scope

### Module 1: Cybersecurity Governance

- Security Organization Goals and Objectives
- Cybersecurity Risk Assessment
- Service Providers
- Performance Measurement

### Module 2: Cybersecurity Operations - Cyberattacks

- Threat Assessment
- Cybersecurity Measures
- Vulnerability Management
- Penetration Testing
- Red Team/Blue Team/Purple Team Exercises

### Module 3: Cybersecurity Operations - Identity and Access Management

- Enterprise Identity and Access Management
- Identity Management
- Federated Identity Management
- Key Objectives of Identity Management
- Provisioning and Deprovisioning
- Authorization
- Privileged User Management and Controls
- Third-party Access
- Authentication Protocols
- Configuration Management
- Asset Management
- Change Management
- Patch Management
- Network Security
- Security Architecture
- Security Perimeter
- Network Perimeter
- Interdependencies
- Network Architecture
- Remote Access
- System Hardening

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Module 4: Cybersecurity Operations - Security Measures

- Incident Management
- Digital Forensics
- Client Endpoint Protection
- Security within SDLC
- Data Backup and Recovery

Module 5: Cybersecurity Operations - Compliance and Cryptography

- Security Compliance
- Cryptography

Module 6: Security Technologies

- Firewall and Network Security technologies
- Security Incident & Event Management (SIEM)
- Wireless Technology
- Cloud Computing
- Mobile Security

Module 7: Security Technologies – Mobile Security and Internet of Things

- Mobile Security
- Internet of Things (IoT)