Certified Information Privacy Technologist Training

Duration: **2 Day**

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As digital transformation continues to reshape organizations, the volume of personal and business data being collected, processed, and exchanged is growing rapidly. Protecting this information is no longer solely a legal obligation—it is a key element of building customer trust, maintaining operational resilience, and supporting secure digital services.

The **Certified Privacy Technology Professional (CPTP)** course is designed to bridge the gap between information privacy and modern technology. It provides participants with the practical knowledge required to design, implement, and manage privacy-focused IT systems while integrating data protection principles into software development, cloud computing, cybersecurity, and enterprise infrastructure.

Throughout the program, participants explore industry best practices for safeguarding personal information, managing privacy risks, implementing technical controls, and supporting organizational compliance with international privacy frameworks.

This course combines theoretical concepts with practical technology guidance, enabling professionals to develop secure, privacy-aware solutions for modern digital environments.

Course Objectives

The primary objective of this course is to provide participants with the technical knowledge required to integrate privacy into modern information technology environments.

By the end of the program, learners will be able to:

- Design privacy-aware IT solutions.
- Integrate data protection requirements into technology projects.
- Manage the lifecycle of personal information.
- Assess security and privacy risks.
- Apply internationally recognized privacy principles within technical environments.

Prerequisites

Participants are encouraged to have a basic understanding of information security concepts and personal data protection principles before attending the course.

Knowledge of the following topics will be beneficial:

- GDPR or similar privacy regulations
- Information security fundamentals
- Software development lifecycle
- Network and system administration
- Cloud computing concepts

Previous certification is not mandatory, but a general understanding of these subjects will help participants maximize the value of the training.

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Who Should Attend

This course is intended for professionals responsible for developing, managing, or securing information systems, including:

- Data Protection Officers (DPOs)
- Information Security Specialists
- IT Managers and Team Leaders
- System and Network Administrators
- Software Developers
- Solution Architects
- Cloud Engineers
- Data Governance Professionals
- Public sector technology personnel
- Any IT professional involved in processing personal information

Participants will gain practical skills that can be applied across software projects, enterprise infrastructure, cloud services, and information security initiatives.

What You Will Learn

Upon successful completion of the course, participants will be able to:

- Understand core privacy principles.
- Explain the relationship between privacy and information security.
- Apply Privacy by Design concepts.
- Classify and manage sensitive information.
- Perform privacy risk assessments.
- Implement identity and access management controls.
- Understand encryption and data protection technologies.
- Apply anonymization and pseudonymization techniques.
- Address privacy challenges within cloud environments.
- Protect personal information across online platforms.
- Support secure software development practices.

Training Outline

Module 1 – Foundations of Information Privacy

This module introduces the core concepts of privacy and explains how they support secure information management within modern organizations.

Unit 1 – Introduction to Information Privacy

- Evolution of privacy

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- Personal and sensitive data
- Data processing principles
- Privacy fundamentals
- Current privacy practices

Unit 2 – Global Privacy Frameworks

- International privacy models
- Regional regulatory approaches
- Public and private sector requirements
- Organizational compliance strategies

Unit 3 – Information Security Fundamentals

- Core security principles
- Risk and threat assessment
- Security controls
- Identity and Access Management (IAM)
- Cryptography fundamentals
- Security governance

Unit 4 – Privacy Across Digital Platforms

- Privacy in web applications
- Cookie management
- Authentication and authorization
- Data collection practices
- Mobile privacy
- Social media privacy
- Email security
- Cloud-based services

Module 2 – Privacy in Modern Technology

This module focuses on implementing privacy principles throughout technology environments and digital infrastructures.

Unit 1 – Privacy Management in IT

- Digital transformation
- Cybersecurity challenges
- Regulatory impact on technology
- Organizational privacy strategies

Unit 2 – Data Management

- Information lifecycle management
- Data inventory
- Data classification
- Data flow mapping

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Unit 3 – Standards and Compliance

- Privacy standards
- Technical compliance
- Security policies
- Risk management

Unit 4 – Secure Systems and Applications

- Secure system architecture
- Secure software development
- Security testing
- Application design principles

Unit 5 – Online Privacy

- Online threats
- Protection of user information
- Secure internet services
- Digital identity management

Unit 6 – Data Anonymization

- Anonymization techniques
- Pseudonymization
- Data masking
- Privacy-enhancing technologies

Unit 7 – Cloud Privacy and Data Protection

- Cloud service models
- Cloud security
- Data storage considerations
- Vendor risk management
- Privacy controls in cloud environments

Skills Acquired

Upon completing this course, participants will be equipped to develop privacy-focused technology solutions, implement technical safeguards for personal information, and support organizational privacy initiatives. They will also be prepared to contribute to software development, information security, cloud computing, and enterprise IT projects using internationally recognized privacy practices.

Participant Benefits

Participants who complete the course will:

- Develop a strong understanding of modern privacy principles.

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- Learn how to integrate privacy into IT projects.
- Improve their knowledge of secure software development.
- Understand cloud privacy and data protection strategies.
- Gain awareness of international privacy standards.
- Strengthen their understanding of risk management and data governance.
- Increase their ability to contribute to organizational privacy programs.
- Enhance their professional skills in information security and privacy technology.