

# Implementing NIST Cybersecurity Framework Using COBIT

**Course Duration : 40 Hours**

**Course code : NIST-CSF-COBIT19**

## 1. Course Overview

The Implementing NIST Cybersecurity Framework Using COBIT® 2019 course enables professionals to design, implement, and manage an enterprise cybersecurity program by integrating the NIST Cybersecurity Framework (CSF) with the COBIT® 2019 governance and management framework. This course provides a practical approach to aligning cybersecurity risk management with business objectives, governance structures, and performance measurement.

## 2. What you'll learn?

- NIST Cybersecurity Framework concepts and structure
- COBIT® 2019 governance and management objectives
- Mapping NIST CSF functions to COBIT® 2019 processes
- Cybersecurity risk identification and prioritization
- Designing a cybersecurity governance system
- Measuring cybersecurity maturity and performance

## 3. Target Audience

- IT Governance Professionals
- CIOs, CTOs, and IT Directors
- Risk, Compliance, and Audit Managers
- Enterprise Architects and Consultants
- Senior IT and Business Leaders

## 4. Pre-Requisites

- Basic understanding of cybersecurity principles
- Familiarity with IT governance or risk management concepts
- Prior knowledge of NIST CSF or COBIT® is helpful but not mandatory

## 5. Course Content (Modules)

### Module 1: NIST Cybersecurity Framework Fundamentals

- NIST CSF structure and core functions
- Profiles, tiers, and implementation roadmap

### Module 2: COBIT® 2019 Framework Overview

- Governance system and components
- Governance vs management objectives

### Module 3: Integrating NIST CSF with COBIT® 2019

- Mapping NIST CSF to COBIT® objectives
- Design factors and enterprise context

### Module 4: Cybersecurity Risk Management and Controls

- Risk assessment and control selection
- Implementing and managing cybersecurity controls

### Module 5: Performance Measurement and Continuous Improvement

- Metrics, KPIs, and maturity assessment
- Continuous improvement and assurance