

## Certified Software Project Manager (CSPM)<sup>™</sup>

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### Certified Software Project Manager (CSPM) - Certification Overview

The Certified Software Project Manager (CSPM) certification is designed to validate a professional's ability to effectively plan, execute, monitor, and deliver software projects within defined scope, time, cost, and quality constraints. The certification covers core project management principles along with software-specific challenges such as requirements management, change control, risk mitigation, stakeholder communication, and quality assurance. CSPM emphasizes both traditional and modern project management practices, enabling professionals to manage projects across diverse development environments.

The CSPM certification equips candidates with practical knowledge of managing software development lifecycles, coordinating cross-functional teams, and aligning technical deliverables with business objectives. It focuses on real-world project scenarios, governance, documentation, and performance measurement to ensure consistent project outcomes. By earning CSPM, professionals demonstrate their capability to lead software projects with confidence, accountability, and efficiency.

### Target Audience

The target audience for the CSPM certification includes aspiring and experienced software project managers, IT project leads, delivery managers, business analysts, and technical professionals transitioning into project management roles. It is also suitable for software developers, QA leads, product owners, and consultants who are involved in project coordination and decision-making. Organizations seeking to standardize project management practices and improve software delivery outcomes will find CSPM valuable for building competent and reliable project leadership.

### What Modules are covered?

#### Module 1 - Software Project Management Foundations

- Principles and Concepts of Software Project Management
- Role, Responsibilities, and Competencies of a Software Project Manager
- Project Constraints and Success Criteria
- Organizational Structures and Governance Models
- Software Project Life Cycles and Delivery Models
- Overview of Global Project Management Standards

#### Module 2 - Project Initiation and Strategic Planning

- Business Case Development and Project Justification
- Stakeholder Identification and Analysis
- Requirements Definition and Scope Management
- Work Breakdown Structure (WBS) and Milestone Planning
- Effort, Cost, and Resource Estimation
- Project Scheduling and Baseline Establishment

#### Module 3 - Software Development and Delivery Management

- Software Development Life Cycle (SDLC) Models
- Agile, Iterative, and Hybrid Project Approaches
- Requirements Traceability and Change Control
- Configuration and Release Management
- Cross-functional Team Coordination
- Managing Distributed and Global Project Teams

#### Module 5 - Project Execution, Monitoring, and Performance Control

- Project Execution and Team Coordination
- Performance Measurement and Key Project Metrics
- Earned Value Management (EVM) for Software Projects
- Issue, Defect, and Dependency Management
- Stakeholder Communication and Status Reporting
- Integrated Change and Impact Management

#### Module 6 - Project Closure, Leadership, and Professional Excellence

- Formal Project Closure and Handover
- Post-Project Review and Lessons Learned
- Leadership and Decision-Making in Software Projects
- Team Motivation, Collaboration, and Conflict Management
- Ethics, Professional Conduct, and Accountability
- Continuous Improvement and Career Progression