



Certified Software Project Manager (CSPM)™

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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 4 - 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 5 - 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

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