



PMI TRAINING

# IT Project Management Methodologies

*Master IT project management methodologies to efficiently lead and deliver complex technology initiatives.*

DURATION

**24 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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## COURSE OVERVIEW

The "IT Project Management Methodologies" course from PMI is an essential program designed for intermediate-level professionals seeking to master the diverse approaches to managing IT projects effectively. In today's fast-paced technological landscape, a one-size-fits-all approach to project management is no longer viable. This course dives deep into understanding and applying various methodologies, equipping participants with the knowledge to choose, adapt, and implement the most suitable framework for any given IT initiative, thereby significantly improving project success rates and organizational agility. You will learn the core principles and practical applications of traditional, agile, hybrid, and lean project management frameworks.

Participants will gain a strategic advantage by understanding the strengths and weaknesses of Waterfall, Scrum, Kanban, Lean, and adaptive methodologies, including how to integrate DevOps principles for continuous delivery. The curriculum emphasizes real-world application, enabling professionals to lead projects with greater confidence, optimize resource utilization, enhance team collaboration, and proactively manage risks. By mastering these methodologies, you will be prepared to tackle complex IT challenges, drive innovation, and deliver projects on time and within budget, positioning yourself as a versatile and indispensable asset in any tech organization.

This course is not just about theory; it's about practical application. You'll learn how to analyze project contexts, stakeholder needs, and organizational culture to make informed decisions on which methodology or combination of methodologies will yield the best results. The professional benefits extend to enhanced career mobility, leadership opportunities, and the ability to significantly contribute to an organization's strategic goals through efficient and effective project delivery.

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|-----------------|--------------|
| <b>Duration</b> | 24 hours     |
| <b>Level</b>    | Intermediate |
| <b>Vendor</b>   | PMI          |

## COURSE CURRICULUM

### 01 Module 1: Foundations of IT Project Management Methodologies

- Introduction to IT Project Management Evolution
- Understanding Project Lifecycle Phases in IT
- Overview of Key Project Management Methodologies
- Core Principles and Concepts for Methodology Selection
- The Role of the IT Project Manager in a Methodological Context

### 02 Module 2: Traditional (Waterfall) Project Management

- Deep Dive into the Waterfall Model: Sequential Phases
- Requirements Gathering and Analysis in Waterfall
- Design, Implementation, and Verification Stages
- Pros and Cons of Waterfall for IT Projects
- Effective Documentation and Change Control in Traditional Projects

### 03 Module 3: Agile Frameworks: Scrum and Kanban

- Introduction to the Agile Manifesto and Principles
- Implementing Scrum: Roles, Events, and Artifacts
- Mastering Kanban: Visualizing Workflow, Limiting WIP, and Managing Flow
- Agile Estimating, Planning, and Prioritization Techniques

- User Stories, Backlog Management, and Iteration Planning

## 04 Module 4: Hybrid and Adaptive Project Management Approaches

- Combining Traditional and Agile Methodologies: The Hybrid Model
- Understanding Scaled Agile Frameworks (SAFe, LeSS - foundational overview)
- Principles of Adaptive Project Management
- Tailoring Methodologies to Specific Project Contexts and Constraints
- Risk Management and Governance in Hybrid Environments

## 05 Module 5: Lean Project Management and DevOps Integration

- Principles of Lean in Project Management: Value, Flow, Pull, Perfection
- Identifying and Eliminating Waste in IT Projects
- Introduction to DevOps Principles for IT Project Delivery
- Continuous Integration/Continuous Delivery (CI/CD) Concepts
- Optimizing Workflow for Speed and Quality

## 06 Module 6: Methodology Selection, Tools, and Implementation Strategies

- Criteria for Choosing the Right Methodology for IT Projects
- Stakeholder Engagement and Communication Across Methodologies
- Common Project Management Software and Tools (e.g., Jira, Asana, MS Project)
- Leading and Motivating Project Teams in Diverse Methodological Settings
- Case Studies and Practical Application Scenarios for Methodology Implementation

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Agile IT Project Lead (focusing on Scrum Master or Product Owner roles)**
- > **IT Project Manager (proficient in selecting and implementing various project lifecycle approaches)**
- > **Project Management Consultant (specializing in organizational methodology adoption and transformation)**

## FREQUENTLY ASKED QUESTIONS

**Q: How will this 'IT Project Management Methodologies' course specifically enhance my ability to lead diverse IT projects?**

This course equips you with a comprehensive understanding of various project methodologies, from traditional Waterfall to Agile frameworks like Scrum and Kanban, as well as hybrid approaches. You'll learn to analyze project requirements and organizational contexts to strategically select and adapt the most effective methodology, ensuring successful delivery of complex IT initiatives and fostering adaptability in rapidly changing tech environments. You will develop the critical thinking skills to apply the right framework at the right time.

**Q: Are there any specific prerequisites or prior experience recommended to get the most out of this intermediate-level course?**

While there are no strict formal prerequisites, an understanding of basic project management concepts or some exposure to IT project environments would be highly beneficial. This intermediate course builds upon foundational knowledge, focusing on the nuances, strengths, and practical application of different methodologies. Participants without prior

exposure will still gain significant value but may find it helpful to review basic project lifecycle concepts and terminology beforehand to maximize their learning experience.

**Q: Beyond theoretical knowledge, what practical skills will I gain that are immediately applicable in an IT project role after completing this course?**

Upon completion, you will gain immediately applicable practical skills such as defining project scopes using various frameworks, facilitating Agile ceremonies (e.g., daily stand-ups, sprint reviews), managing product backlogs, visualizing and optimizing workflows with Kanban boards, and adapting project plans to unforeseen changes. You'll also develop the ability to articulate the benefits and drawbacks of each methodology, lead cross-functional teams effectively, and apply critical thinking to tailor project approaches for optimal outcomes in real-world IT scenarios.

## ABOUT COMPUTER PRIDE



*East Africa's Premier IT Training Center*

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

**15+**

Years of Excellence

**10,000+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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