

Kanban Professional with AI Certified (KPC) Course Outline

What you will learn

The Kanban Professional with AI Certified (KPC) course is designed for professionals seeking in-depth knowledge of Kanban principles, roles, artifacts, and processes. This certification equips individuals with practical skills to implement and manage Kanban systems effectively, ensuring smooth workflow, enhanced collaboration, and continuous delivery.

The courseware and preparation tools required for the certification exam will be available online on Kanbanstudy.com. An online proctored exam will be conducted at the end of the course.

Kanban Professional with AI Certified Certification classroom/virtual trainings or E-learning course are also offered by Kanbanstudy™ approved Authorized Training Partners (A.T.P.s). All trainers are highly experienced and accredited by Kanbanstudy™. Course fee includes the certification exam fee. Participants will be awarded 'Kanban Professional with AI Certified' certificate from Kanbanstudy™ on successfully passing the exam.

The aim of the KPC course is to:

- Equip participants with a thorough understanding of Kanban origins, principles, roles, artifacts, metrics, and cadences, with a special focus on AI-enabled digital tools.
- Develop the ability to design, visualize, and optimize workflows that improve efficiency, adaptability, and continuous delivery across varied business contexts.
- Foster collaborative leadership and value-based prioritization to create self-organizing, high-performing Kanban teams.
- Integrate AI-driven insights and digital Kanban platforms to enhance decision-making, reporting, and continuous improvement.
- Prepare participants to take KPC exam upon completion of the course.

Audience Profile

This certification is highly recommended for those interested in understanding the fundamentals of Kanban and how it can be effectively applied to improve workflow efficiency and collaboration.

Prerequisites

There is no formal prerequisite for this certification. However, it is preferable to complete the Kanban Essentials with AI Certified (KEC) certification before applying for the Kanban Professional with AI Certified certification. It is also highly recommended to attend a KPC classroom training provided by a Kanbanstudy™ approved Authorized Training Partner (A.T.P.).

What is included

- High quality videos, study guides, chapter tests, and case study
- High quality hands-on training using role-plays and case-studies
- Course fee includes certification exam fee
- Complimentary copy of the KBOK™ Guide

Examination Format

- Multiple choice questions
- 75 questions per exam
- One mark awarded for each correct answer
- No negative marking for incorrect answers
- 90 minutes duration
- Online, proctored

Course Outcomes

By the end of this course, participants will be able to:

- Explain Kanban's origin, benefits, and application areas and describe why the KBOK™ framework offers a comprehensive reference for professional practice.
- Apply Kanban principles—empirical process control, iterative development, collaborative leadership, value-based prioritization, self-organization, and visualization—to real-world projects.
- Define and perform key roles such as Product Owner, Kanban Manager, team member, and stakeholder within AI-enabled Kanban environments.
- Create and manage Kanban artifacts including task groups, workflows, backlogs, and boards using both physical and digital/SaaS tools.
- Select and configure AI-enabled Kanban tools, determine vision, and plan workflow setups using structured inputs, tools, and outputs.
- Employ Kanban metrics, reports, and cadences to monitor progress, identify bottlenecks, and drive data-informed adaptations.
- Execute and optimize end-to-end Kanban processes—setup, planning, execution, and enhancement—ensuring continuous delivery and quality improvement.
- Evaluate and implement AI features to enhance visualization, forecasting, and continuous improvement within evolving organizational contexts.

Course Methodology

- We promise a highly engaging course that ensures high retention of concepts and theories.
- Students are encouraged to work through the concepts rather than just listen to them—this provides better internalization and retention.
- Students work through a case study to simulate product development using the Kanban Framework.

Course Outline

1. INTRODUCTION

- Kanban Origin
- Kanban Application Areas
- Benefits of Kanban
 - Workflow Visualization and Management
 - Efficiency and Productivity
 - Flexibility, Adaptability, and Scalability
 - Continuous Improvement and Quality
- Why use KBOK™ vs. other Kanban references
- Purpose of the KBOK™ Guide
- KBOK™ Framework
 - Kanban Principles
 - Kanban Roles and Artifacts
 - Kanban Metrics and Reports
 - Kanban Cadences and Collaboration
 - Kanban Processes

2. PRINCIPLES

- Empirical Process Control
 - Transparency
 - Inspection
 - Adaptation
 - Summary
- Iterative or Incremental Development
 - What It Means
 - How It Works in Kanban
 - Benefits in Kanban
 - Summary
- Collaborative Leadership
 - What Is Collaborative Leadership?
 - How Collaborative Leadership Manifests in Kanban
 - Why It Matters in Kanban

- Summary
- Value-based Prioritization
 - What Is Value-based Prioritization?
 - How Kanban Supports Value-Based Prioritization
 - Why Value-based Prioritization Matters
 - Summary
- Self-Organization
 - What Is Self-Organization?
 - How Kanban Supports Self-Organization
 - Why Self-Organization Matters
 - Summary
- Visualization
 - Why Visualization Matters
 - How Kanban Implements Visualization
 - Benefits of Visualization in Kanban
 - Summary

3. KANBAN ROLES AND ARTIFACTS

- Kanban Team
 - Product Owner
 - Kanban Manager
 - Kanban Team Members
 - Stakeholders
- Roles and Responsibilities in Digital Kanban Tools or SaaS Platforms
- Kanban Artifacts
 - Tasks and Task Groups
 - Kanban Workflows
 - Kanban Backlog
 - Kanban Boards

4. KANBAN METRICS AND REPORTS

5 KANBAN CADENCES AND COLLABORATION

6 SETUP

- Determine Kanban Vision
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs
- Determine AI-enabled Kanban Tool (optional)
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs

7 PLAN

- Form Kanban
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs
- Optimize Workflows and Determine Stakeholders
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs

8 EXECUTE

- Get Work Done
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs

9 ENHANCE

- Retrospect and Improve
 - Mandatory Inputs
 - Mandatory Tools
 - Mandatory Outputs

About Kanbanstudy™

Kanbanstudy™ is a brand of VMEdU Inc., a global leader in the professional training and certification industry. VMEdU Inc. has facilitated the training of over 5,000,000 students across 7,500+ corporations in 150+ countries through its global network of 2,000+ training providers. VMEdU also owns several other popular brands, including SCRUMstudy™—a global accreditation body for Scrum and Agile certifications, 6sigmastudy™—a global accreditation body for Six Sigma certifications, and OKRstudy™—a global accreditation body for OKR certifications.

Kanbanstudy™ is the global accreditation body for Kanban certifications. It has authored the KBOK™ Guide, a comprehensive resource that provides guidelines for the successful implementation of the Kanban framework in managing business workflows and processes.

Important certifications provided by Kanbanstudy™ include:

- Kanban Essentials with AI Certified (KEC)
- Kanban Professional with AI Certified (KPC)
- Kanban Manager with AI Certified (KMC)
- Kanban Product Owner with AI Certified (KPOC)
- Kanban with Scrum, DevOps, and OKR Certified (KSDOC)

Kanbanstudy™ Certification Hierarchy

Kanbanstudy™ certified professionals help organizations optimize workflow management, resulting in improved efficiency, faster delivery times, and increased ROI. They possess in-depth knowledge of Kanban principles and can proactively address challenges related to practical implementation.

Though there are no mandatory prerequisites for most Kanbanstudy™ certifications, it is recommended to understand the hierarchy structure. The diagram below shows the preferred and optional certifications for progressing to the next level.

