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# Kanban KPI training: Continuous Improvement

2 days (14 hours)

## Presentation

Discover how Agile, Kanban and KPIs could be orchestrated to deliver the full potential value of Agile practices.

Based on the "Agile Project Management with Kanban" method that has been successfully used at Microsoft, notably within the Xbox project, for the past ten years, our workshop will explain the means and methods appropriate to the continuous improvement of your product development processes.

In the "Agile Kanban and KPIs for Continuous Improvement" workshop, we cover the best practices of Agile, Kanban and KPIs needed to implement a Continuous Improvement program for product development.

At the end of this workshop, participants will gain a better understanding and practical knowledge of how to plan, implement and monitor a continuous improvement process.

## Objectives

- Gain a good understanding of Agile practices.
- Create and use Kanban boards.
- Know how to obtain the relevant KPIs for the projects they are involved with.
- Build and follow an iterative continuous improvement plan based on Agile Kanban practices and KPIs.

## Target audience

- CIOs, department heads wishing to streamline processes, project managers, project managers, project managers, project managers

- Product managers, quality managers, decision-makers, developers, supervisors, agile coaches
- Project or business managers, Information systems managers, Analysts  
Functional Architects
- Software Architects, Business Unit Leaders, Service Delivery Managers, Program, Project and/or Portfolio Managers or Directors, Product and Software Testers

## Prerequisites

- IT experience

## KABAN & KPIs training program

### Agile

- Agile - values and principles
- Planning
- Backlog management
- Forecasting
- Follow-up

### Kanban

- Process modeling with the Kanban board
- WIP constraints (Work In Progress Constrains)
- Definition of Done (DOD)
- Bottlenecks
- Cycle time / Lead time
- Queue
- Batch size
- Variability

### KPIs

- Customer value delivery
- Bug / Bug density (Defects / Defect Density)
- Flow efficiency
- Deployment Frequency
- Deployment time
- Lead Time / Cycle time
- Failure Rate
- Mean time to detect an anomaly (Mean time to detect)
- Mean time to recovery

### Agile Kanban and KPIs

- Rework Rate
- Technical debt

## Continuous improvement

- What is continuous improvement?
- Pareto's law - 80-20 principle
- Top KPIs to consider
- Using KPIs to identify improvement actions
- Implement continuous improvement cycles

After carrying out a case study on Agile, Kanban and KPIs, we're going to implement a concrete example of a continuous improvement program.

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.