Kanban Essentials

Learn and practice Kanban through hands-on immersion.

COURSE DESCRIPTION

In this Kanban training course, participants will learn how to:

- Optimize the flow of work by managing work in progress (WIP) and removing bottlenecks
- Increase team throughput by identifying and eliminating sources of waste in the development lifecycle
- Decompose requirements into minimal marketable features that provide faster value to customers
- Understand the difference between 'push' systems and 'pull' systems
- Combine Kanban with Scrum to improve team performance
- Understand when to use Kanban in order to maximize its benefits
- Scale agile by using Kanban at the program and portfolio levels of an organization

The course consists of 7 modules:

1 History & Principles of Lean
Origins & Core Beliefs of Lean, Principles of Lean Software Development, How Lean Works With Other Flavors of Agile

2 The Multitasking Myth
Overhead associated with people on multiple projects, value of focus

3 Understanding Kanban
3 golden rules of Kanban, visualizing workflow, importance of limiting WIP, push vs pull systems, SAFe portfolio and program Kanban

4 Dealing with Constraints
Theory of Constraints, Addressing bottlenecks

5 Implementing Kanban
Using real-world work to identify value stream maps, Kanban board flow and policies, WIP limits, work type demand and capacity, meeting cadence

6 Variation
Common cause variation, special cause variation

7 Kanban Measurements
Lead time, cycle time, weighted shortest job first

8 Cumulative Flow
Creating, reading and using CF diagrams

9 Combining Kanban with Scrum (Scrumban)
Similarities, differences and best practices to combine both methodologies

AUDIENCE

Kanban works well for teams that have constantly changing priorities and/or teams that want a less rigorous work process than Scrum. This course is most effective when all team members attend as real work artifacts can and will be used to develop in-class Kanban boards, processes and policies.

LEARNING OBJECTIVES

By the end of this course, participants will:

- Recognize the seven forms of waste associated with software development
- Learn techniques for reducing or eliminating waste to improve the bottom line.
- Increase their ability to deliver business value faster to their customers by reducing overall cycle time.
- See the entire development process from end-to-end in order to optimize the whole system.
- Improve team throughput by using Kanban to identify and remove bottlenecks.
- Scale agile by using Kanban to manage the flow of projects within the enterprise.
- Learn how to decompose and group requirements into manageable bundles of functionality known as minimal marketable features that provide the ability to deliver business value sooner to the customer.
- Improve product quality by using continuous feedback from customers and continuous integration techniques.
- Understand that most errors are due to the system within which people work rather than to the individuals themselves.
- Recognize that teams are most efficient when the amount of work is limited to their capacity.

DURATION

2 Days