KANBAN SYSTEM
DESIGN

TWO DAY COURSE

Learn to Design Kanban Systems

With Kanban, we start by developing and visualizing a joint understanding of the current way of working. We look at how things are working and where there are sources of dissatisfaction. Then, improvements are identified and introduced. The Kanban System Design course provides the foundational background of The Kanban Method and then guides the students through the process of understanding their systems so they can design an appropriate Kanban system to meet their needs. By understanding the core concepts of The Kanban Method, you will be able to design a Kanban system to improve visibility, communication, and collaboration within your team.

Yes We

KANBAN

Is Kanban System Design the Right Course for Me?

If you will be directly involved in designing and managing a Kanban system, you will certainly want to take the Kanban System Design course. You may still want to take the Team Kanban Practitioner course first if you feel that you are very new to Kanban and to Kanban concepts. It really depends on your starting point and goals.

If you currently work with teams that have "plateaued" and aren't improving, this course will help you to design visualizations that show where improvement opportunities exist.

Kanban
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Learn the Foundations of The Kanban Method

THE KANBAN METHOD

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#YesWeKanban

Change Principles
Service Delivery Principles
General Practices

1. START WITH WHAT YOU DO NOW
 - Understanding current processes, as actually practiced
 - Respecting existing roles, responsibilities & job titles

2. GAIN AGREEMENT
to pursue improvement through evolutionary change

3. ENCOURAGE ACTS OF LEADERSHIP at all levels

1. UNDERSTAND AND FOCUS on the customer's needs and expectations

2. MANAGE THE WORK; let workers self-organize around it

3. REGULARLY REVIEW THE NETWORK and its policies to improve outcomes

VISUALIZE
Show work and its flow. Visualize risks. Build a visual model that reflects how you work.

LIMIT WORK IN PROGRESS
Stop starting, start finishing! Left yields to right. Limit work in the system to available capacity. Data-driven.

MANAGE FLOW
Flow is the movement of work. Manage flow to be smooth and predictable. Use data.

MAKE POLICIES EXPLICIT
Have agreed policies, visible to everyone involved.
- Pull Criteria
- WIP Limits
- Classes of Service
- And others as appropriate

ESTABLISH FEEDBACK LOOPS
Establish feedback loops at an appropriate cadence. Foster collaboration, learning, and improvements. Data-driven.

IMPROVE COLLABORATIVELY, EVOLVE EXPERIMENTALLY
Using the scientific method. Hypothesis-driven change. Run safe-to-fail experiments.

COLLABORATION · UNDERSTANDING · LEADERSHIP

Yes We KANBAN

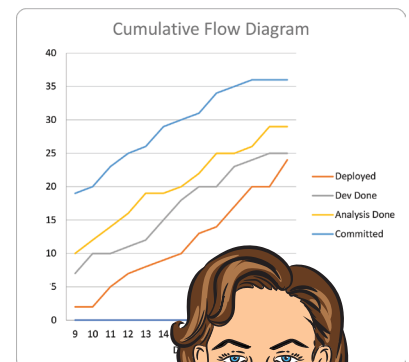**CUSTOMER FOCUS · TRANSPARENCY · WORKFLOW · AGREEMENT · BALANCE · RESPECT**

All participants will receive a certificate of completion for the Kanban System Design course. Students completing this course and the Kanban Systems Improvement course receive the Kanban Management Professional (KMP) credential.

KANBAN MANAGEMENT PROFESSIONAL

Use the Systems Thinking Approach to Introducing Kanban (STATIK) to Design your Kanban System

What You Will Leave With

- Understand the basics, motivation, and benefits of The Kanban Method.
- Experience flow in a simulation of a Kanban system.
- Learn how to run the Kanban meetings to focus on the work and allow the team to organize around it.
- Build and design a Kanban system using the STATIK approach.
- Become faster and more responsive, with better risk management and governance.
- Understand "Pull" systems and how they help reduce overburdening.
- Learn how to utilize key metrics such as Lead Time, Run Charts, and Cumulative Flow Diagrams to make continuous improvements.

Cumulative Flow Diagram

Deployed
Dev Done
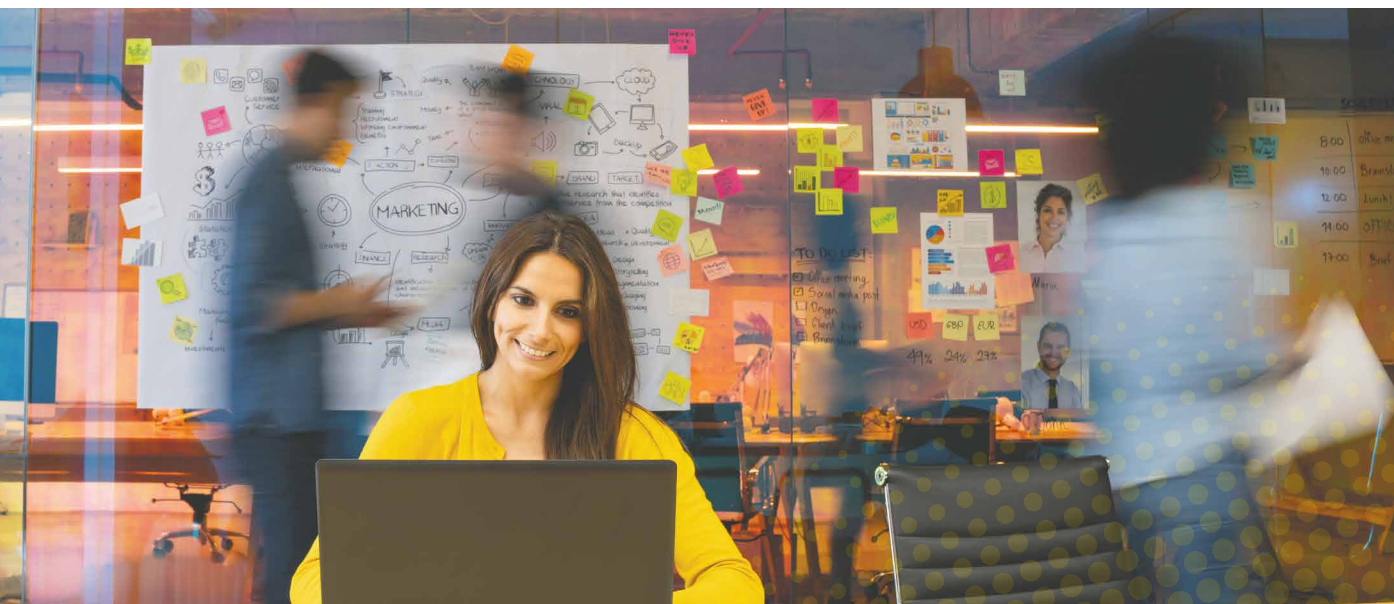Analysis Done
Committed

TWO DAY COURSE

Manage and Scale Kanban Systems

You learned the basics of Kanban and how to design a single system in the Kanban System Design course. The next step on your journey is to learn how to scale out to multiple connected systems. In Kanban Systems Improvement, you will learn how to manage and optimize those systems using metrics and evolutionary change.

In any workflow system there will be sources of delay, variability, and bottlenecks. Learn to proactively discover these challenges and then apply techniques to improve or smooth the flow of work.

Yes We KANBAN

Is Kanban Systems Improvement the Right Course for Me?

If you have not yet completed Kanban System Design (KSD), we strongly recommend you take KSD prior to taking this course. Many people think they have a good understanding of Kanban and can skip directly to KSI, but that rarely works well in our experience. There are many concepts in the KSD course, such as STATIK, work item type, and classes of service, that students need to understand well to take full advantage of Kanban Systems Improvement.

If you have taken KSD and find yourself wondering how to scale, manage or optimize your service delivery, Kanban Systems Improvement is the right course for you.
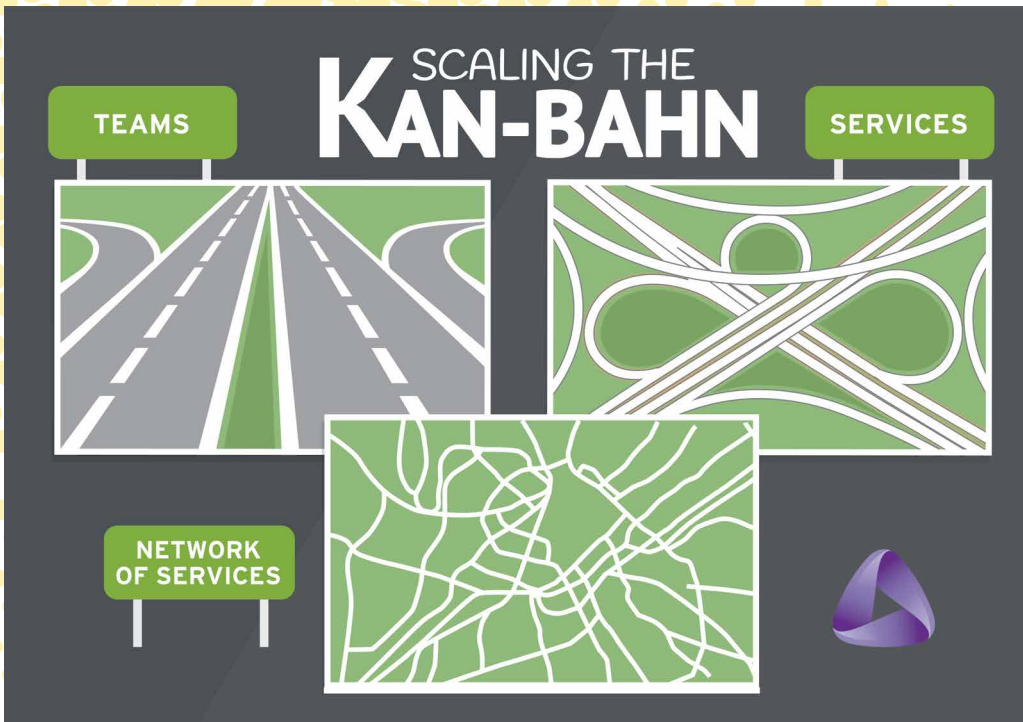
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MANAGE AND SCALE
USING EVOLUTIONARY CHANGE

Continuous Improvement through Evolutionary Change

All participants will receive a certificate of completion for the Kanban Systems Improvement course.

Students completing this course and the Kanban System Design course receive the Kanban Management Professional (KMP) credential.

What You Will Leave With

- Understand the basics, motivation, and benefits of evolutionary change.
- Scale out your system in multiple directions – upstream, downstream, connected to other systems.
- Learn how to run the Kanban cadences to manage and scale your system across your organization.
- Understand the sources of delays, variability, and what you can do to effectively manage them.
- Identify bottlenecks in a workflow and take actions to improve flow and reduce time to deliver or time to discover.
- Learn how to utilize key metrics such as Lead Time, Run Charts, and Cumulative Flow Diagrams to guide your continuous improvement using evolutionary change.