



# Kanban Essentials Certified (KEC<sup>TM</sup>)

Webinar and Certification Prep (2.5 hours)



- 1. Webinar Format and Prerequisites (5 mins)
- 2. Understanding Kanban Concepts
  - a. Brief History of Kanban (10 mins)
  - b. Kanban Roles, Overview and Why use Kanban?(60 mins)
  - c. Why use the KBOK<sup>TM</sup> Guide? (3 mins)
  - d. Kanban Principles (7 mins)
  - e. Kanban Metrics and Reports (35 mins)
  - f. Kanban Processes (20 mins)
- 3. Next Steps (5 mins)
- 4. All ready for the KEC<sup>TM</sup> Certification! (5 mins)



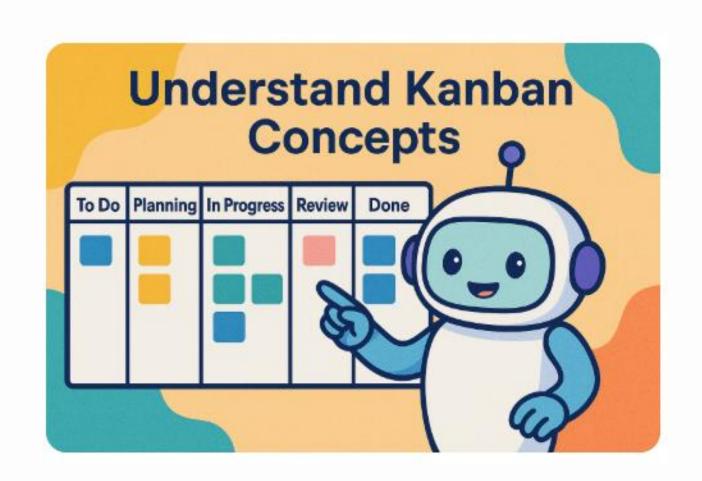


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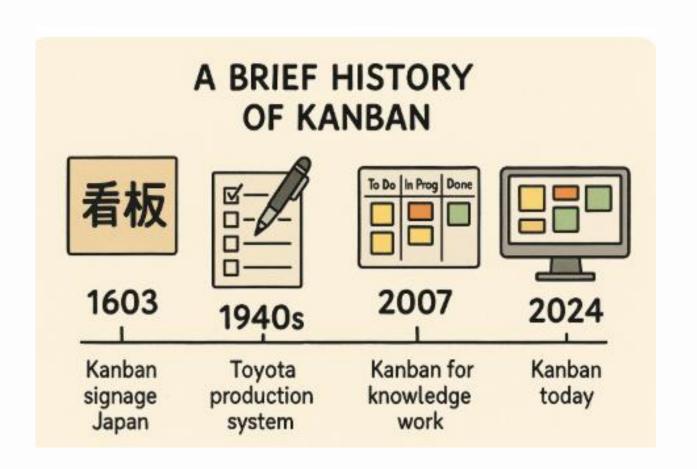


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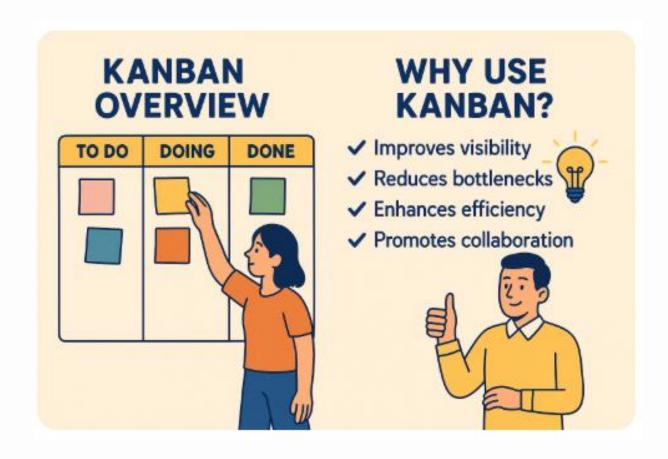


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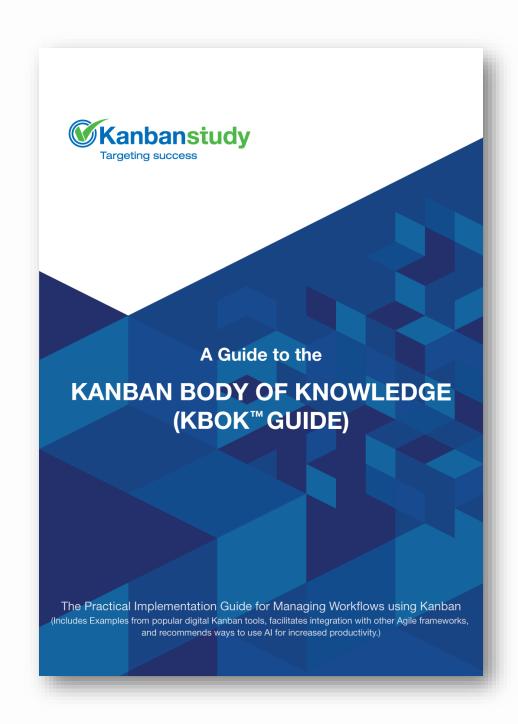


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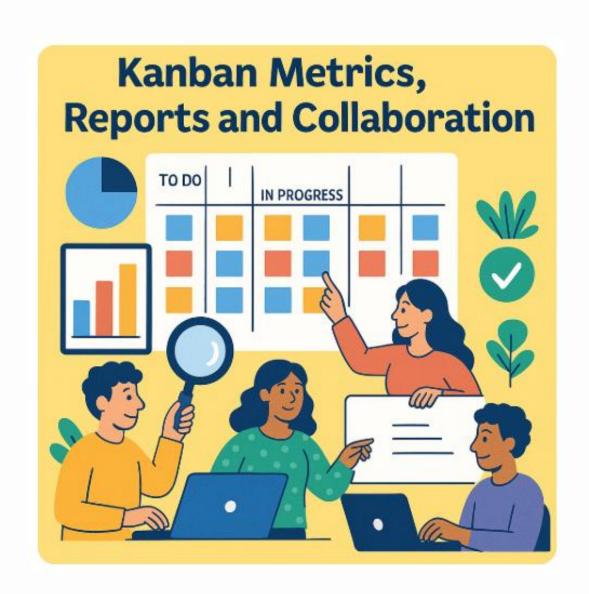


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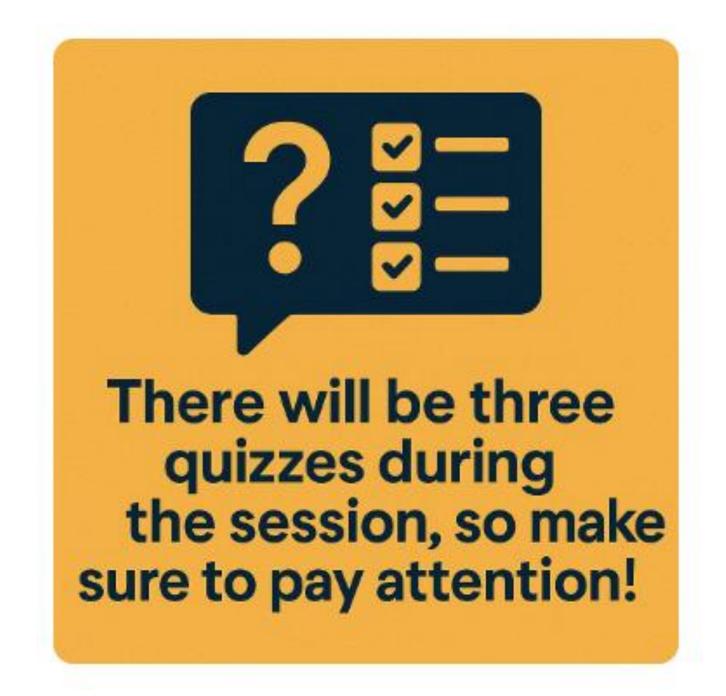
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Discount Vouchers and other benefits as you refer friends and grow the Agile community!







# 1. Webinar Format



# 1. Prerequisites



- There are no prerequisites for this webinar.
- Anyone interested in understanding Kanban and Agile concepts can join this webinar
- Students can also take the coveted Kanban
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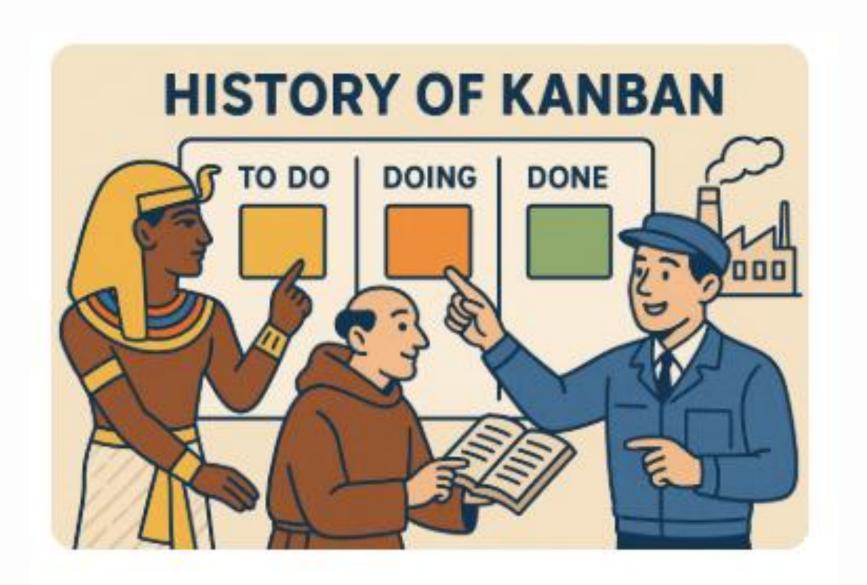
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**Kanbanstudy** 

- 1940s: Post-war Japan needed efficiency to rebuild economy.
- Taiichi Ohno: Used Kanban inside Toyota. Kanban means "signboard" or "visual card" in Japanese.
- 2000 Kanban goes Mainstream, used for processes across industries
- 2025: KBOK™ Guide created to standardize Kanban
- Current adoption of Kanban





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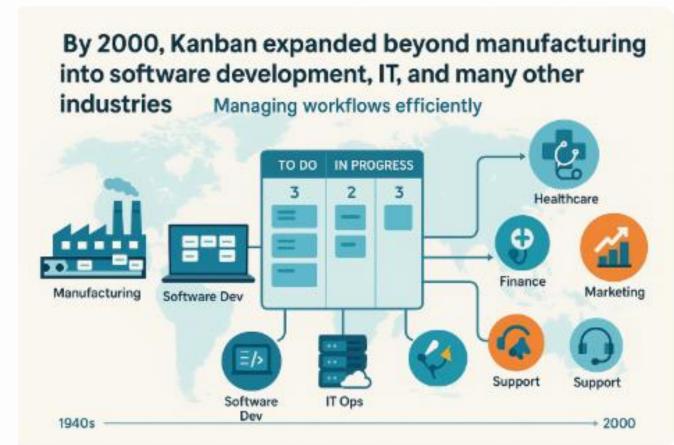


Taiichi Ohno: Hero of the Toyota Production System

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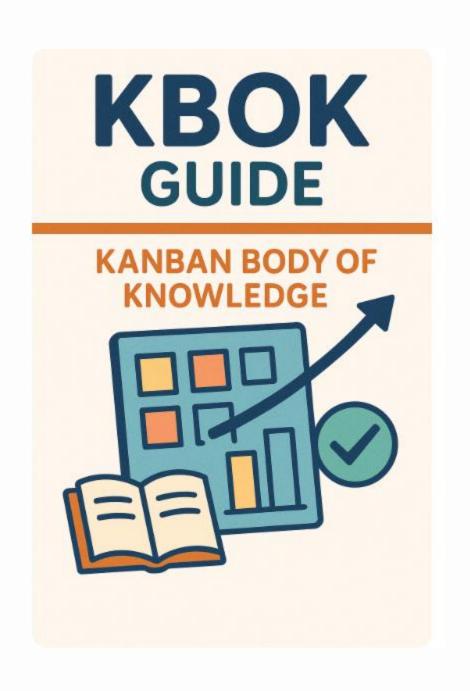


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#### **Current Adoption of Kanban**

- Broad & increasing adoption across organizations: In the 2022 State of Kanban Report, 41% of respondents said their organization was applying Kanban across 10+ teams or the whole company, showing that it's not just small projects but large-scale usage.
- Effectiveness highly rated: About 87% of Kanban users report that Kanban is "more effective" or "much more effective" than other work management methods they used before.
- Strong market growth in tools & software: The global Kanban software market (for tools that support
  Kanban workflows) was valued at USD 327.5 billion in 2023 and is projected to grow to USD 1,521.8
  billion by 2032, with a compound annual growth rate (CAGR) of about 18.3%.
- Usage across many industries and business functions: While originally born in manufacturing / automotive, Kanban is now widely used in software & internet services, finance, consulting, engineering, healthcare, education, government, HR, sales, marketing etc.



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# 4-minute Break



- Webinar Format and Prerequisites
- Understanding Kanban Concepts
  - Brief History of Kanban



#### 4-minute Health Break



Optional – Please review relevant section about "Brief History of Kanban" in the Webinar Reference Document

After the break – 3 question Quiz about Brief History of Kanban

### 2.a History of Kanban Ques 1 of 3



Who is often called the "father of Kanban," and why was Kanban introduced at Toyota?

- a) W. Edwards Deming to improve marketing campaigns
- b) Taiichi Ohno to streamline production flow and reduce waste
- c) Jeff Sutherland to manage Scrum sprints
- d) Elon Musk to speed up electric car design

Please select the correct option. The correct answer and justification will be shown on the next slide.

# 2.a History of Kanban Ans 1 of 3



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Correct answer: b

**Justification**: Taiichi Ohno created Kanban within the Toyota Production System as a visual, pull-based method to control work-in-progress, smooth flow, cut excess inventory, and eliminate waste—thereby streamlining production.

# 2.a History of Kanban Ques 2 of 3



What does the term "Kanban" fundamentally represent in workflow management?

- a) A fixed two-week sprint timebox
- b) A budgeting spreadsheet for projects
- c) Visual cards/signals used to manage workflow and limit WIP
- d) A magical board that finishes tasks overnight

Please select the correct option. The correct answer and justification will be shown on the next slide.

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#### Correct answer: c

**Justification**: *Kanban* (Japanese for "signboard/card") centers on using visible signals (cards, columns, tokens) to represent work, control WIP, and enable a pull-based flow—making the status and movement of tasks clear and efficient.

### 2.a History of Kanban Ques 3 of 3



Where is Kanban commonly applied today?

- a) Software development, IT, and many other industries to manage workflows efficiently
- b) Only in automobile manufacturing plants
- c) Exclusively for household chores
- d) Mainly in ancient assembly lines with no digital tools

Please select the correct option. The correct answer and justification will be shown on the next slide.

# 2.a History of Kanban Ans 3 of 3



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- a) Software development, IT, and many other industries to manage workflows efficiently
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Correct answer: a

Justification: Kanban evolved from manufacturing into knowledge-work domains such as software development and IT, and is now used across marketing, healthcare, finance, and more to visualize work, limit WIP, and improve flow efficiency.



- Webinar Format and Prerequisites
- **Understanding Kanban Concepts** 
  - Brief History of Kanban



- Kanban Roles, Overview and Why use Kanban? b.
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# 2.b Kanban Roles, Overview and Why use Kanban?



- Important Roles in Kanban
- Overview of Kanban Framework
- Benefits of Kanban





**Kanbanstudy** 

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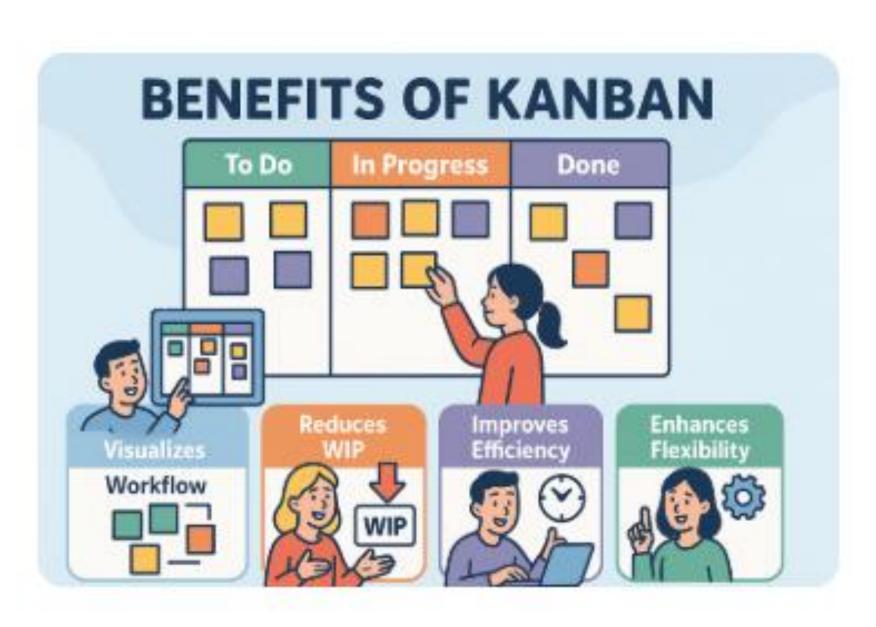






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## 2.b Kanban Roles



- Kanban Product Owner
- Kanban Manager
- Kanban Team Members
- Stakeholders





#### **Product Owner**

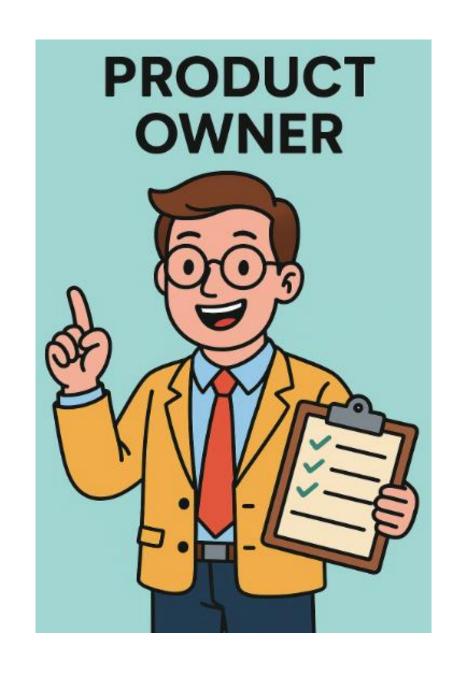
- Defines Work
- Sets Priorities
- Focus on what needs to be delivered and why it is important!





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#### Kanban Manager

(also referred to as a Flow Manager, Service Delivery Manager, Collaborator, or Team Admin)

- Manages Kanban Board, removes obstacles
- Monitors metrics and drives continuous improvement within the team's Kanban processes
- Facilitates or coaches for effective execution





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#### **Kanban Team Members**

- Create Task Group and Tasks on the Kanban Board
- Adhere to Work in Progress(WIP) Limits to maintain steady flow
- Collaborate Effectively and execute Tasks to deliver expected results





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#### **Stakeholders**

(individuals, groups, and entities that interact with the Kanban Workflow)

- People who provide inputs to a Kanban workflow and may trigger tasks in the Kanban Workflow (Example – for a HR Leave Management workflow, stakeholders could be employees submitting leave requests which will result in tasks being created in the Leave Management Workflow)
- Clients, Business Leaders or External parties who provide feedback and review outcomes





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# 2.b Kanban Roles (review)



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- Kanban Manager
- Kanban Team Members
- Stakeholders



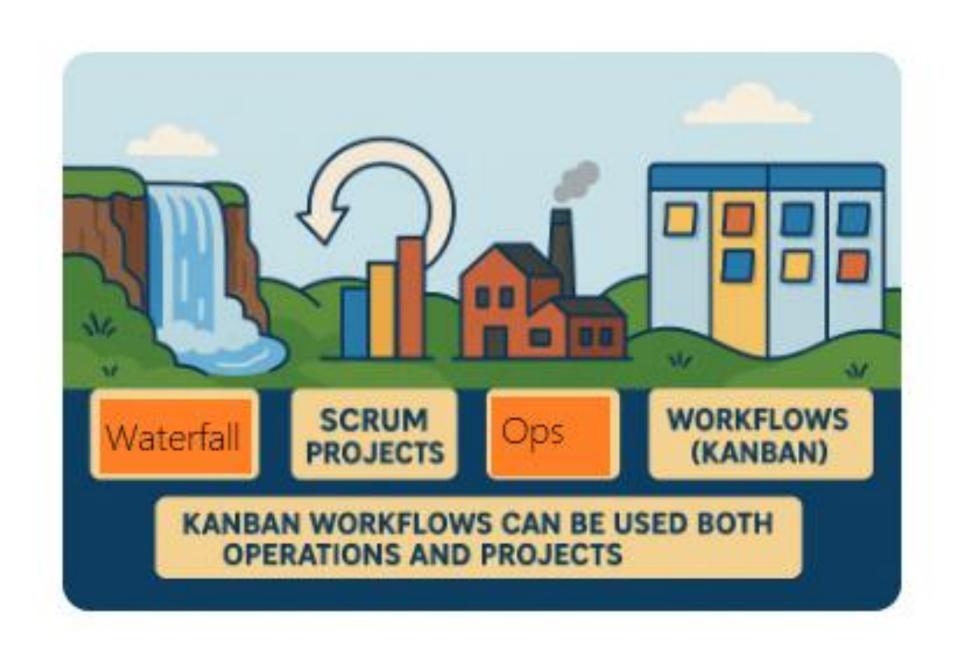


#### **Additional Reference and Further study:**

- KBOK<sup>™</sup> Guide Chapter 3: « Kanban Roles and Artifacts" (Pages 43–47)
- Advanced Kanbanstudy Certifications such as KPC<sup>™</sup>, KMC<sup>™</sup>, KPOC<sup>™</sup>,
   KSDOC<sup>™</sup>, etc.









	Waterfall Projects	Scrum Projects	Operations	Kanban Workflows (Can be used for Projects or Operations)
Objective	Deliver a final product after all phases are complete.	increments frequently for	Maintain business-as- usual efficiency.	Standardize and automate task execution.
Explanation	Here the Work is done in sequential phases; the product is delivered only when everything is finished.	so you deliver small	ldaily husiness	Create a visual, repeatable process to streamline tasks.
Example 1	Building a bridge – design, approval, construction, and inspection happen step by step before the bridge opens.	login feature is delivered in Sprint 1, chat in Sprint	Processing payroll every month or running customer support daily.	A Kanban board for handling all incoming customer service tickets.
	Software development with phases like requirements → design → coding → testing → deployment.	Same software project but broken into 2-week	Manufacturing cars on an assembly line	An IT Team using workflows to manage all their bugs.



	Waterfall Projects	Scrum Projects	Operations	Kanban Workflows (Can be used for Projects or Operations)
Objective	Deliver a final product after all phases are complete.	Deliver working increments frequently for feedback.	Maintain business-as- usual efficiency.	Standardize and automate task execution.
Explanation	Here the Work is done in sequential phases; the product is delivered only when everything is finished.	Work is split into sprints, so you deliver small usable pieces for early feedback.	Focuses on keeping daily business activities running smoothly.	Create a visual, repeatable process to streamline tasks.
Example 1	Building a bridge – design, approval, construction, and inspection happen step by step before the bridge opens.	A mobile app where the login feature is delivered in Sprint 1, chat in Sprint 2, payments in Sprint 3.	Processing payroll every month or running customer support daily.	A Kanban board for handling all incoming customer service tickets.
Example 2		Same software project but broken into 2-week sprints where requirements can change mid-project.	Manufacturing cars on an assembly line	An IT Team using workflows to manage all their bugs.



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	Waterfall Projects	Scrum Projects	Operations	Kanban Workflows (Can be used for Projects or Operations)
Definition	Linear, sequential project methodology with fixed phases.	Agile, iterative approach with sprints & adaptability.	Ongoing, repetitive activities to run the business.	Step-by-step sequence of tasks for a specific process.
Duration	Fixed timeline; each phase follows the previous one.	Time-boxed sprints; project evolves incrementally.	Continuous, no defined end date.	May be one-time or recurring, process-based.
Flexibility	Low – changes are costly once phases are locked.	High – adapts to changing requirements easily.	Low – follows standard operating procedures.	Moderate – can be customized for efficiency.
Ownership	Managed by Project Managers; top-down control.	Managed by Scrum Master, Product Owner & Team.	Managed by Operations Managers/ Departments.	Owned by Kanban Managers, Product Owner & Teams.





	Waterfall Projects	Scrum Projects	Operations	Kanban Workflows (Can be used for Projects or Operations)
Definition	Linear, sequential project methodology with fixed phases.	Agile, iterative approach with sprints & adaptability.	Ongoing, repetitive activities to run the business.	Step-by-step sequence of tasks for a specific process.
Duration	Fixed timeline; each phase follows the previous one.	Time-boxed sprints; project evolves incrementally.	Continuous, no defined end date.	May be one-time or recurring, process-based.
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Kanban Workflows can be used to manage both projects and Operations

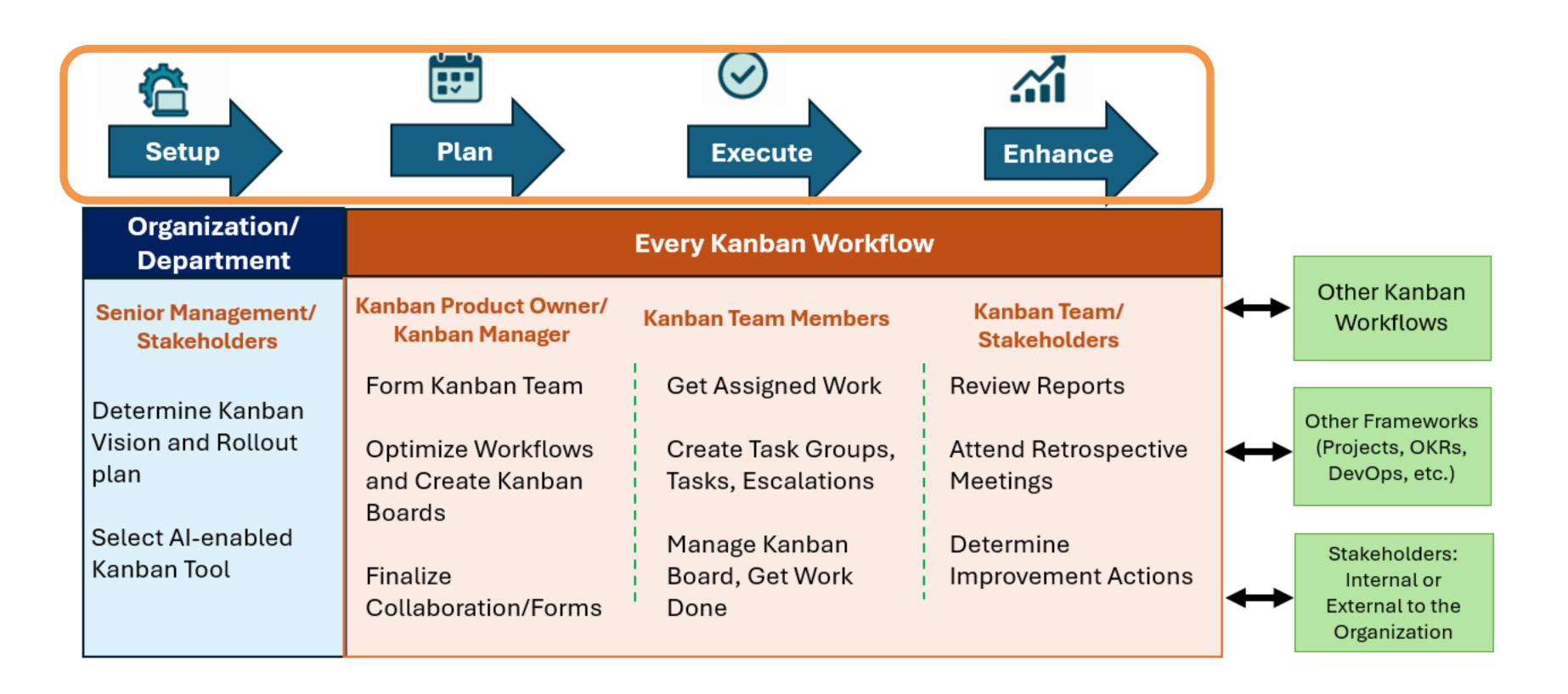
#### 2.b Overview of Kanban Framework



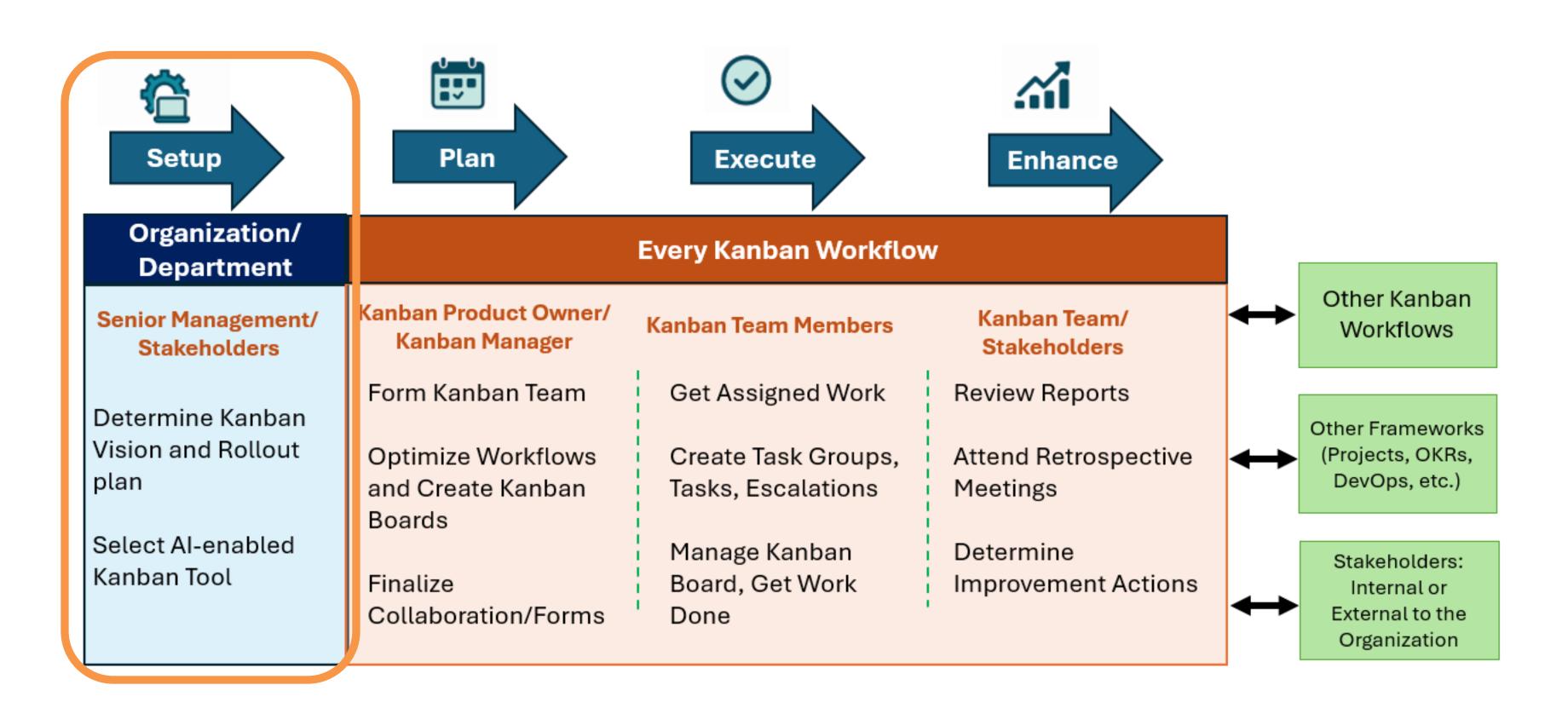


#### 2.b Overview of Kanban Framework

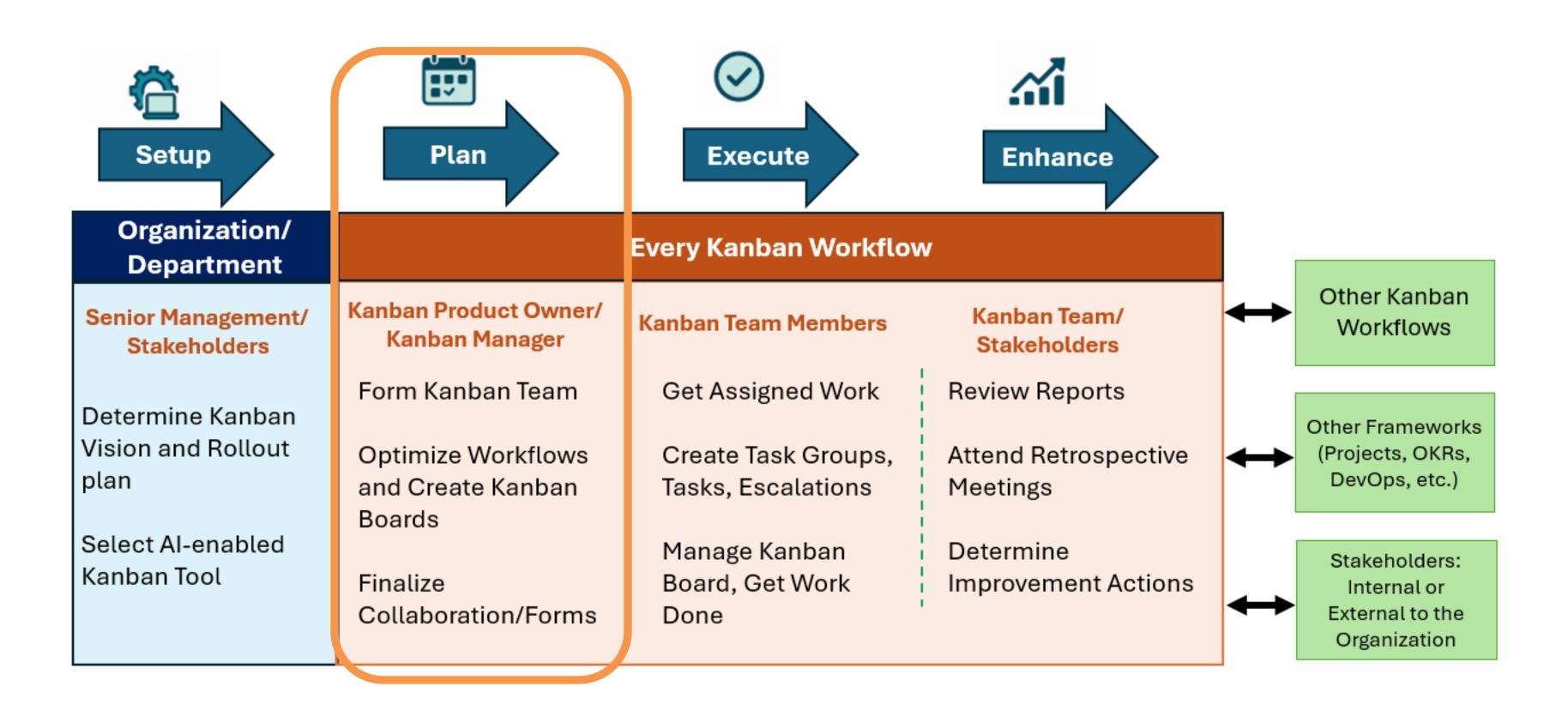




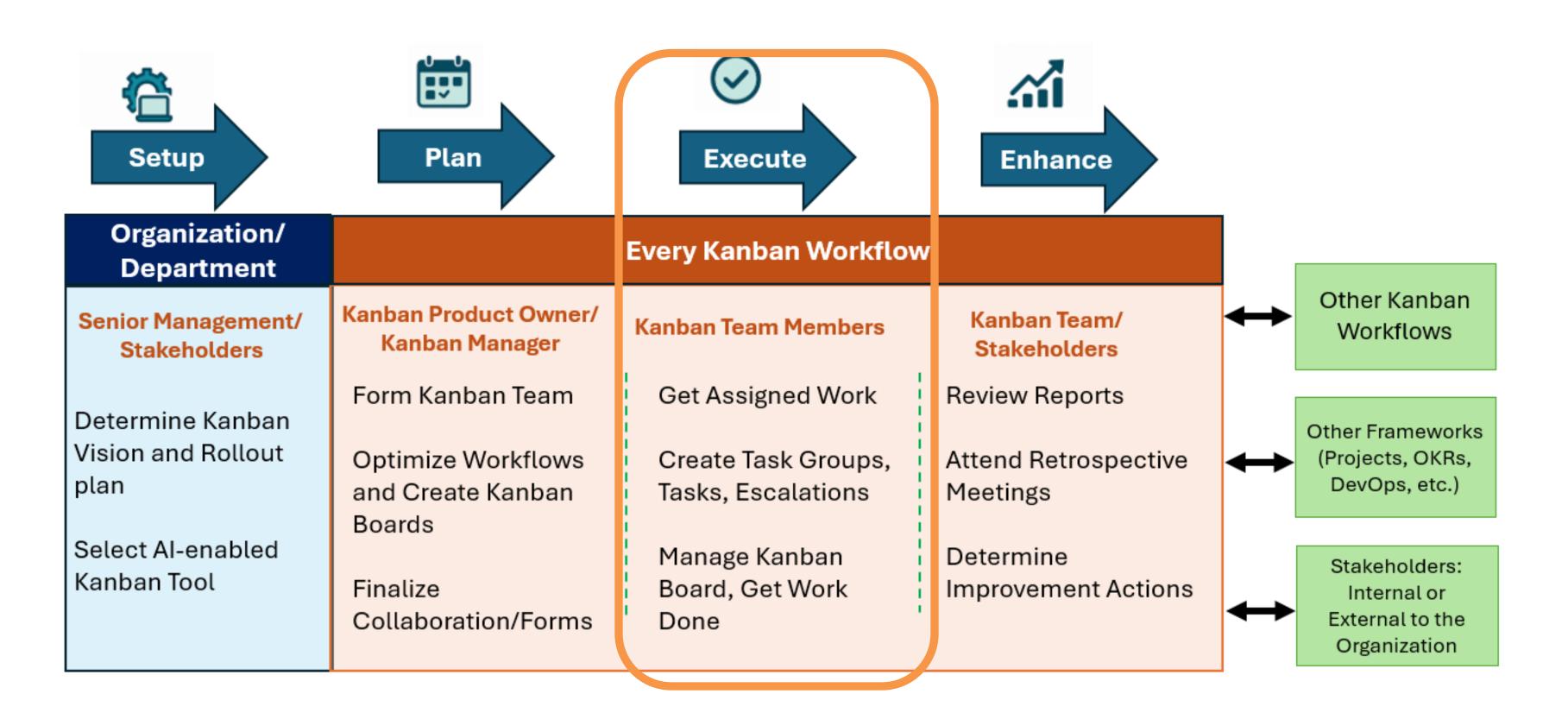




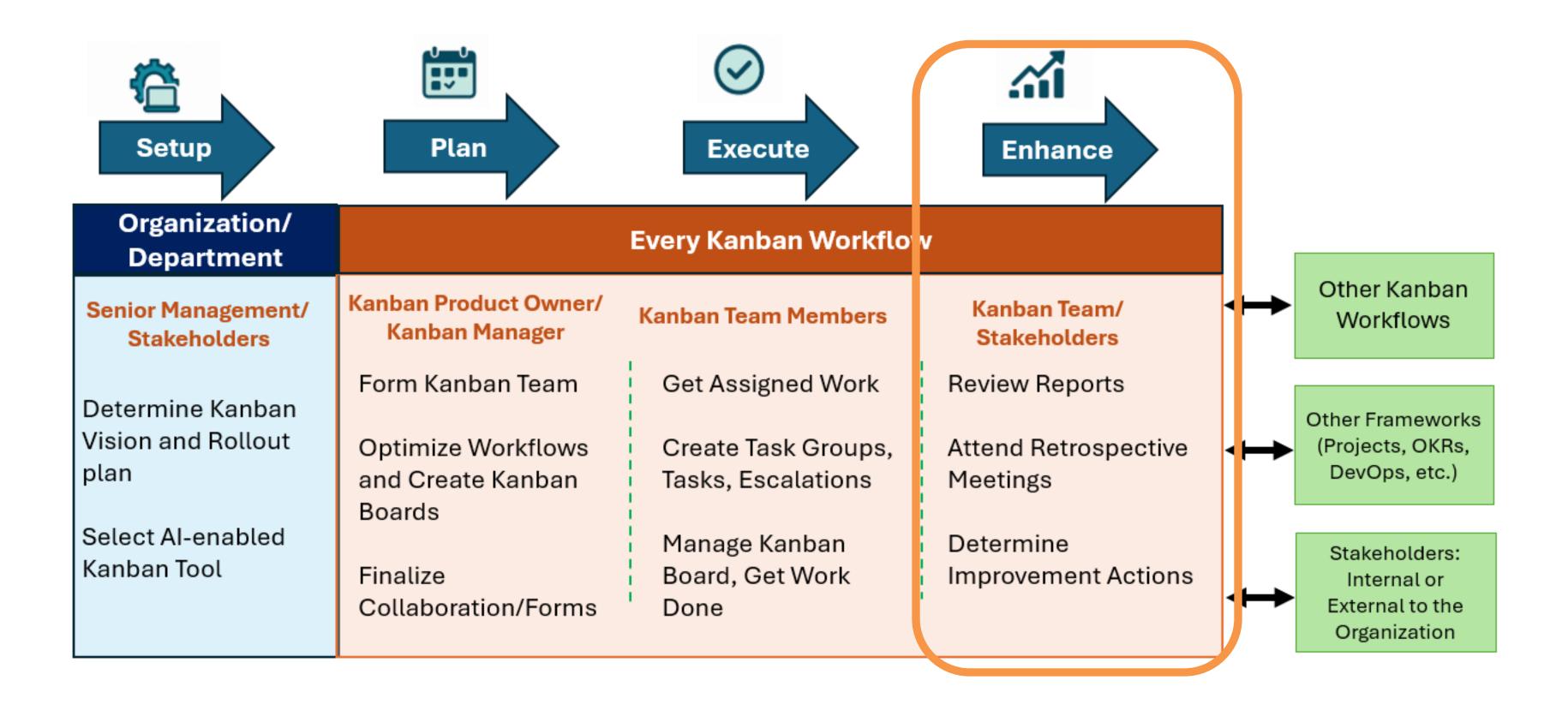




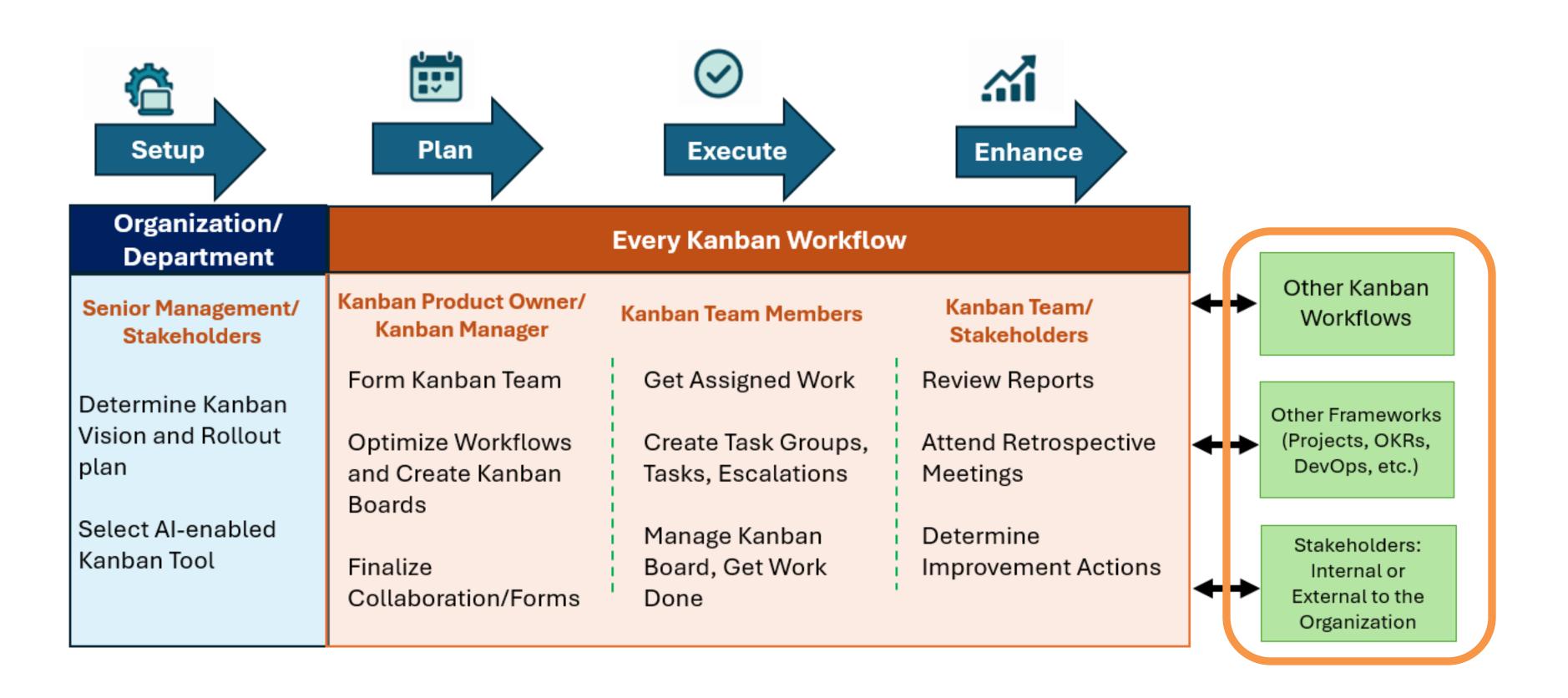
























Senior Management/

Department

Determine Kanban Vision and Rollout plan

Select Al-enabled Kanban Tool

#### **Senior Management/Stakeholders:**

• Provide direction, funding, and decision-making support for the Kanban rollout

#### **Determine Kanban Vision and Rollout Plan:**

Sponsors, Users and Customers with an interest in project outcomes

#### Select an Al-enabled Kanban Tool: (optional)

- Automate tasks, provide analytics, and make workflow management more efficient
- High quality AI-enabled Kanban Tool (e.g. Vabro.ai) can create entire workflows, Kanban Boards, Collaboration Forms, OKRs and more using just AI prompts and suggest best-practices for any workflow. Also provide high quality AI-powered analytics and reporting.





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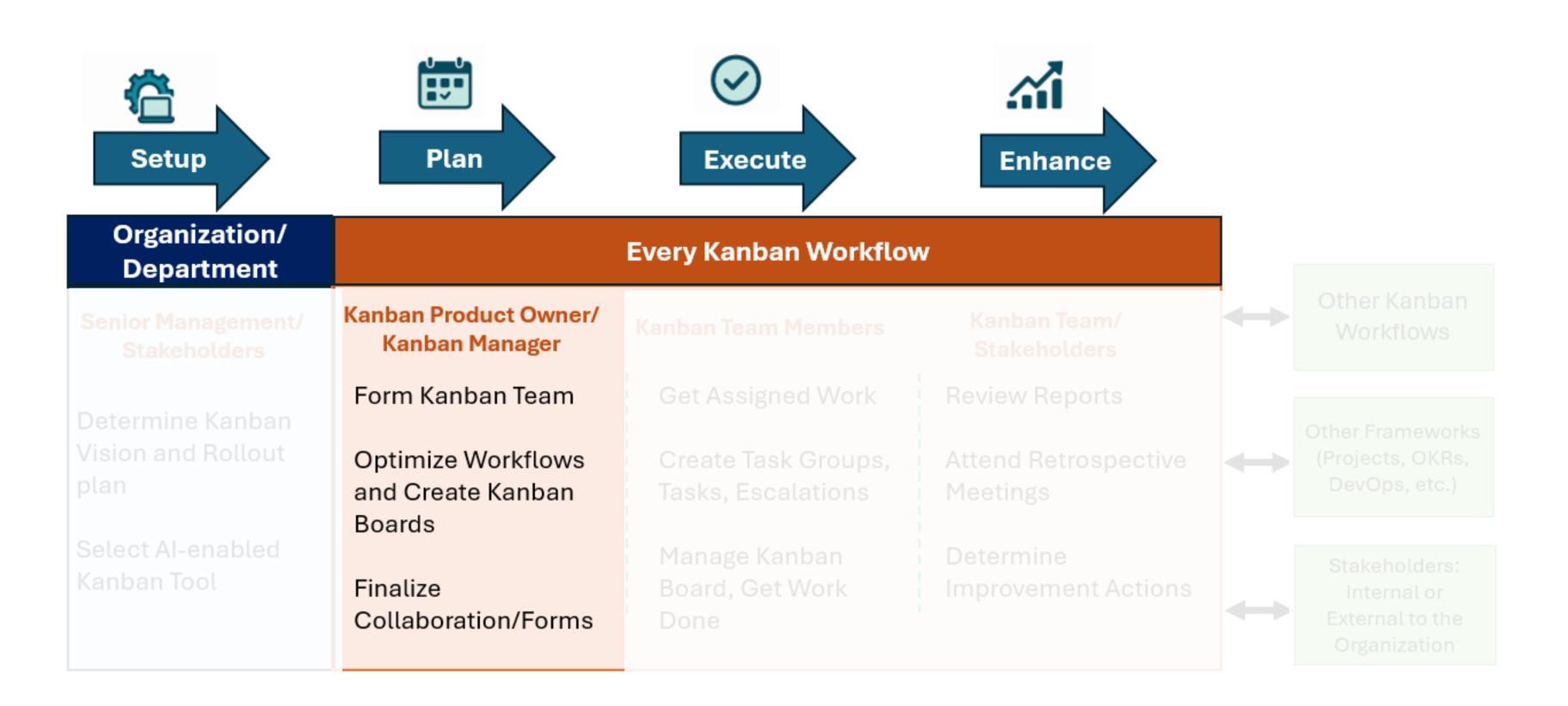
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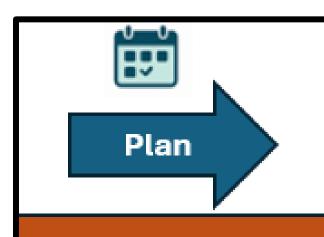












**Every Kanban Workflow** 

Kanban Product Owner/ Kanban Manager

Form Kanban Team

Optimize Workflows and Create Kanban Boards

Finalize Collaboration/Forms

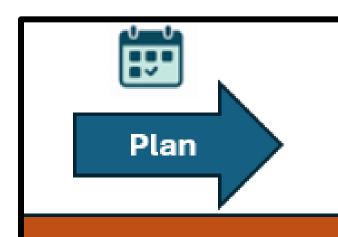
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- Kanban Product Owner defines the work, and sets priorities,...
- Kanban Manager focuses on workflow efficiency, removes obstacles.
- Same person can play both roles.

#### Form Kanban Team:

Clear roles and responsibilities to manage work using Kanban





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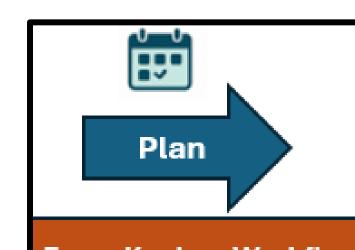
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  - Done completed Tasks
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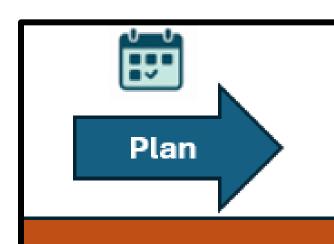
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#### **Finalize Collaboration and Forms:**

• Set up collaboration tools and communication channels, so that the entire team works seamlessly together. Includes messages, notifications, chats, etc.

#### Collaboration may be with stakeholders of different types:



Same Workspace – For example, one Kanban team collaboratively working on tasks within the same workflow.



Within the Organization but outside the Workspace – For example, employees submitting leave requests to an HR Leave Management Workflow or submitting reimbursement requests to a Finance Expense Management Workflow.







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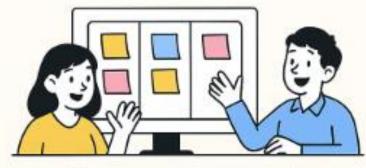
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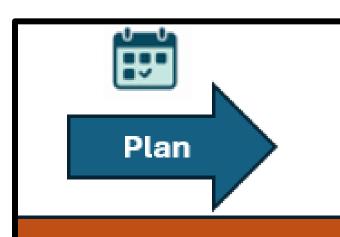


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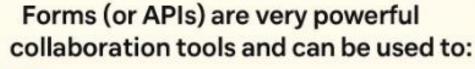
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Set up Kanban tasks in a prediefined format.



Collect inputs from customers and stakeholders from inside or outside the organization



Fully configure workflows, as forms support most data types including text, numbers, attachments, dates, dropdowns, and more



Configure and automate responses to external stakeholders through customizable headers, footers, automated messages, etc.



Automate stakeholder notifications as tasks move through different stages in Kanban workflow



Leverage Al-powered messaging and templates to simplify and standardize communication



Gather feedback and rating from external stakeholders about performance workflow (e.g. customer support feedback)







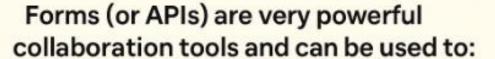
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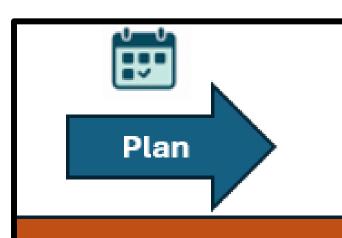
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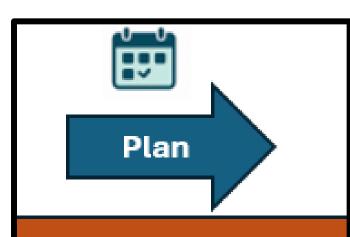


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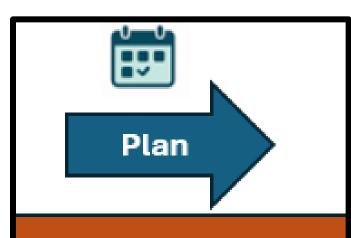
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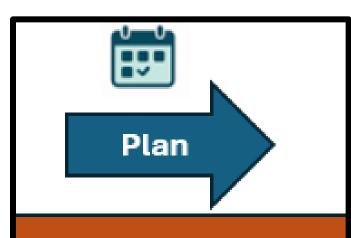
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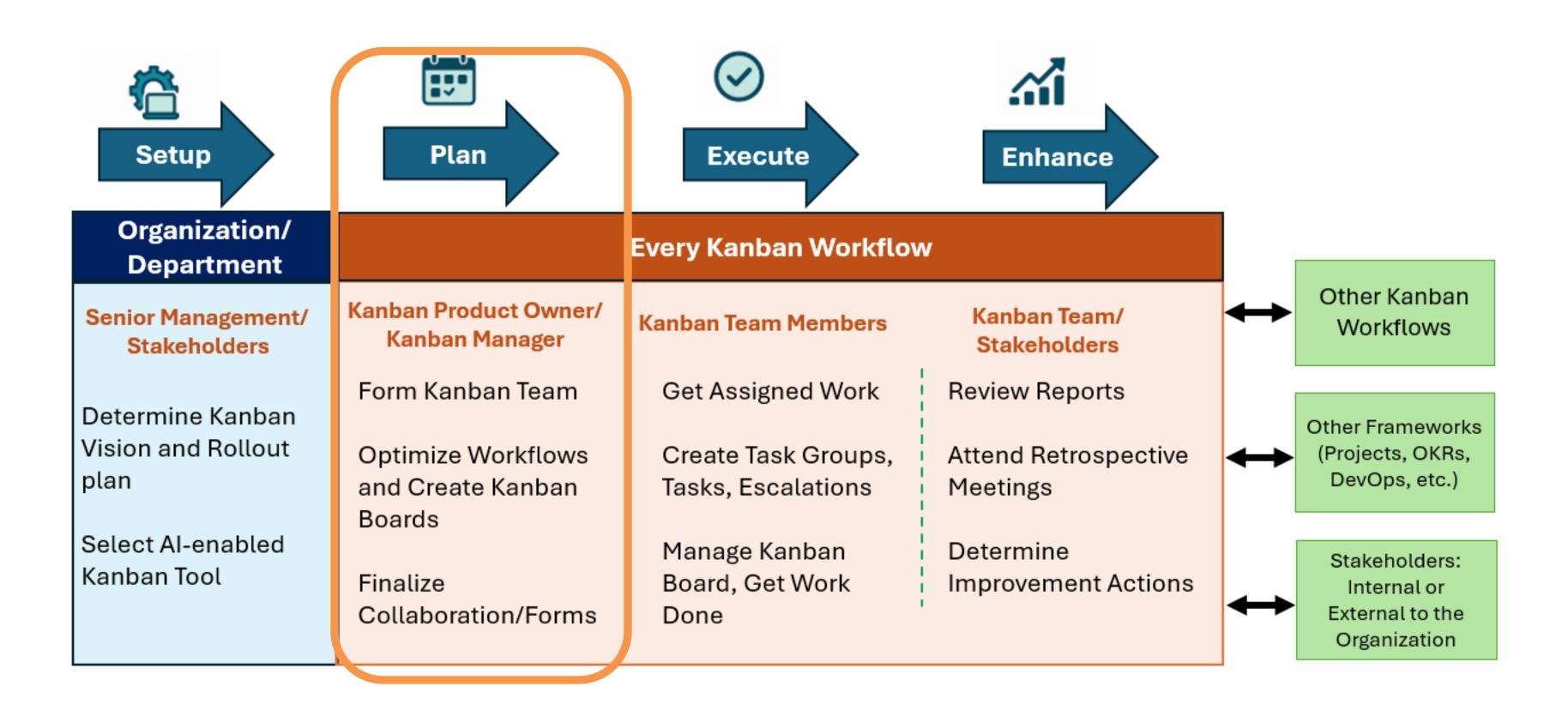
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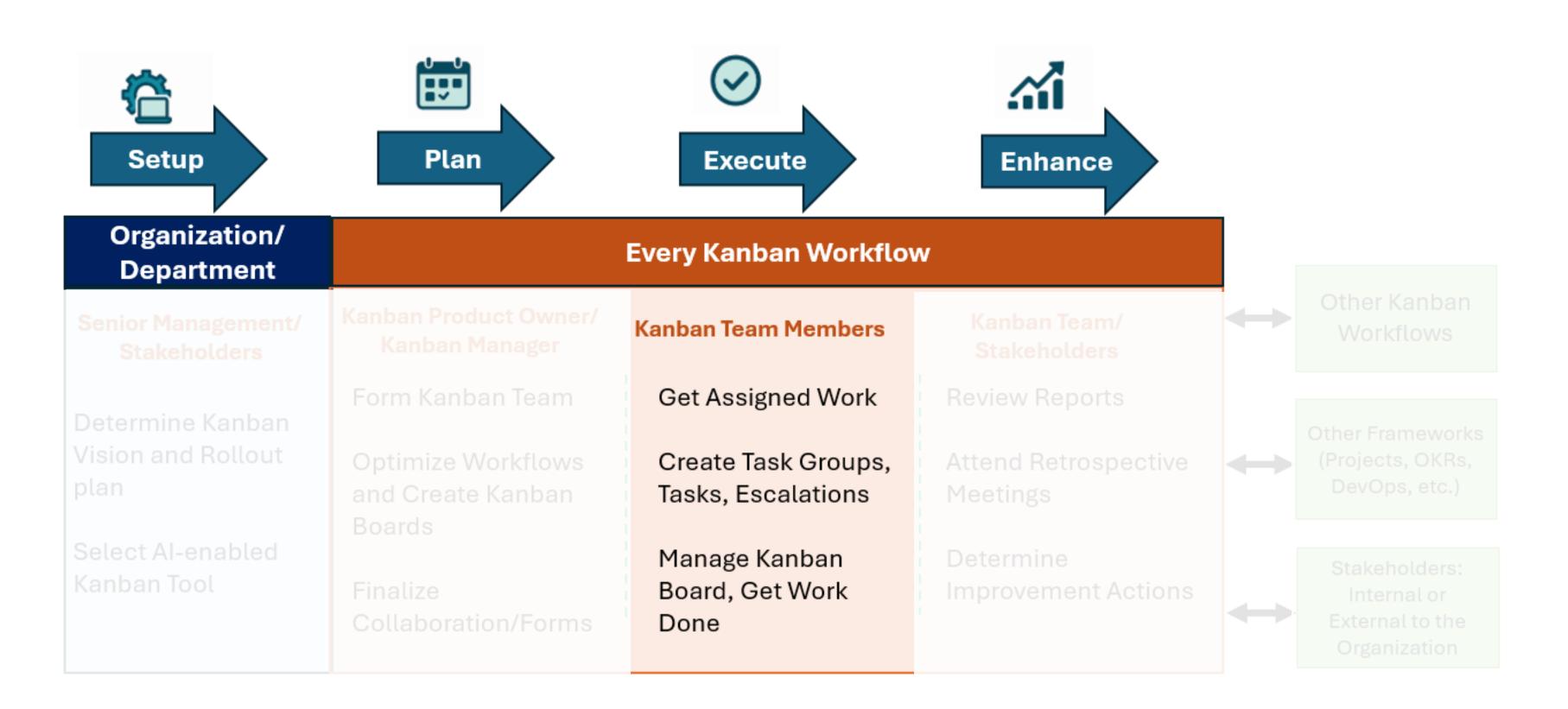


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**Kanban Team Members** 

Get Assigned Work

Create Task Groups, Tasks, Escalations

Manage Kanban Board, Get Work Done

### **Get Assigned Work:**

 Receive tasks from the Kanban backlog, Planning phase, Form submissions from other stakeholders or teams, Escalations etc.

#### **Create Task Groups/Tasks/Escalations:**

- Task Groups are collections of related tasks
- Tasks are individual work items
- Escalations refer to tasks that need to be assigned to another workflow, or issues or blockers that need higher-level attention to resolve quickly

#### Manage Kanban Board, Get Work Done:

- Move Tasks in the Kanban Board as they complete each task in the workflow
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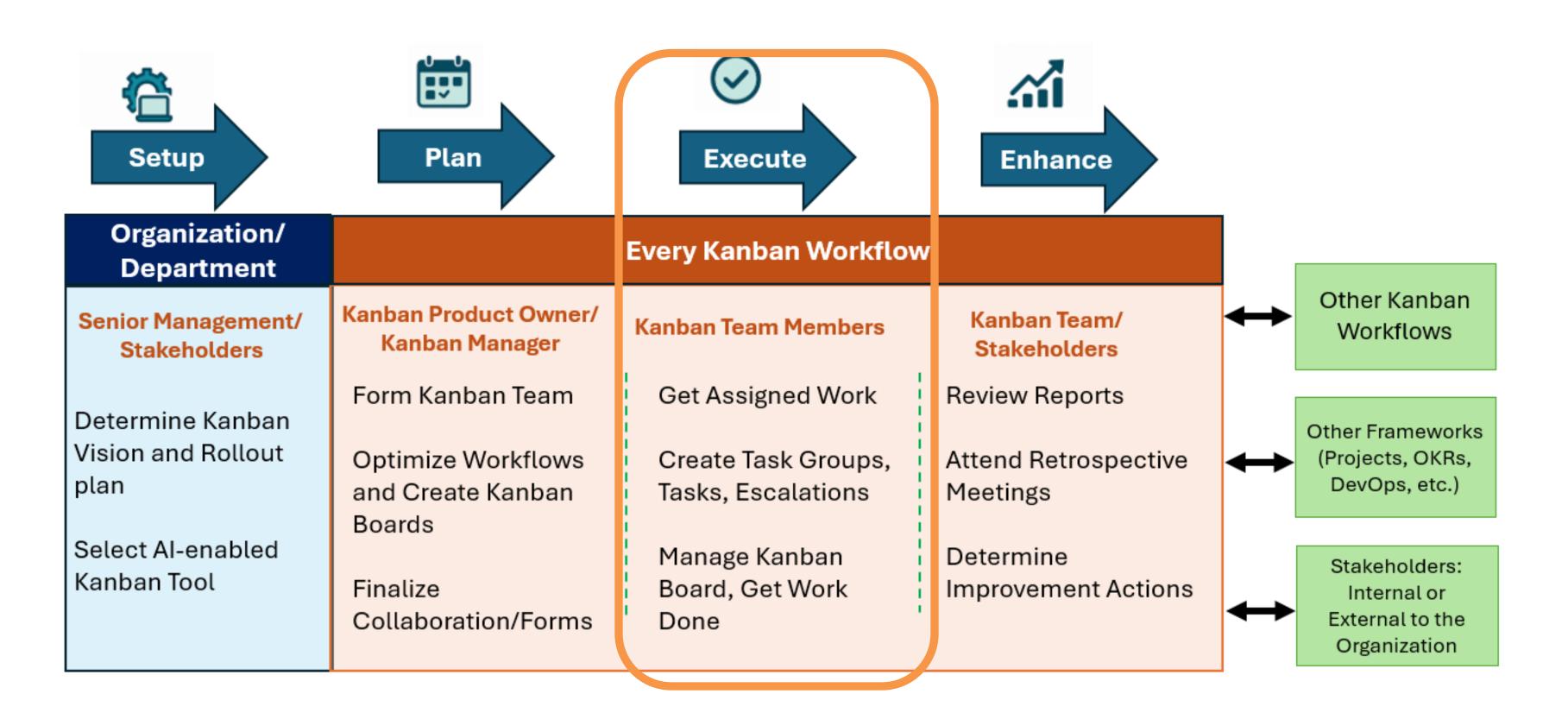
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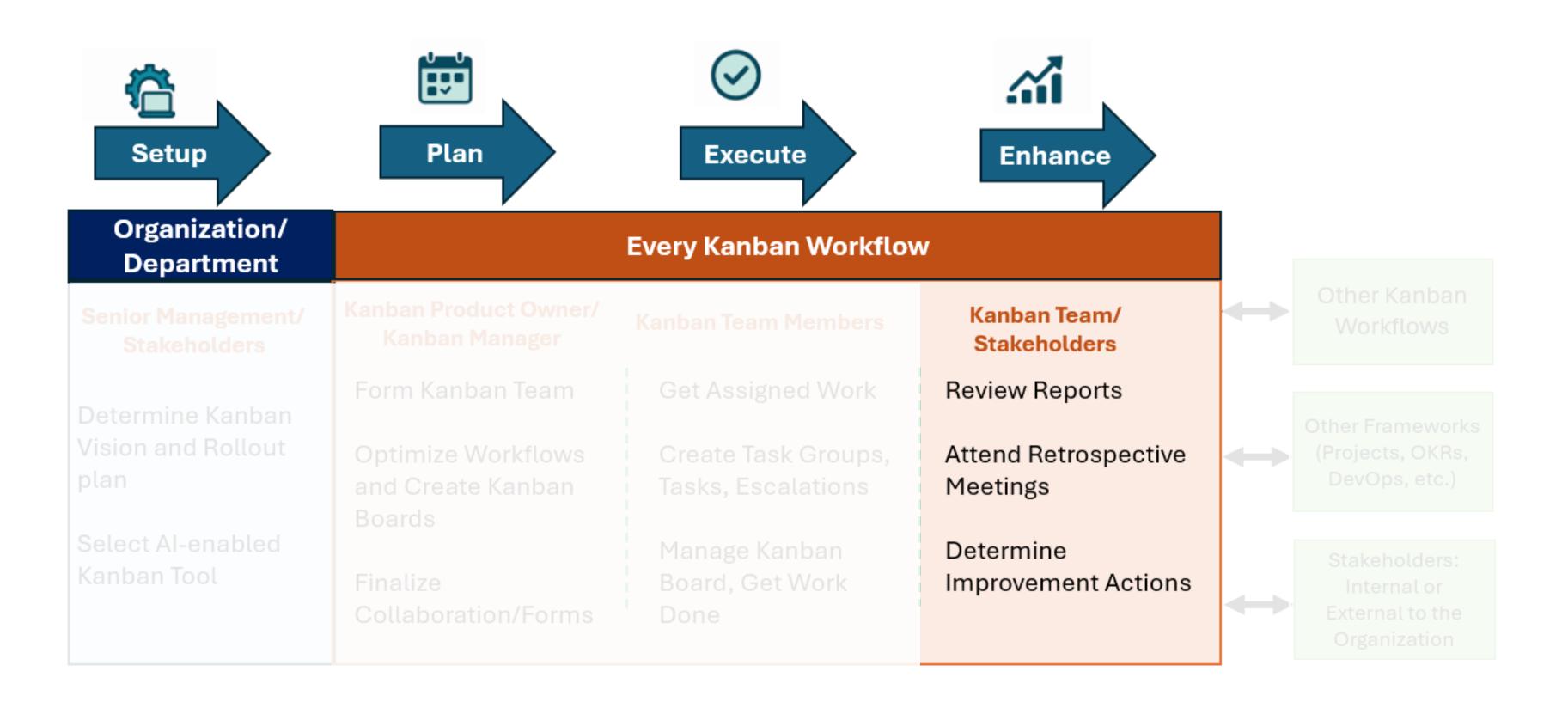
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Kanban Team/

**Stakeholders** 

**Review Reports** 

Attend Retrospective Meetings

Determine Improvement Actions

#### Kanban Team / Stakeholders:

Entire Kanban Team and all stakeholders involved.

### **Review Reports:**

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Team discusses what went well and what needs improvement

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#### Kanban Team / Stakeholders:

Entire Kanban Team and all stakeholders involved.

### **Review Reports:**

- Go through performance and progress reports to check how well the workflow performed
- Track Relevant Metrics to ensure faster delivery without sacrificing quality

#### **Attend Retrospective Meetings:**

Team discusses what went well and what needs improvement

#### **Determine Improvement Actions:**





**Every Kanban Workflow** 

Kanban Team/ Stakeholders

**Review Reports** 

Attend Retrospective Meetings

Determine Improvement Actions

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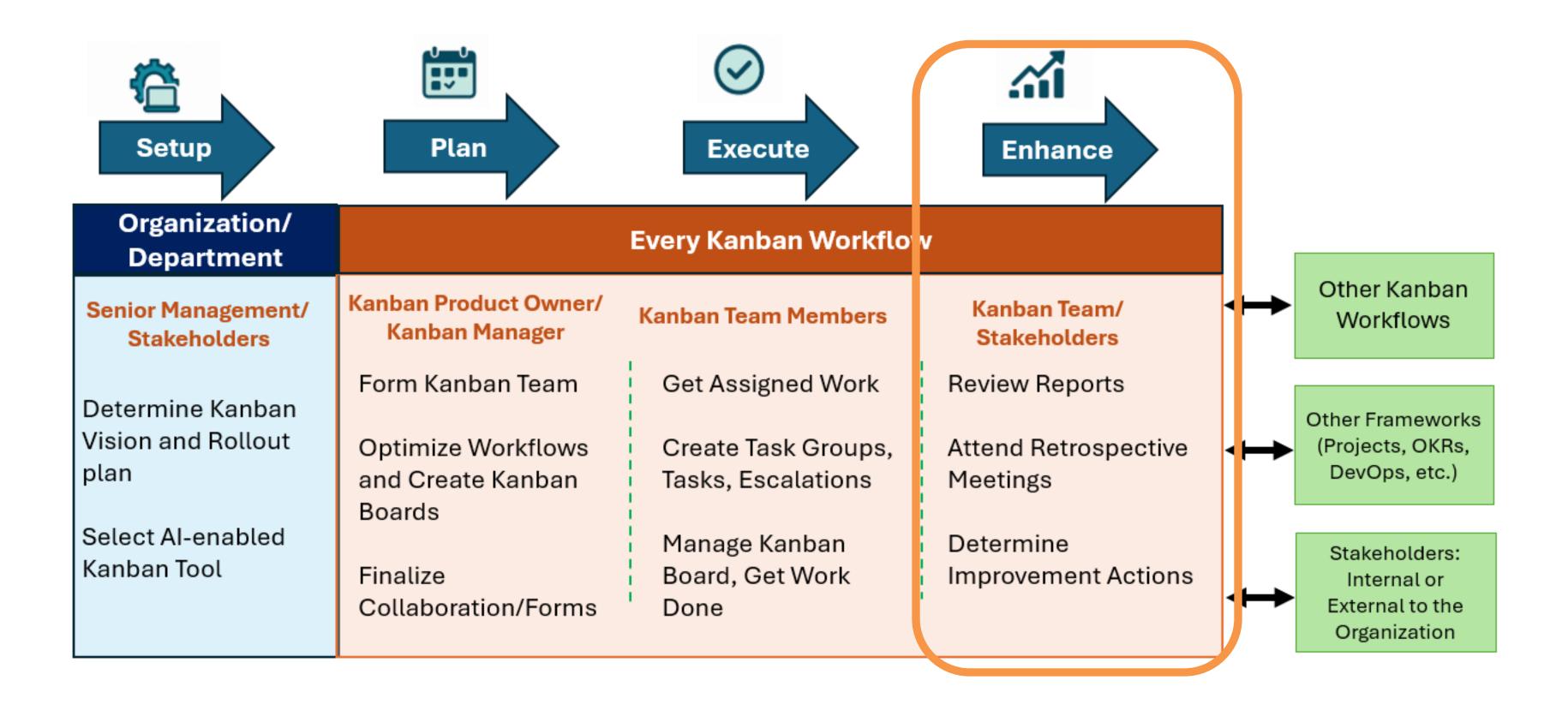
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Team discusses what went well and what needs improvement

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### Other Kanban Workflows

Other Frameworks (Projects, OKRs, DevOps, etc.)

> Stakeholders: Internal or External to the Organization

#### **Other Kanban Workflows:**

- Share tasks, dependencies, and updates
- Ensure smooth coordination and consistency

#### Other Frameworks (Projects, OKRs, DevOps, etc.):

Align tasks and timelines to improve efficiency.

### Stakeholders: Internal or External to the Organization:

 Get work, collect feedback, share progress updates, and ensure that expectations are met



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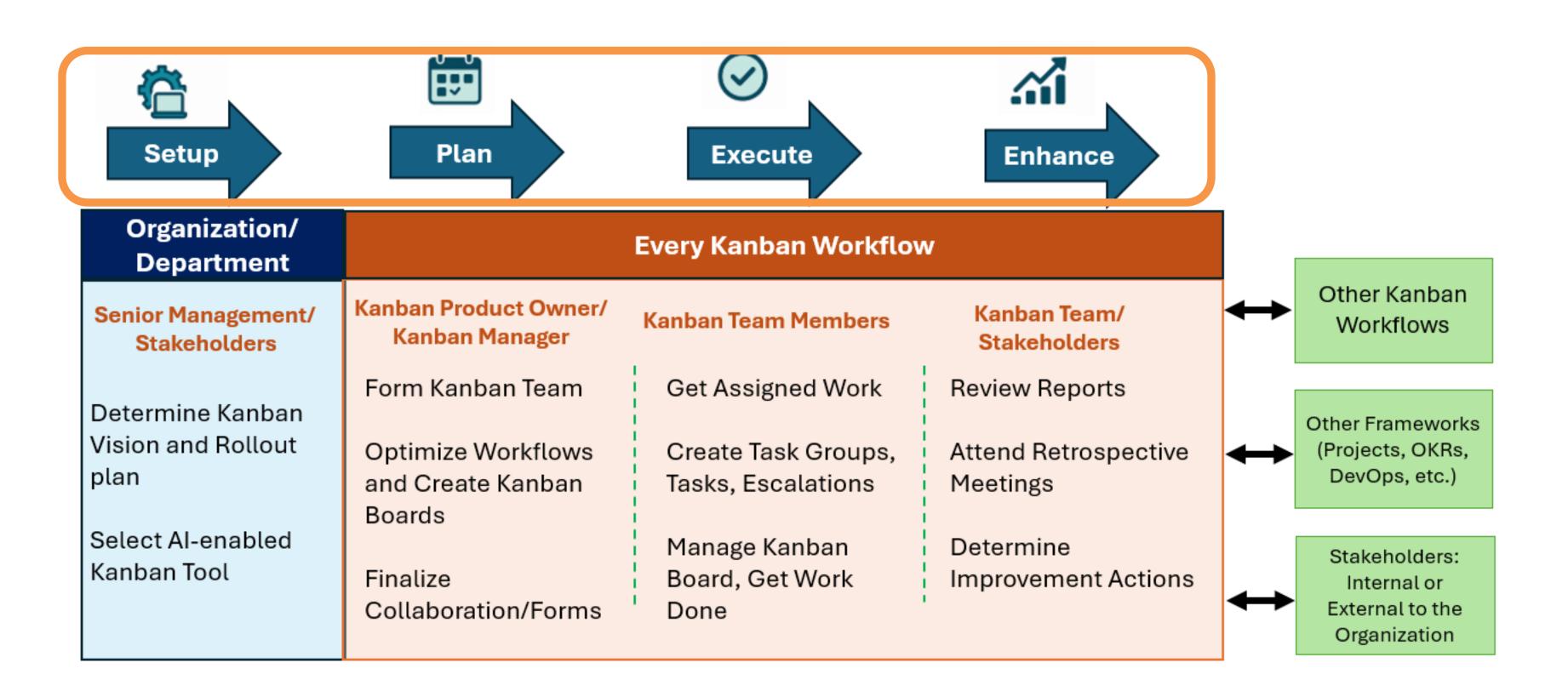
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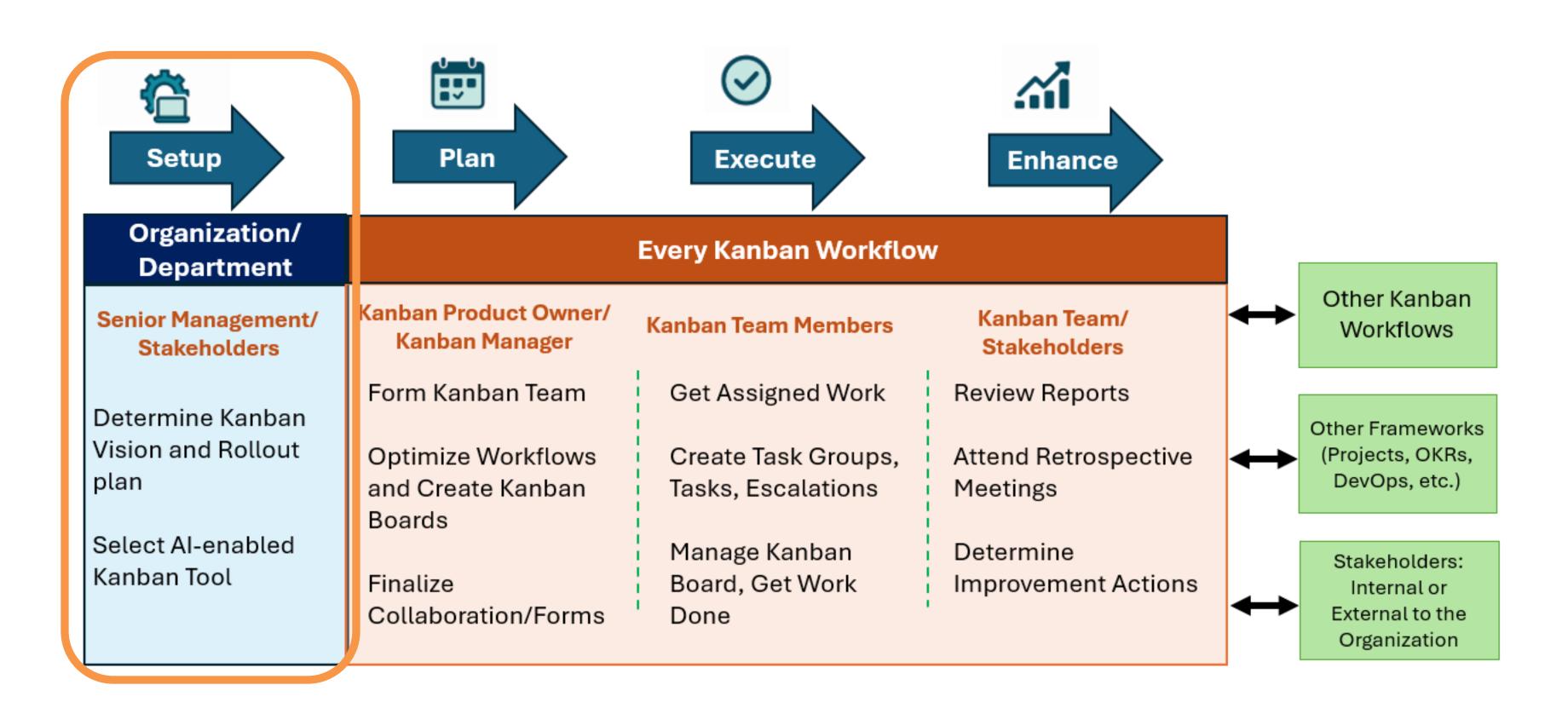




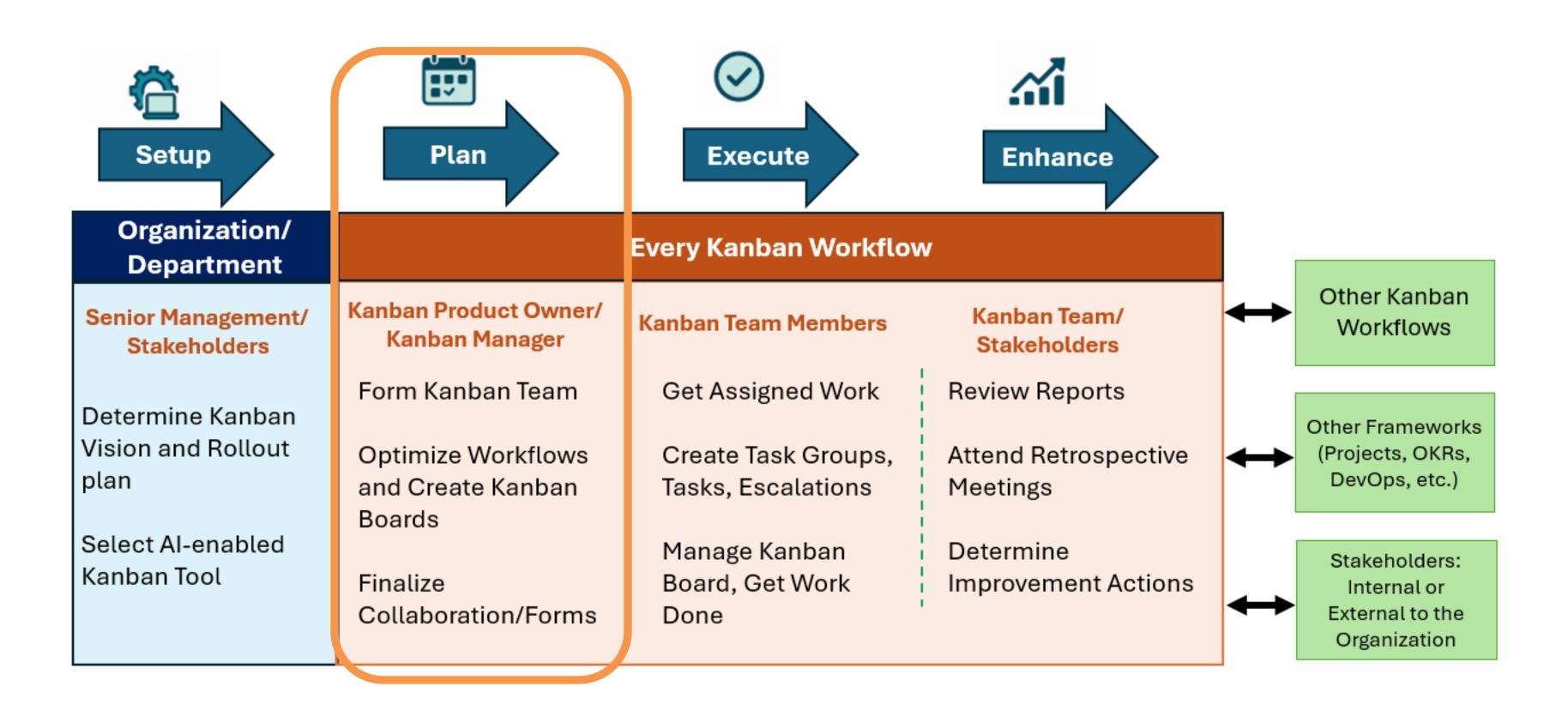




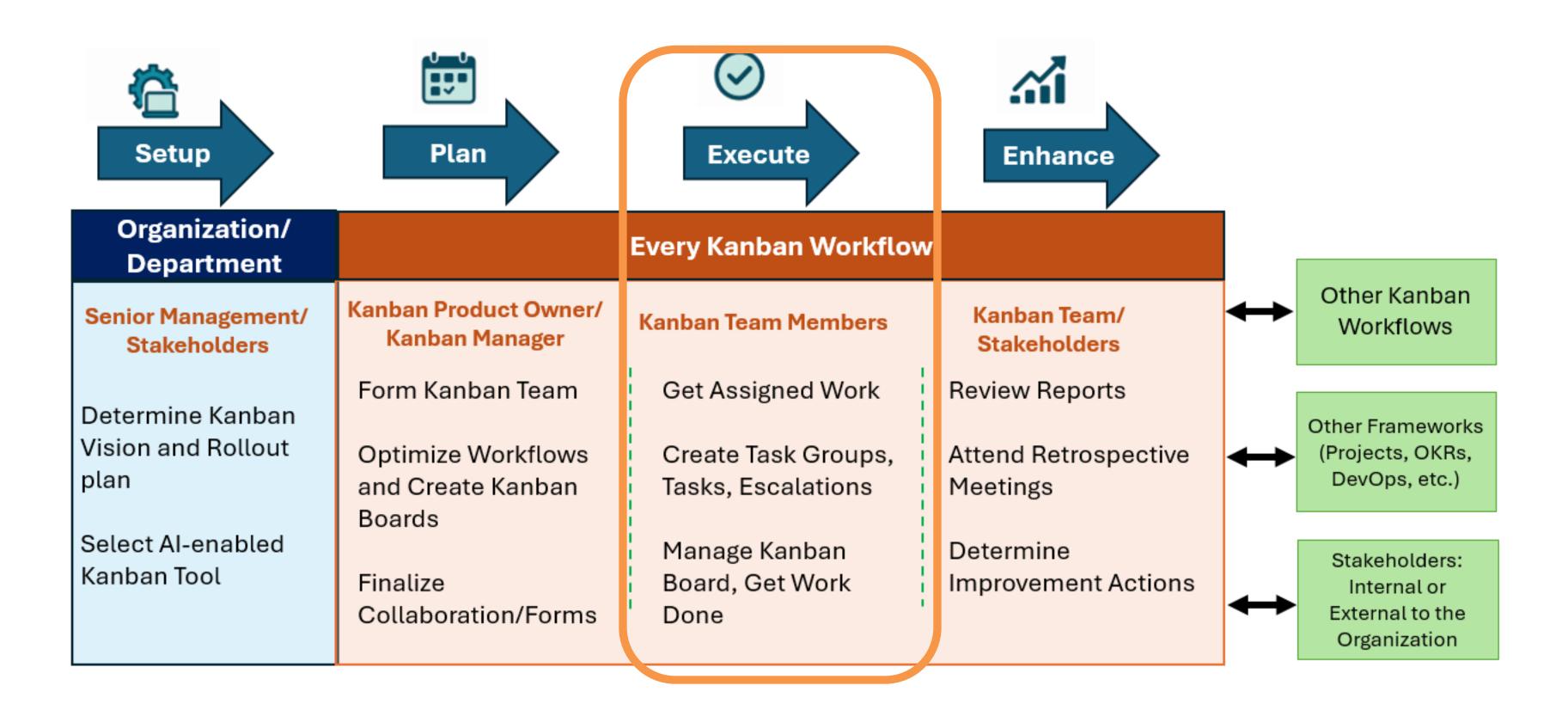








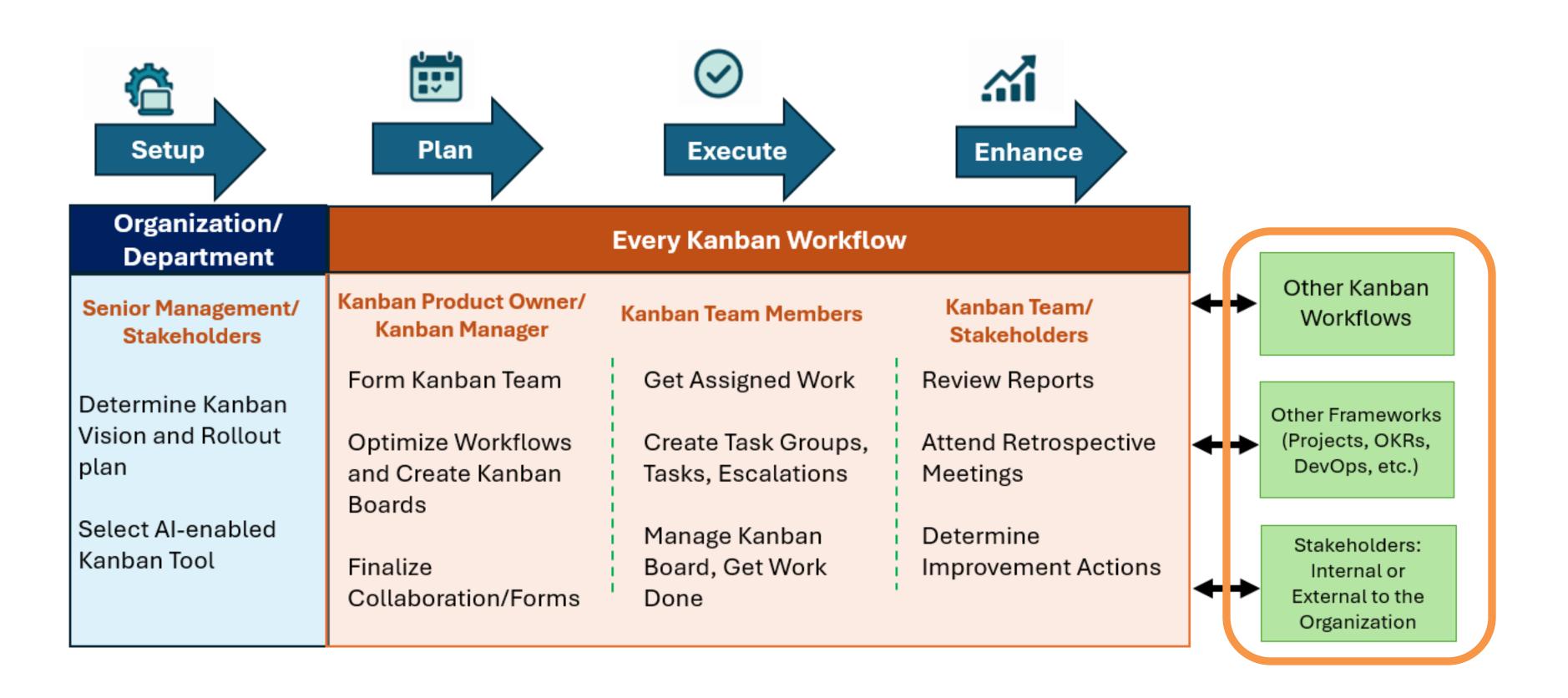
















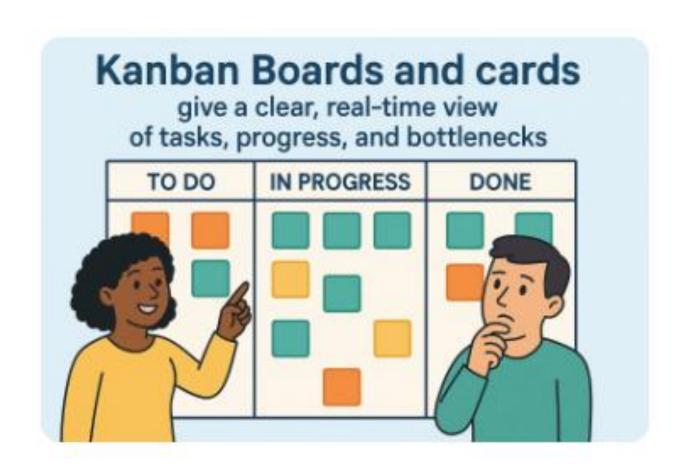






### **Visual Workflow Management**

 Boards and cards to give a clear, real-time view of tasks, progress, and bottlenecks





### **Improved Efficiency**

- Limit Work in Progress(WIP)
- Ensure focus on finishing existing tasks before starting new ones





### **Faster Delivery**

- Continuous flow helps deliver value quickly
- Reduces Delays
- Improves time-to-market





### Flexibility & Adaptability

- Accommodate changing priorities easily
- No disruption to entire workflow





#### **Enhanced Collaboration**

- Teams and stakeholders aligned
- Visual boards, updates, and clear responsibilities.





### **Data-Driven Improvements**

 Metrics and Reports help identify areas for process improvement





### **Scalability Across Teams**

- Works for individuals, small teams, or entire organizations
- integrates with other frameworks seamlessly.





- Visual Workflow Management
- Improved Efficiency
- Faster Delivery
- Flexibility & Adaptability
- Enhanced Collaboration
- Data-Driven Improvements
- Scalability Across Teams





### **Expansion of Kanban Over 25 Years**

- 2000–2005: Kanban moved beyond manufacturing into software and IT workflows
- 2005–2010: Early adoption and hybrid methods like Scrumban helped popularize Kanban
- 2010–2020: Adoption accelerated worldwide as organizations discovered its flexibility for project management and operations
- 2020–2025: Over 85–90% of organizations using Kanban plan to expand it across more teams
- Kanban software market has grown into billions of dollars and includes tools such as Vabro.ai,
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## 12-minute Break

**Kanbanstudy** 

- 1. Webinar Format and Prerequisites
- 2. Understanding Kanban Concepts
  - a. Brief History of Kanban
  - b. Kanban Roles, Overview and Why use Kanban?

Optional – Please review "Kanban Roles, Overview and Why Use Kanban" in the Webinar Reference Document

After the break – 12 question Quiz about Kanban Roles, Overview and Why use Kanban?

### 12 minute Health Break



## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 1 of 12)



### **Quiz Question**

Which of the following lists the important roles in Kanban?

- a) Scrum Master, Product Owner, Developers, Tester
- b) Kanban Product Owner, Kanban Manager, Kanban Team Members, Stakeholders
- c) Chef, Waiter, Manager, Customer
- d) Project Sponsor, QA Lead, Business Analyst, End Users

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ans 1 of 12)



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- d) Project Sponsor, QA Lead, Business Analyst, End Users

#### Correct Answer

Option b)

#### Justification

- The important roles in Kanban include:
  - 1. Kanban Product Owner Defines work and priorities.
  - 2. Kanban Manager Facilitates smooth workflow and improvements.
  - 3. Kanban Team Members Execute tasks and deliver value.
  - 4. Stakeholders Provide feedback and ensure alignment with goals.

Other options mention roles from Scrum, general project management, or even a restaurant, so they are incorrect or humorous.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 2 of 12)



### **Quiz Question**

Which of the following best describes the role of a Kanban Manager?

- a) Manages the Kanban Board, removes obstacles, monitors metrics, drives continuous improvement, and facilitates effective execution
- b) Writes code for the Kanban software and manages IT servers
- c) Designs marketing posters and social media content for Kanban adoption
- d) Orders lunch for the Kanban team during meetings

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ans 2 of 12)



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Option a)

#### Justification

The Kanban Manager plays a critical role in ensuring smooth workflow by:

- Managing the Kanban Board to maintain clarity on tasks.
- Removing obstacles that hinder progress.
- · Monitoring metrics to track efficiency and quality.
- **Driving continuous improvement** for better performance.
- Facilitating or coaching the team for effective execution.

Other options are unrelated or humorous and do not reflect the real responsibilities of a Kanban Manager.



## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 3 of 12)



### **Quiz Question**

What is the main responsibility of Kanban Team Members?

- a) Approving budgets for the entire organization
- b) Writing company policies and HR guidelines
- c) Designing the company's office layout and furniture plan
- d) Collaborating effectively and executing tasks to deliver expected results

# 2.b Overview of Kanban and why Use Kanban? (Ans 3 of 12)



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- c) Designing the company's office layout and furniture plan
- d) Collaborating effectively and executing tasks to deliver expected results

### **Correct Answer**

Option d)

### Justification

Kanban Team Members are primarily responsible for:

- · Collaborating effectively within the team.
- Executing tasks as per priorities on the Kanban board.
- Delivering expected results efficiently to maintain workflow.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 4 of 12)



### **Quiz Question**

How many phases is the Kanban Framework divided into, and which of the following lists them correctly?

- a) Two phases Design and Deployment
- **b)** Three phases Start, Manage, Close
- c) Four phases Setup, Plan, Execute, and Enhance
- d) Five phases Initiate, Plan, Build, Test, Deliver

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ans 4 of 12)



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#### Correct Answer

Option c)

- The Kanban Framework is divided into four key phases:
  - 1. Setup
  - 2. Plan
  - 3. Execute
  - 4. Enhance

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 5 of 12)



### Quiz Question

What is the first step in Kanban Implementation to ensure alignment with the company's structure and goals?

- a) Executing tasks directly without any planning
- b) Creating individual Kanban boards for personal tasks only
- c) Skipping setup and starting with process automation
- d) Beginning with Setup at the organizational or departmental level

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ans 5 of 12)



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#### Correct Answer

Option d)

- Kanban Implementation starts with the Setup phase at the organizational or departmental level.
- This ensures the Kanban initiative aligns with the company's structure, goals, and workflows before moving to planning, execution, and enhancement.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 6 of 12)



### **Quiz Question**

Which of the following best describes the capabilities of a high-quality Al-enabled Kanban Tool?

- a) Only creates simple task lists without any automation or analytics.
- b) Focuses exclusively on manual board setup with no AI assistance.
- c) Provides basic Kanban boards but lacks collaboration or analytics features.
- d) Creates entire workflows, Kanban Boards, Collaboration Forms, OKRs, suggests best practices, and offers Al-powered analytics and reporting using Al prompts.

## 2.b Overview of Kanban and why Use Wanbanstudy Kanban? (Ans 6 of 12)



#### **Quiz Question**

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- d) Creates entire workflows, Kanban Boards, Collaboration Forms, OKRs, suggests best practices, and offers Al-powered analytics and reporting using Al prompts.

#### Correct Answer

Option d)

- A high-quality Al-enabled Kanban Tool goes beyond basic board creation.
- It uses **AI prompts** to:
  - Create entire workflows & Kanban Boards automatically.
  - 2. Build Collaboration Forms and OKRs aligned with goals.
  - 3. Suggest best practices for workflows.
  - 4. Provide Al-powered analytics & reporting for decision-making.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 7 of 12)



### **Quiz Question**

Which of the following best explains the main benefit of optimizing Kanban workflows?

- a) It eliminates the need for team collaboration altogether.
- b) It focuses only on increasing the number of tasks in progress at once.
- c) It ensures faster, smoother, and more efficient task movement through the workflow.
- d) It replaces all manual processes with unrelated automation tools.

## 2.b Overview of Kanban and why Use Wkanbanstudy Kanban? (Ans 7 of 12)



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Option c)

- Optimizing Kanban workflows means improving processes to:
  - 1. Reduce bottlenecks
  - 2. Streamline task flow
  - 3. Enhance team efficiency
  - 4. Deliver value faster

## 2.b Overview of Kanban and why Use Wkanbanstudy Kanban? (Ques 8 of 12)



### **Quiz Question**

What are **Task Groups** in Kanban?

- a) Individual tasks assigned to a single team member
- b) Collections of related tasks grouped together
- c) Completed tasks moved to the Done column
- d) Random tasks with no common objective

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ans 8 of 12)



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- a) Individual tasks assigned to a single team member
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#### Correct Answer

Option b)

- Task Groups in Kanban are collections of related tasks combined under one objective or theme.
- This grouping helps in organizing work, tracking overall progress, and simplifying workflow visualization.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 9 of 12)



### Quiz Question

What is the main focus of the **Enhance Phase** in the Kanban Framework?

- a) Setting up the Kanban Board for the first time
- b) Assigning budgets and financial approvals for the Kanban project
- c) Designing marketing materials for Kanban adoption
- d) Tracking relevant metrics to ensure faster delivery without sacrificing quality

## 2.b Overview of Kanban and why Use Wkanbanstudy Kanban? (Ans 9 of 12)



### **Quiz Question**

What is the main focus of the Enhance Phase in the Kanban Framework?

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- b) Assigning budgets and financial approvals for the Kanban project
- c) Designing marketing materials for Kanban adoption
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#### Correct Answer

Option d)

- In the Enhance Phase, the Kanban Team and Stakeholders:
  - Track key metrics like cycle time, throughput, and lead time.
  - 2. Ensure continuous improvement in workflow efficiency.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 10 of 12)



### **Quiz Question**

What does Visual Workflow Management in Kanban help teams achieve?

- a) It hides task details to reduce team involvement.
- b) It uses boards and cards to give a clear, real-time view of tasks, progress, and bottlenecks.
- c) It focuses only on financial budgeting for the project.
- d) It replaces all team meetings with automated emails.

## 2.b Overview of Kanban and why Use Wkanbanstudy **Kanban?** (Ans 10 of 12)



### **Quiz Question**

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#### Correct Answer

Option b)

- Visual Workflow Management in Kanban uses boards (for workflow stages) and cards (for tasks) to:
  - 1. Show real-time progress.
  - 2. Identify bottlenecks quickly.
  - 3. Improve team collaboration and transparency.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 11 of 12)



### **Quiz Question**

Which statement best describes Scalability Across Teams in Kanban?

- a) Kanban can only be applied to individual tasks and does not integrate with other frameworks.
- b) Kanban can scale from individuals to small teams to entire organizations while integrating seamlessly with other frameworks.
- c) Kanban is limited to software development projects and cannot support operational workflows.
- d) Kanban requires a complete organizational restructuring before scaling across teams.

## 2.b Overview of Kanban and why Use WKanbanstudy **Kanban?** (Ans 11 of 12)



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#### Correct Answer

Option b)

- Kanban is highly scalable and works at different levels:
  - 1. Individuals → For personal productivity.
  - 2. Small Teams → For collaborative projects.
  - Organizations → For enterprise-wide workflows.
- It integrates with other frameworks like Scrum, DevOps, or OKRs seamlessly.

## 2.b Overview of Kanban and why Use WKanbanstudy Kanban? (Ques 12 of 12)



### **Quiz Question**

Which factor has most significantly contributed to the global growth and adoption of Kanban tools in recent years?

- a) Limiting Kanban tools to on-premise use for security reasons
- b) Reducing collaboration features to focus on individual productivity only
- c) The rise of cloud-based Kanban tools combined with increasing remote work trends
- d) Restricting Kanban to manufacturing workflows exclusively

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#### Correct Answer

Option c)

- The massive growth and global adoption of Kanban tools are primarily driven by:
  - Cloud-based platforms enabling access from anywhere.
  - 2. Remote work trends demanding real-time collaboration and transparency.
  - 3. Integration with team communication tools and project management ecosystems.

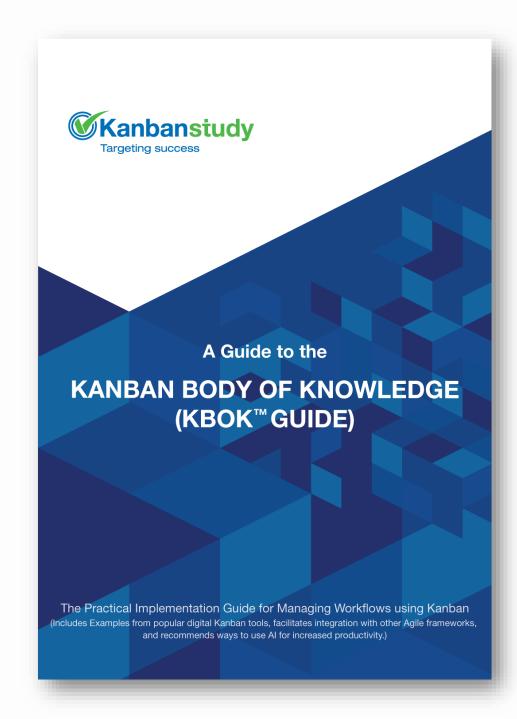
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  - Why use the KBOK™ Guide? ✓



- Kanban Principles
- Kanban Metrics and Reports
- Kanban Processes
- Next Steps
- 4. All ready for the KEC<sup>TM</sup> Certification!





	Other Kanban Books	KBOK™ Guide
1.	Overly theoretical, lengthy and lack practical examples	Practical and relevant
2.	No mention of contemporary topics such as AI, or Kanban Tools	Includes Contemporary concepts and Al
3.	No practical use with any tool	Practical implementation with Vabro.ai – a leading Al-powered SaaS Kanban Tool
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## 2.c Why use the KBOK<sup>TM</sup> Guide?



### Practical, Contemporary and Supports Al

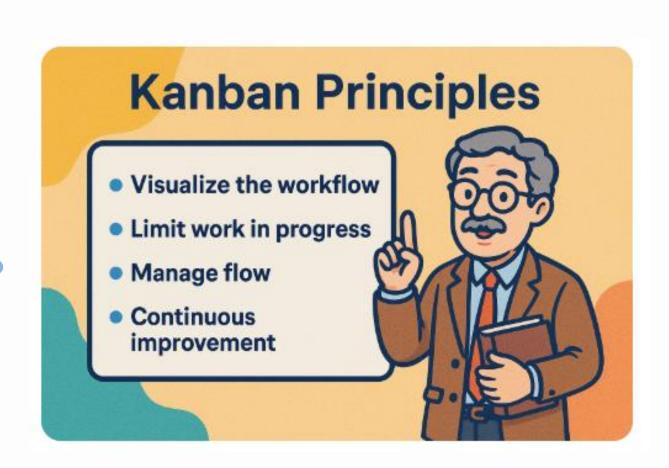
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Easily organized and Fun to Read!

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## 2.d Kanban Principles



- Core guidelines for applying the Kanban framework
- Should mandatorily be used in all Kanban Workflows
- Non-negotiable and should be kept intact



Understanding the basics of Kanban Principles is sufficient for this webinar.

## 2.d Kanban Principles







### **Empirical Process Control**

- Rely on real data and observation to make decisions
- Teams learn and improve by analyzing actual results





### **Iterative or Incremental Development**

- Work is done in small, manageable pieces
- Continuous improvement and quick adaptation to change





### **Collaborative Leadership**

- Shared responsibility and teamwork
- Team members work together to solve problems





#### **Value-based Prioritization**

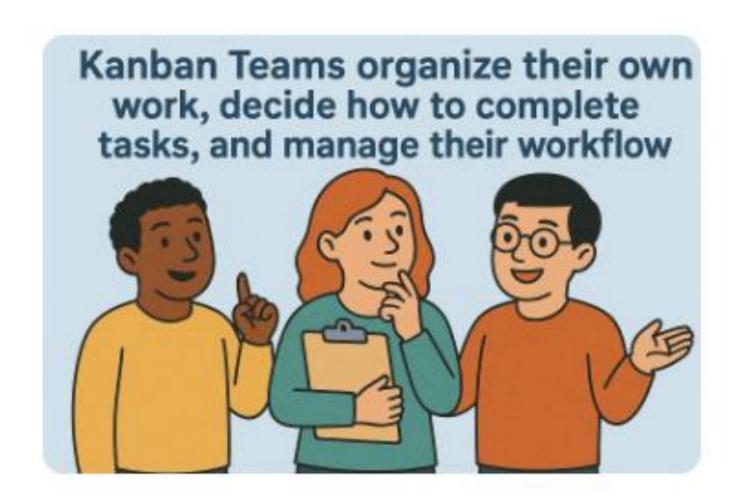
- Tasks are prioritized based on the value they bring to the customer or organization
- Most impactful work is done first





### **Self-organization**

 Teams organize their own work, decide how to complete tasks, and manage their workflow





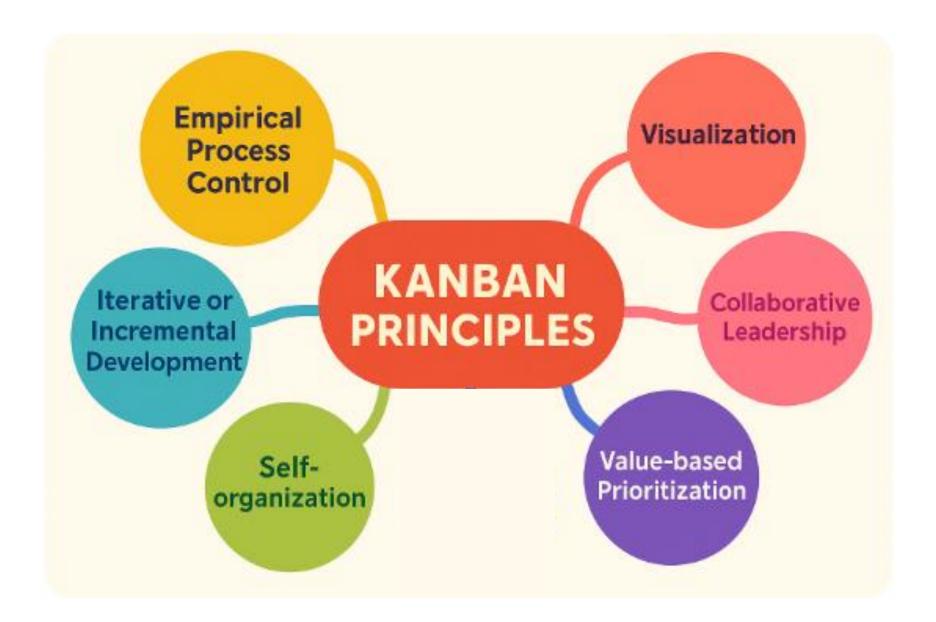
#### **Visualization**

- Work is made visible through Kanban boards and cards
- Everyone see progress, spot bottlenecks, and maintain transparency



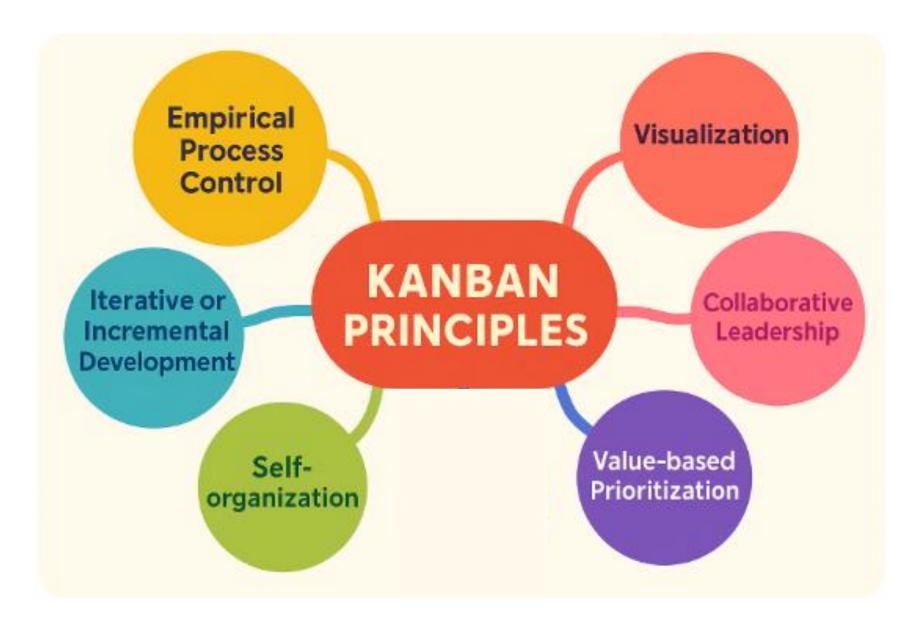


Core guidelines for applying the Kanban framework





Core guidelines for applying the Kanban framework



Understanding the basics of Kanban Principles is sufficient for this webinar.

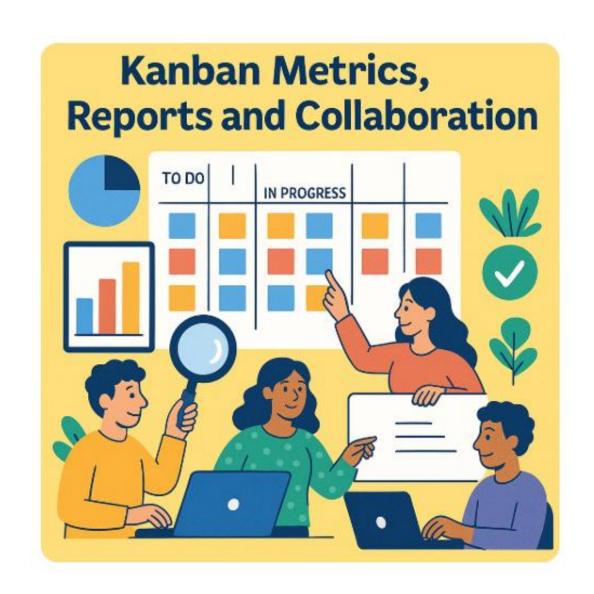
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  - Why use the KBOK™ Guide?
  - Kanban Principles
  - Kanban Metrics and Reports

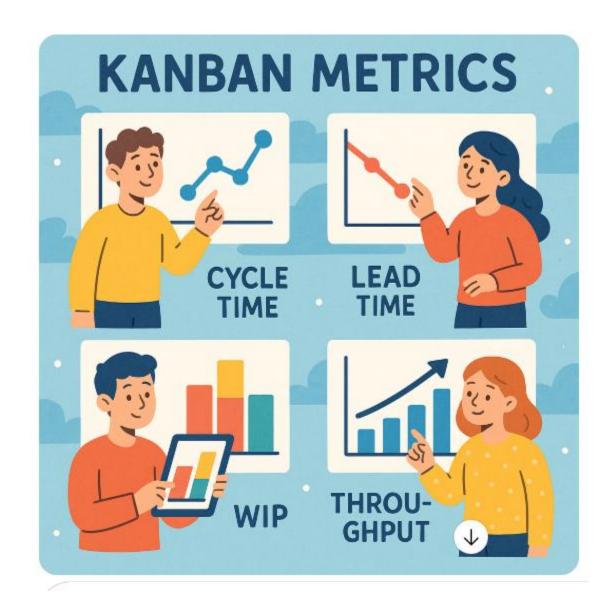


- Kanban Processes
- Next Steps
- All ready for the KEC<sup>TM</sup> Certification!





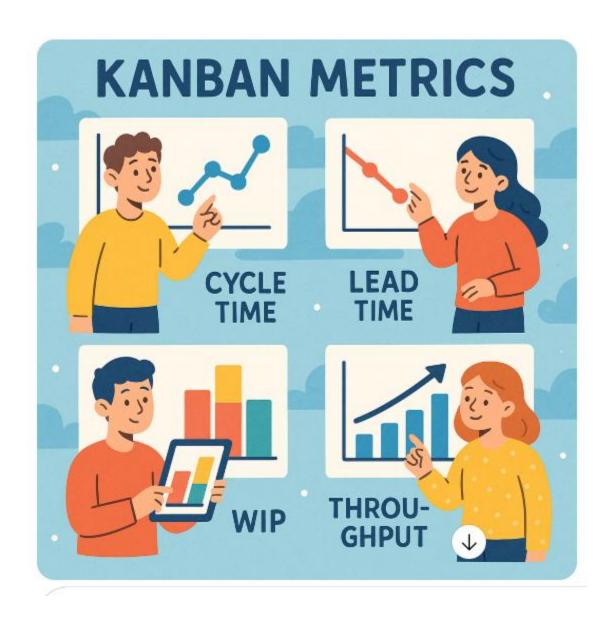
- Metrics quantifiable measures used to track, assess, and evaluate performance, progress, or outcomes over time.
- Kanban Metrics
  - Help track workflow efficiency
  - Enable creation of Reports
  - Provide data to measure progress
  - Support and sustain continuous improvement





 Metrics - quantifiable measures used to track, assess, and evaluate performance, progress, or outcomes over time.

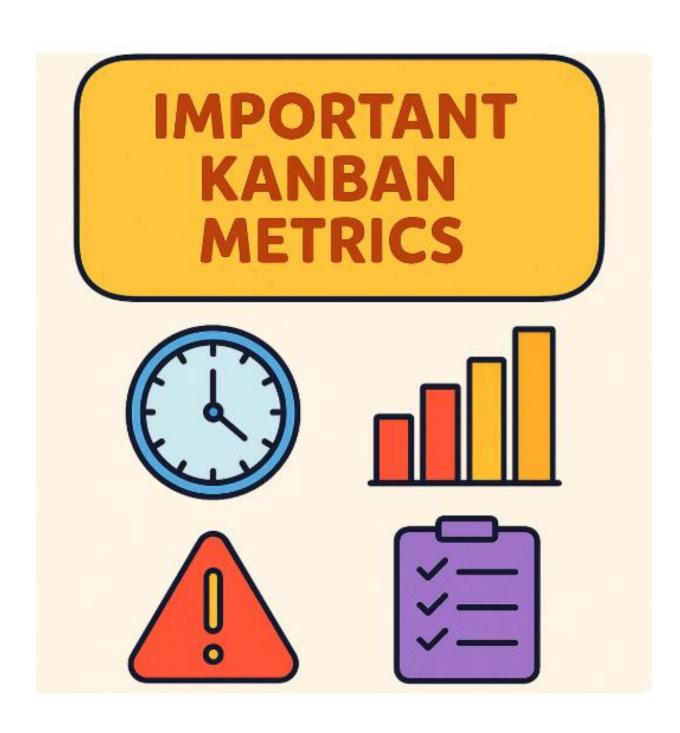
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### 5 important Kanban Metrics

- Lead time
- Cycle time
- Throughput
- Work In Progress(WIP)
- Cumulative Flow Diagrams (CFDs).



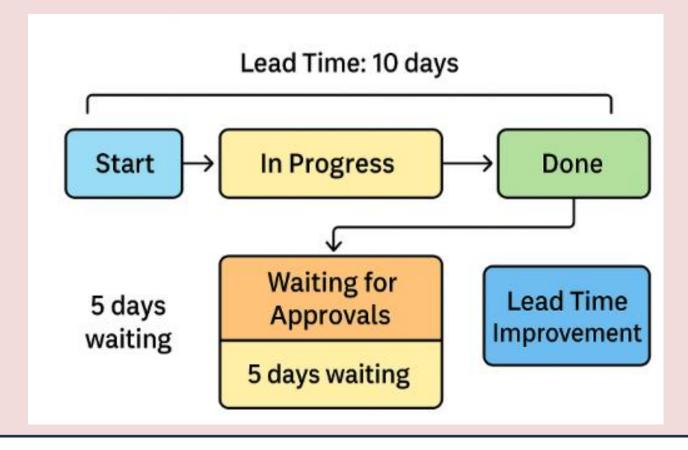


#### **Lead Time**

- Measures the total time taken for a task from the initial request to final completion in the workflow, including any waiting time before work begins.
- Helps teams forecast delivery dates, optimize workflow efficiency, reduce delays, improve predictability, and enhance customer satisfaction.

### **Example (Customer Support)**

If the Lead Time for customer support tickets is 10 days, but analysis shows 5 days spent waiting for approvals, the team can introduce faster approval processes or automate escalations, reducing waiting time and improving overall workflow efficiency.



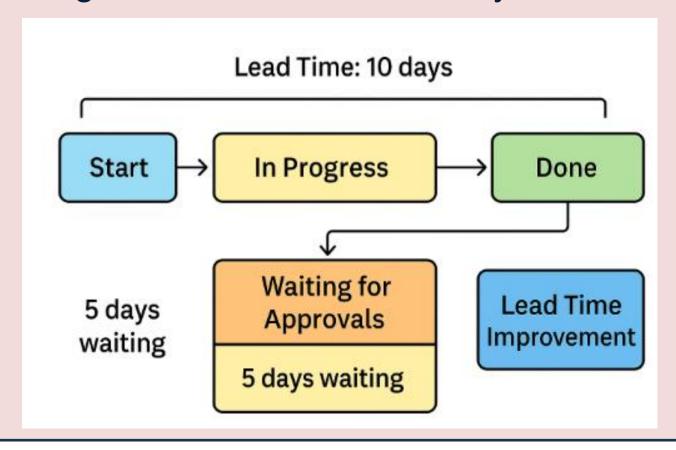


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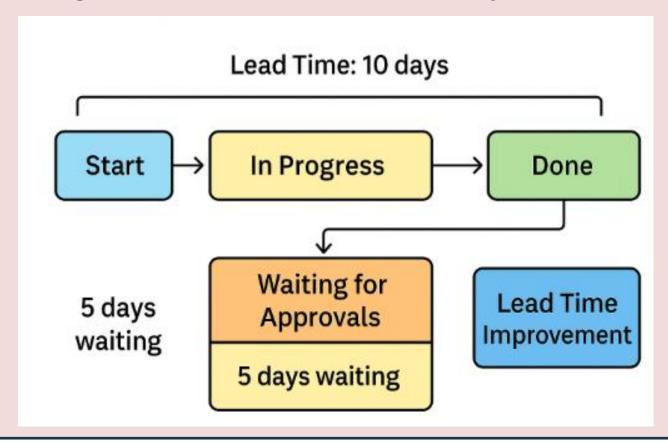


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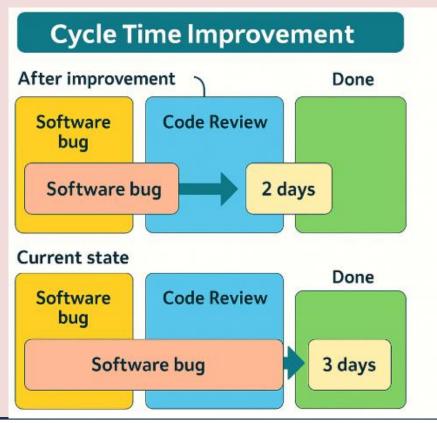


# **Kanbanstudy**

### **Cycle Time**

- Measures the duration a work item takes to complete, from the moment work begins until it is finished.
- Unlike Lead Time, Cycle Time excludes the initial waiting time before the task starts
- Cycle time identifies bottlenecks, enhances predictability, and ensures faster, reliable product delivery.

#### **Example (IT Bug Tracking)**

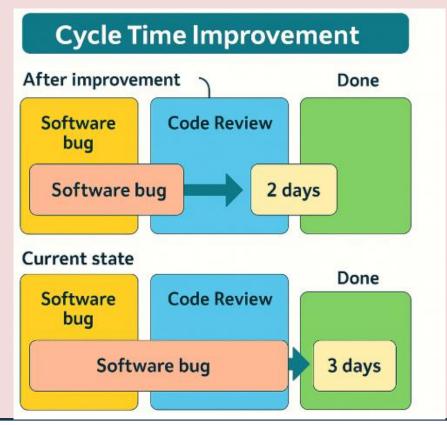


# **Kanbanstudy**

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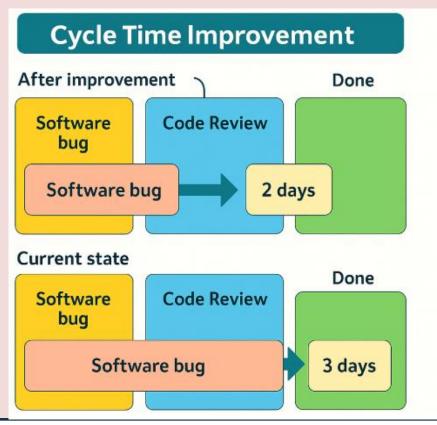


# **Kanbanstudy**

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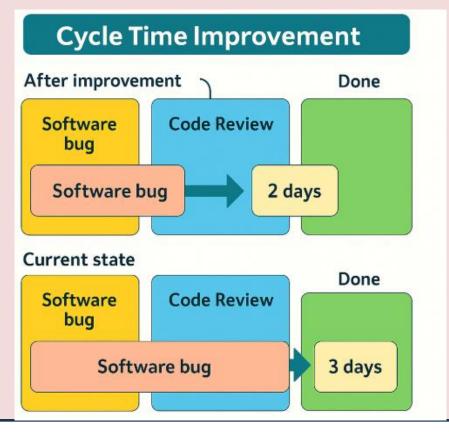


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#### **Example (IT Bug Tracking)**





### **Throughput**

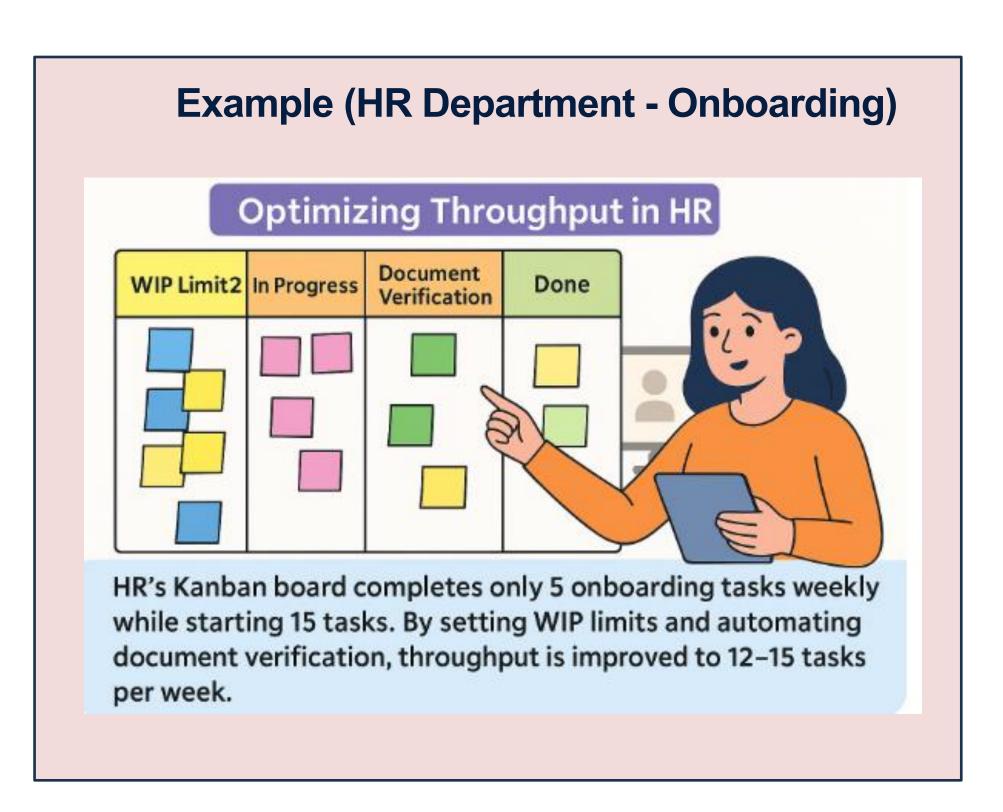
- Measures the number of work items completed in a specific time period.
- Throughput helps measure team productivity, track workflow performance, optimize processes, and ensure consistent delivery outcomes efficiently.

# **Example (HR Department - Onboarding)** Optimizing Throughput in HR Document WIP Limit 2 In Progress Done Verification HR's Kanban board completes only 5 onboarding tasks weekly while starting 15 tasks. By setting WIP limits and automating document verification, throughput is improved to 12-15 tasks per week.



### **Throughput**

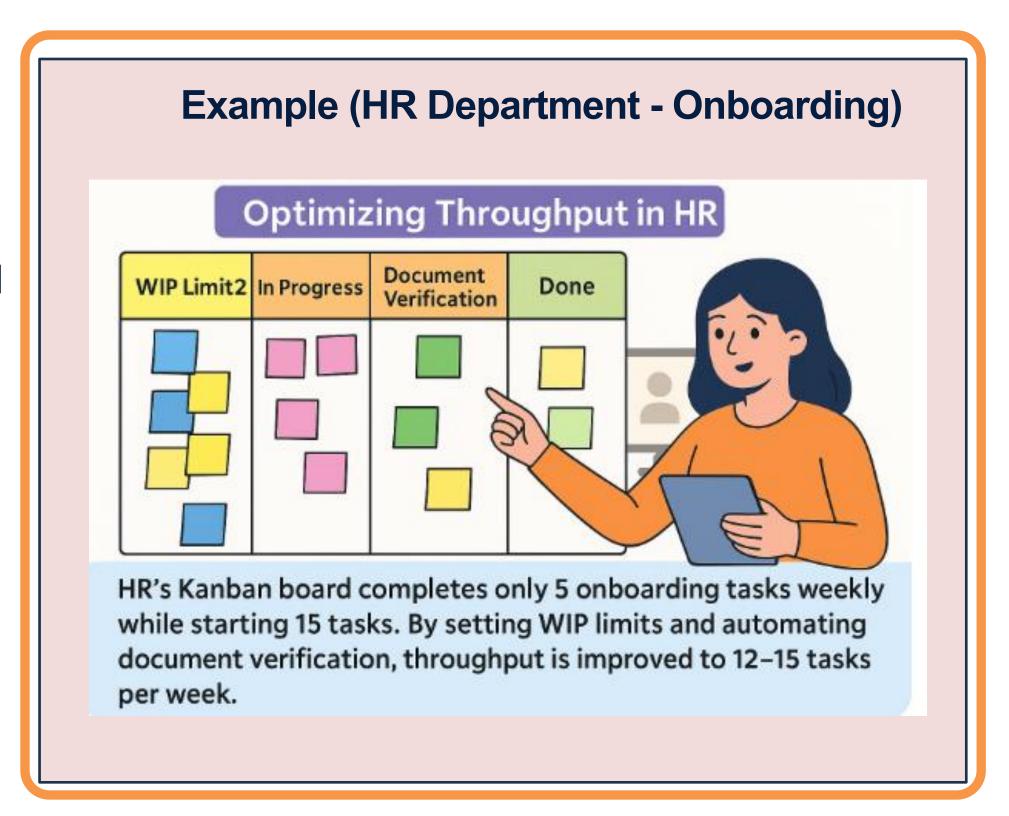
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### **Throughput**

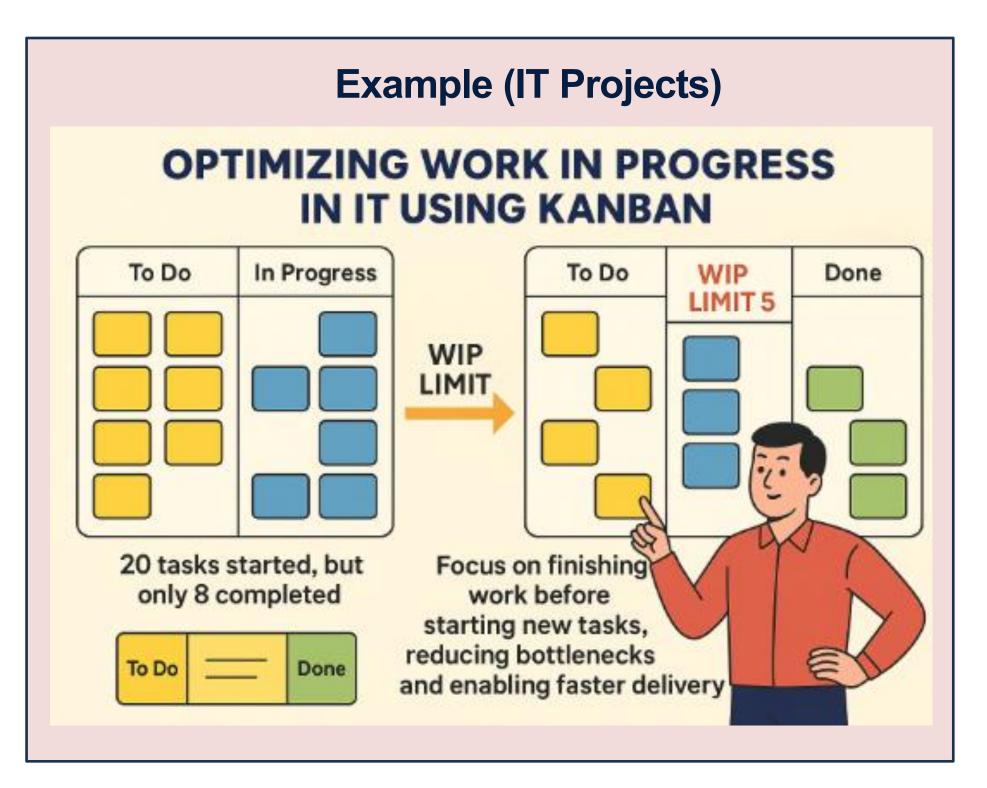
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### Work in Progress(WIP)

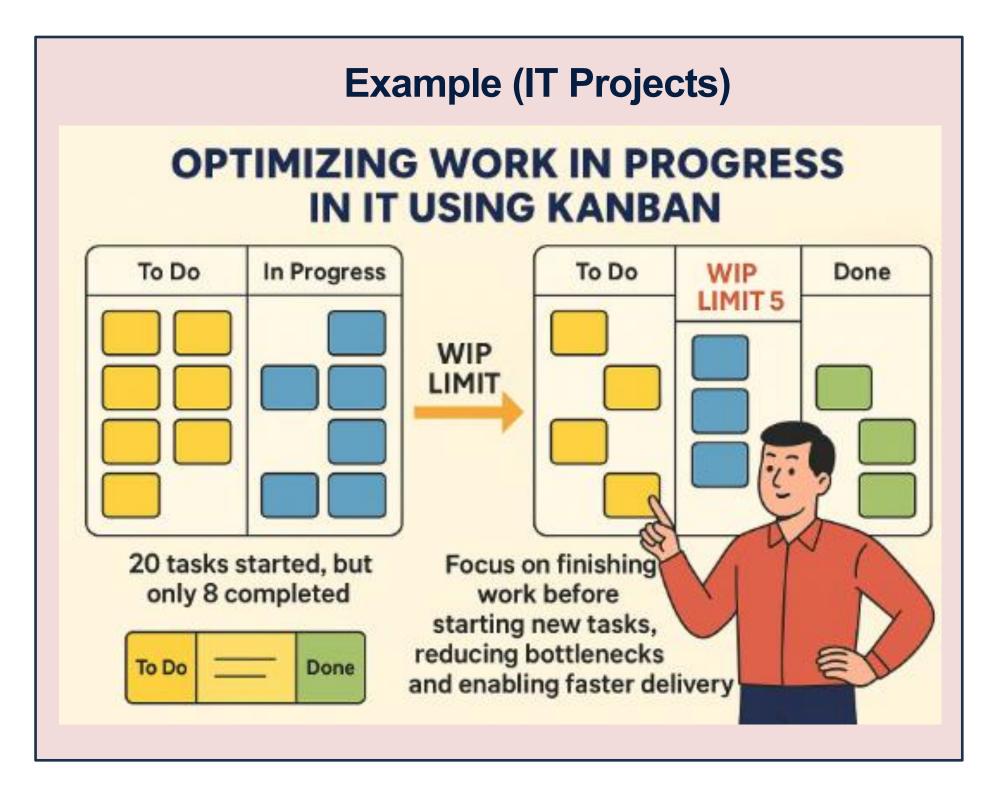
- Tracks the number of tasks currently being worked on.
- Helps prevent overload, improve focus, enhance workflow efficiency, and ensure steady, predictable task completion rates.





### Work in Progress(WIP)

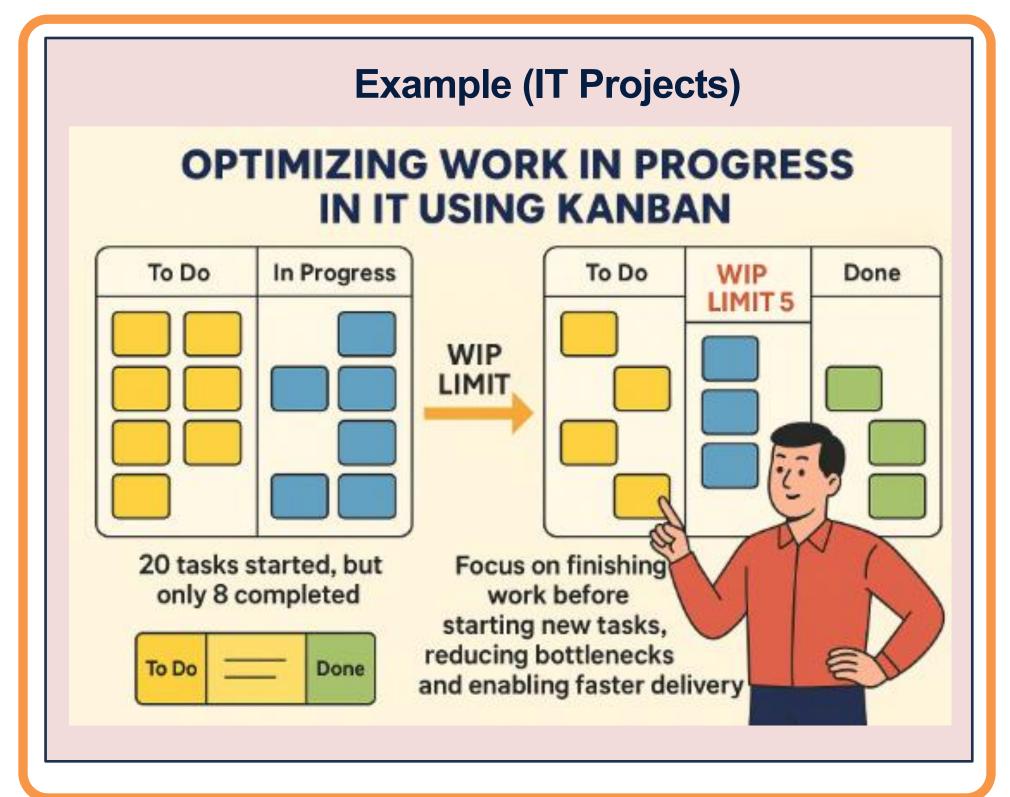
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- Helps prevent overload, improve focus, enhance workflow efficiency, and ensure steady, predictable task completion rates.





### **Cumulative Flow Diagrams (CFDs)**

- Visualizes work status over time, showing task distribution across workflow stages to identify bottlenecks and trends.
- Helps visualize workflow stability, identify bottlenecks, track progress, and improve process predictability over time.

### **Example (Finance Department)**

In a Finance Reimbursement Management Workflow, a Cumulative Flow Diagram can reveal increasing tasks in the "Verification" stage. This signals a bottleneck, prompting managers to allocate more reviewers or automate checks, ensuring smoother task flow, faster reimbursements, and improved overall process efficiency.





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# **Kanbanstudy**

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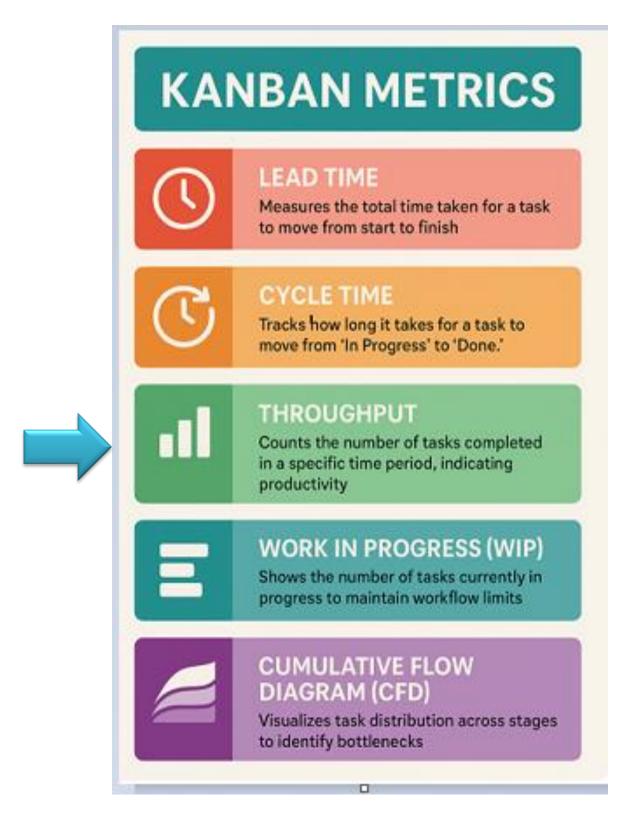




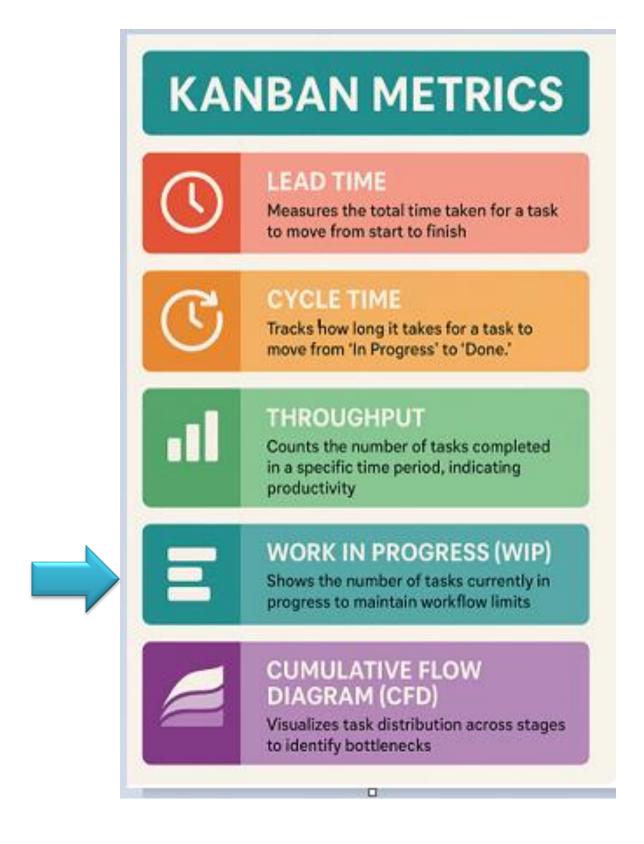






















# 2.e Kanban Reports



	Kanban Report	What It Measures	Purpose
	Cumulative Flow	Work items in different stages	Track workflow stability &
	Diagram (CFD)	over time	identify bottlenecks
	Lead Time Report	Total time from request to delivery	Estimate delivery timelines
	Cycle Time Report	Time taken to finish work after	Monitor task completion speed and reduce delays
	Throughput	Number of tasks completed in	Identify capacity and supports
	Report	a period	workload planning
	Work-In-Progress (WIP) Report	Active tasks vs. set WIP limits	Improve focus, Control
			multitasking and overload
	Flow Efficiency Report	Active work time vs. waiting time in a workflow	Reduces idle time and increases overall workflow effectiveness

Kanban Reports are typically used to present and track the Kanban Metrics that we discussed earlier.





	Kanban Report	What It Measures	Purpose
	<b>Cumulative Flow</b>	Work items in different stages	Track workflow stability &
	Diagram (CFD)	over time	identify bottlenecks
	Lead Time Report	Total time from request to	Estimate delivery timelines
		delivery	,
	Cycle Time Report	Time taken to finish work after	Monitor task completion
	Cycle Time Report	starting	speed and reduce delays
	Throughput	Number of tasks completed in	Identify capacity and supports
	Report	a period	workload planning
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	<b>Cumulative Flow</b>	Work items in different stages	Track workflow stability &
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	Cumulative Flow Diagram (CFD)  Lead Time Report  Cycle Time Report  Throughput Report  Work-In-Progress	Cumulative Flow Diagram (CFD)  Work items in different stages over time  Total time from request to delivery  Time taken to finish work after starting  Number of tasks completed in a period  Work-In-Progress (WIP) Report  Active tasks vs. set WIP limits  Flow Efficiency  Active work time vs. waiting



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### 2.e Kanban Reports (Review)





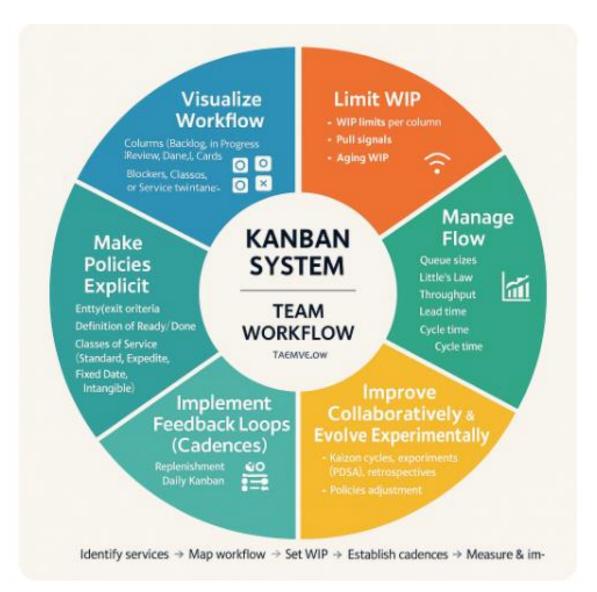
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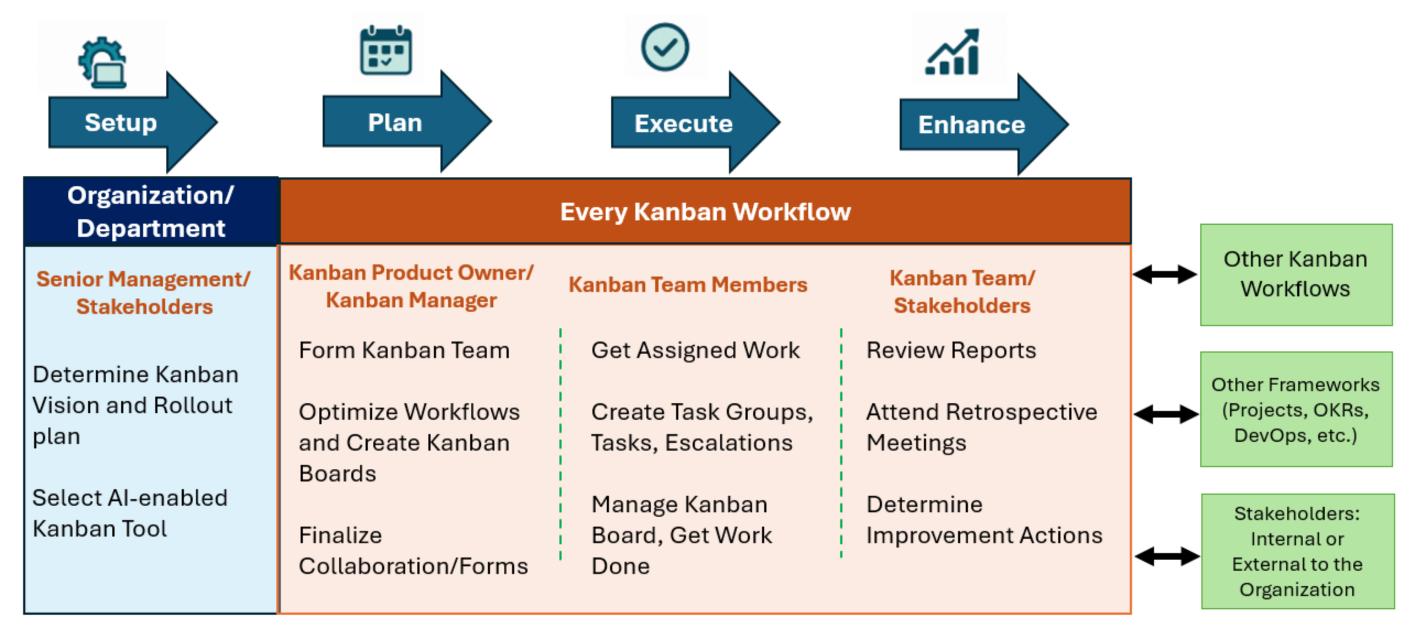
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### 2.f Kanban Processes





Kanban processes discussed in Kanban Overview earlier are sufficient for the KEC certification.

Advanced process concepts are discussed in detail in KBOK™ Guide Chapters 6, 7, 8, and 9, and may be relevant for advanced Kanbanstudy certifications.

### 10-minute Break



- 1. Webinar Format and Prerequisites
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  - d. Kanban Principles
  - e. Kanban Metrics and Reports 🕢
  - f. Kanban Processes

#### 10 minute Break



Optional – Please review Sections 2.c, 2.d, 2.e, and 2f in the Webinar Reference Document

After the break – 8 question Quiz about Why use the KBOK™ Guide, Kanban Principles, Kanban Metrics and Reports, and Kanban Processes

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 1 of 8)



#### **Quiz Question**

Which of the following is **NOT** one of the six Kanban principles?

#### Options:

- a) Empirical Process Control
- b) Risk-based Planning
- c) Iterative or Incremental Development
- d) Self-organization

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 1 of 8)



#### **Quiz Question**

Which of the following is NOT one of the six Kanban principles?

#### Options:

- a) Empirical Process Control
- b) Risk-based Planning
- c) Iterative or Incremental Development
- d) Self-organization

#### **Correct Answer**

b) Risk-based Planning

#### Justification

The six Kanban principles are:

- Empirical Process Control
- Iterative or Incremental Development
- Collaborative Leadership
- Value-based Prioritization
- Self-organization
- Visualization

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 2 of 8)



#### **Quiz Question**

What is the main purpose of Kanban principles in the Kanban framework?

#### Options:

- a) To define work item sizes
- b) To assign tasks to team members
- c) To design the team hierarchy
- d) To provide core guidelines for all Kanban workflows

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 2 of 8)



#### **Quiz Question**

What is the main purpose of Kanban principles in the Kanban framework?

#### Options:

- a) To define work item sizes
- b) To assign tasks to team members
- c) To design the team hierarchy
- d) To provide core guidelines for all Kanban workflows

#### **Correct Answer**

d) To provide core guidelines for all Kanban workflows

#### Justification

Kanban principles form the **foundation of the Kanban framework**. They act as **mandatory guidelines** to ensure all Kanban workflows follow a consistent, efficient, and value-driven approach. Other options like defining work sizes, assigning tasks, or designing hierarchies are not the core purpose of Kanban principles.

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 3 of 8)



#### **Quiz Question**

Which of the following is **NOT** a purpose of Kanban Metrics?

#### Options:

- a) Assign roles to team members
- b) Help track workflow efficiency
- c) Provide data to measure progress
- d) Support and sustain continuous improvement

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 3 of 8)



#### **Quiz Question**

Which of the following is NOT a purpose of Kanban Metrics?

#### Options:

- a) Assign roles to team members
- b) Help track workflow efficiency
- c) Provide data to measure progress
- d) Support and sustain continuous improvement

#### **Correct Answer**

a) Assign roles to team members

#### Justification

Kanban Metrics are designed to:

- Track workflow efficiency
- Enable creation of reports
- Provide data to measure progress
- Support and sustain continuous improvement

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 4 of 8)



#### **Quiz Question**

What does **Lead Time** measure in a Kanban workflow?

#### Options:

- a) Time spent actively working on a task only
- b) Number of tasks completed in a specific period
- c) Total time from initial request to final completion, including waiting time
- d) Time taken to move tasks between workflow stages only

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 4 of 8)



#### **Quiz Question**

What does **Lead Time** measure in a Kanban workflow?

#### Options:

- a) Time spent actively working on a task only
- b) Number of tasks completed in a specific period
- c) Total time from initial request to final completion, including waiting time
- d) Time taken to move tasks between workflow stages only

#### Correct Answer

c) Total time from initial request to final completion, including waiting time

#### Justification

Lead Time measures the **entire duration** from the moment a task is requested until it is fully completed, **including waiting time before work starts**. This helps teams understand the total delivery time for customer requests and improve predictability.

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 5 of 8)



#### **Quiz Question**

What does **Throughput** measure in a Kanban workflow?

#### Options:

- a) Number of work items completed in a specific time period
- b) Total time taken for a task from request to delivery
- c) Amount of work waiting before starting
- d) Number of tasks delayed due to blockers

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 5 of 8)



#### **Quiz Question**

What does Throughput measure in a Kanban workflow?

#### Options:

- a) Number of work items completed in a specific time period
- b) Total time taken for a task from request to delivery
- c) Amount of work waiting before starting
- d) Number of tasks delayed due to blockers

#### **Correct Answer**

a) Number of work items completed in a specific time period

#### Justification

Throughput measures how many tasks are finished during a defined time period. It is a key productivity metric in Kanban, helping teams assess their delivery rate and capacity planning over time.

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 6 of 8)



#### **Quiz Question**

What is the main benefit of tracking Work in Progress (WIP) in Kanban workflows?

#### Options:

- a) To measure total delivery time for all tasks
- b) To assign roles and responsibilities to team members
- c) To calculate the number of completed tasks per week
- d) To prevent overload, improve focus, and enhance workflow efficiency

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 6 of 8)



#### **Quiz Question**

What is the main benefit of tracking Work in Progress (WIP) in Kanban workflows?

#### Options:

- a) To measure total delivery time for all tasks
- b) To assign roles and responsibilities to team members
- c) To calculate the number of completed tasks per week
- d) To prevent overload, improve focus, and enhance workflow efficiency

#### Correct Answer

d) To prevent overload, improve focus, and enhance workflow efficiency

#### Justification

Tracking WIP helps teams **limit the number of ongoing tasks**, avoid **overburdening team members**, **maintain focus**, and ensure a **steady and predictable task completion rate**. It directly supports workflow stability and efficiency, which makes option **d** correct.

# 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ques 7 of 8)



#### **Quiz Question**

What is the main purpose of Cumulative Flow Diagrams (CFDs) in Kanban workflows?

#### Options:

- a) To assign work to individual team members
- b) To visualize work status over time and identify bottlenecks
- c) To measure total delivery time for each task
- d) To limit the number of tasks in progress

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 7 of 8)



#### **Quiz Question**

What is the main purpose of Cumulative Flow Diagrams (CFDs) in Kanban workflows?

#### Options:

- a) To assign work to individual team members
- b) To visualize work status over time and identify bottlenecks
- c) To measure total delivery time for each task
- d) To limit the number of tasks in progress

#### **Correct Answer**

b) To visualize work status over time and identify bottlenecks

#### Justification

Cumulative Flow Diagrams (CFDs) show the distribution of tasks across different workflow stages over time. They help teams spot bottlenecks, analyze trends, and maintain steady workflow efficiency, which makes option **b** correct.





#### **Quiz Question**

How many phases does the **Kanban Framework** have, and what are they?

#### Options:

- a) Three phases: Plan, Execute, Review
- b) Five phases: Setup, Plan, Execute, Monitor, Enhance
- c) Four phases: Setup, Plan, Execute, Enhance
- d) Two phases: Plan and Execute

## 2.c,d,e, Why KBOK? Kanban Principles, Metrics, Reports, Processes (Ans 8 of 8)



#### **Quiz Question**

How many phases does the Kanban Framework have, and what are they?

#### Options:

- a) Three phases: Plan, Execute, Review
- b) Five phases: Setup, Plan, Execute, Monitor, Enhance
- c) Four phases: Setup, Plan, Execute, Enhance
- d) Two phases: Plan and Execute

#### **Correct Answer**

c) Four phases: Setup, Plan, Execute, Enhance

#### Justification

The Kanban Framework consists of four clearly defined phases:

- Setup: Establish the Kanban system.
- Plan: Organize work items and priorities.
- Execute: Perform tasks as per workflow.
- Enhance: Continuously improve processes.

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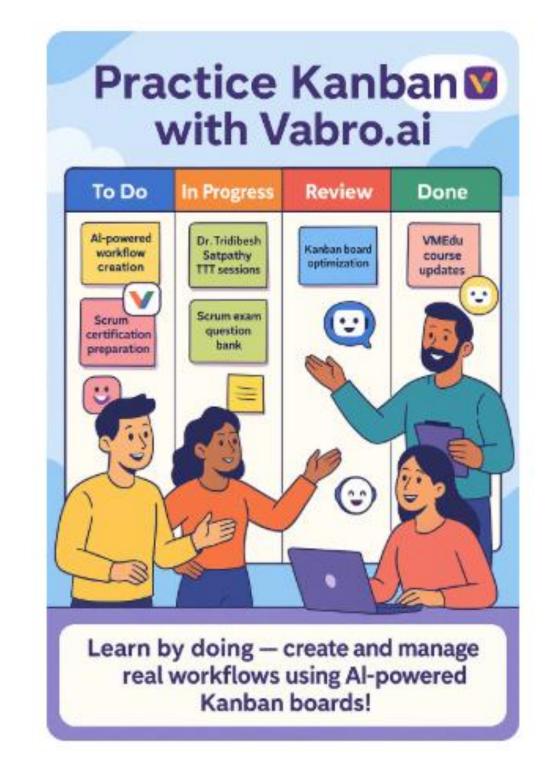


### 3. Next Steps

#### Recommended next steps are:

Understand how Kanban works in real-life scenarios using a high-end, Al-powered SaaS tool. Kanbanstudy facilitates this through a free certification program — Kanban with Al Certified (KAC™) — where you will create complete Kanban workflows using Al and practice on a leading Al-powered SaaS platform, Vabro.ai.

You will learn how to apply Kanban to significantly increase ROI and productivity across your workflows, projects, and operations.



### 3. Next Steps

#### Recommended next steps are:

2. As you become more familiar with using Kanban, you may wish to explore its nuances and deeper concepts to apply it more effectively.

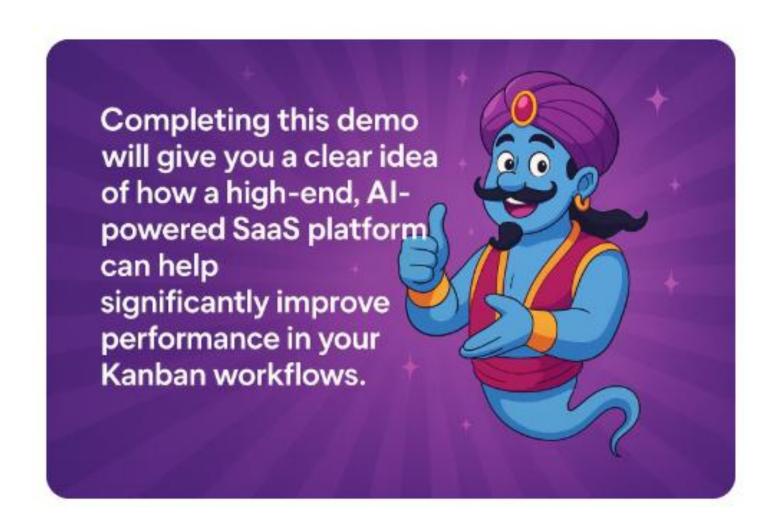
Consider pursuing advanced certifications and courses offered by Kanbanstudy, such as Kanban Professional with Al Certified (KPC™), Kanban Manager with Al Certified (KMC™), Kanban Product Owner with Al Certified (KPOC™), and more.

These programs will help you gain advanced knowledge and skill sets to apply Kanban with greater expertise and confidence.





- 1. Overview of Kanban Framework
- 2. Steps to prepare for the Vabro.ai demo
- 3. Setting up your Vabro.ai account
- 4. Using Al Template to Set Up an HR Workflow
- 5. Understanding the Kanban Board
- 6. Exploring Task Groups and Tasks
- 7. Collaborating using Al-powered Forms
- 8. Kanban in Action A Complete Process Walkthrough
- 9. 150+ Features Bigger and Better
- 10. Create entire process with your AI prompt





#### 1. Overview of Kanban Framework

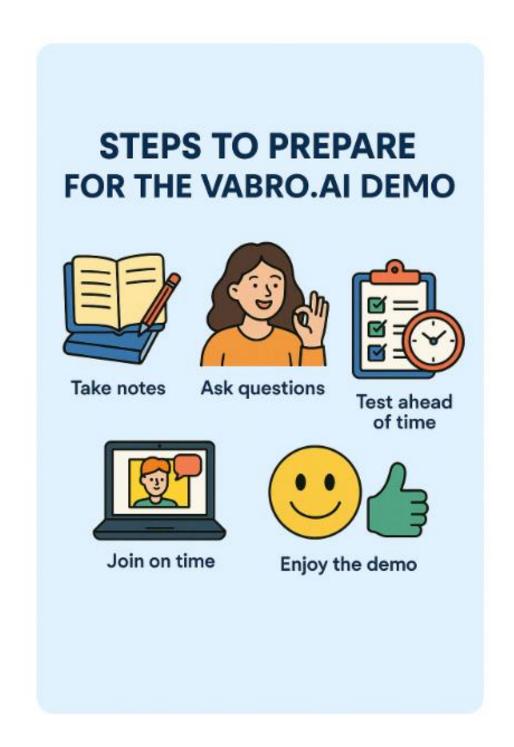
- Introduce the Kanban framework, explain its core principles,
- Highlight how Kanban helps in visualizing and improving workflows efficiently





#### 2. Steps to prepare for the Vabro.ai demo

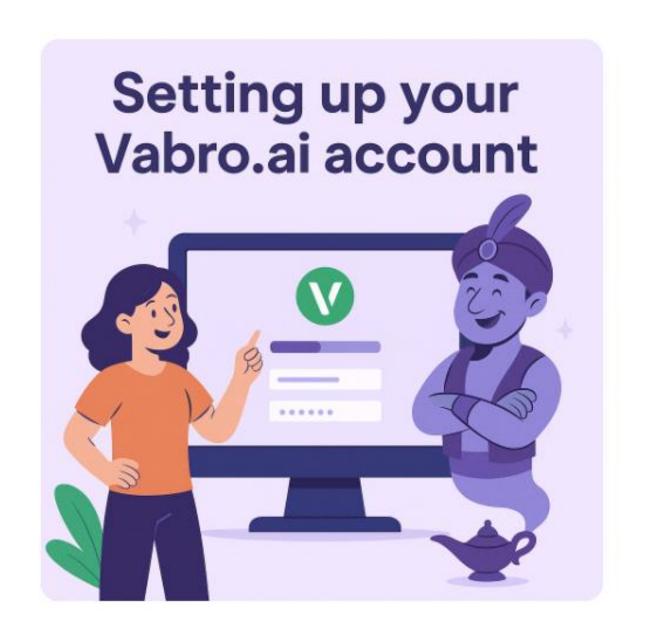
 Outline the simple steps you need to follow before starting the demo





#### 3. Setting up your Vabro.ai account

 Create and configure your Vabro.ai account so you are ready to explore its Alpowered features





#### 4. Using Al Template to Set Up an HR Workflow

 Learn how to use a pre-built AI template in Vabro.ai to quickly design and launch a Workflow





#### 5. Understanding the Kanban Board

 Learn the structure of the Kanban board, including its columns, visual elements, and how it organizes work effectively





#### 6. Exploring Task Groups and Tasks

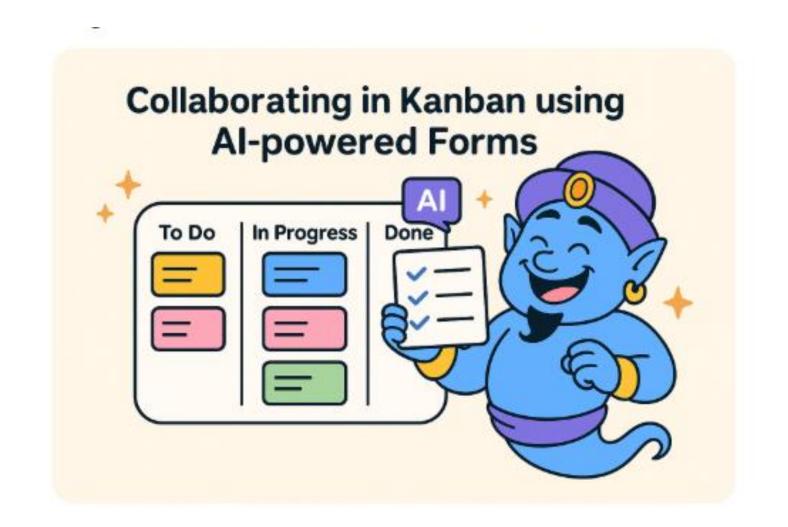
 Create and manage task groups and individual tasks to streamline processes and improve team productivity





#### 7. Collaborating using Al-powered Forms

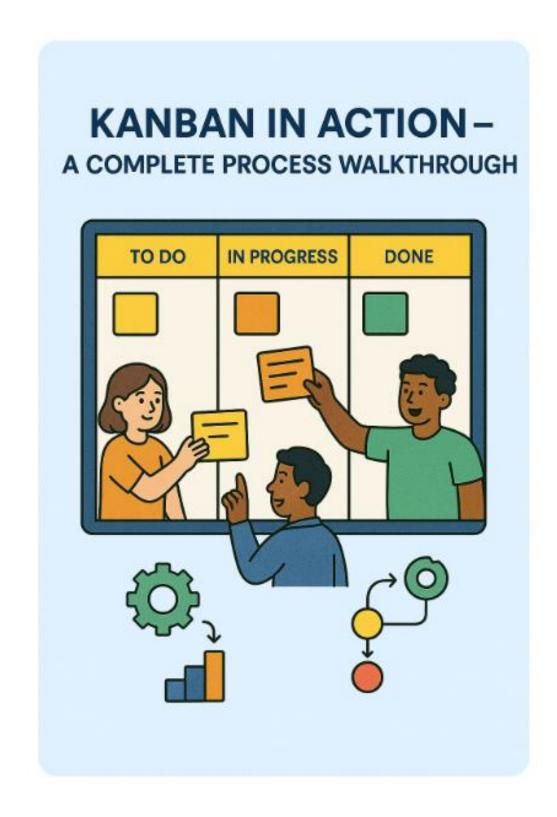
 Al-powered forms enable easy collaboration between team members and stakeholders in real-time





### 8. Kanban in Action – A Complete Process Walkthrough

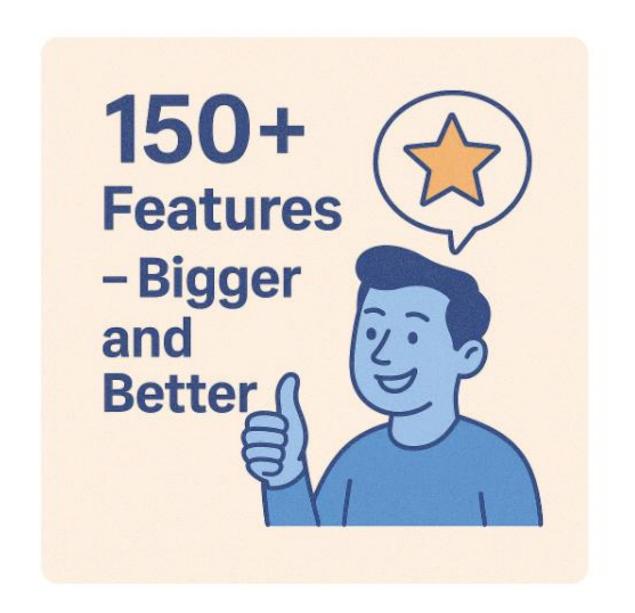
 full walkthrough of how Kanban works in a real-life scenario, from setting up tasks to completing workflows





### 9. 150+ Features – Bigger and Better

 Extensive set of over 150+ features that make Vabro.ai more powerful and versatile than traditional tools





#### 10. Create entire process with your Al prompt

- How simply providing an AI prompt allows Vabro Genie AI to create an entire process automatically
- This includes Kanban workflows, Kanban boards with all columns, sample tasks, forms for collaboration, Objectives and Key Results (OKRs) for the workflow, and more.



### Index



- 1. Webinar Format and Prerequisites
- 2. Understanding Kanban Concepts
  - a. Brief History of Kanban
  - b. Kanban Roles, Overview and Why use Kanban?
  - c. Why use the KBOK™ Guide?
  - d. Kanban Principles
  - e. Kanban Metrics and Reports
  - f. Kanban Processes
- 3. Next Steps
- 4. All ready for the KEC<sup>TM</sup> Certification!



## **Kanbanstudy**

#### Exam Format

- Multiple choice
- 40 questions per exam
- One mark awarded for every right answer
- No negative marks for wrong answers
- 30 questions need to be answered correctly to pass
- 60 minutes duration
- Online unproctored exam

For more details about this certification exam, please visit Kanbanstudy.com -> Certification -> Kanban Essentials Certified (KEC<sup>TM</sup>)

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All the best!

