



UTT

UNIVERSIDAD TECNOLÓGICA DE TIJUANA

GOBIERNO DE BAJA CALIFORNIA

TEMA:

Agile methodology selection

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Kanban

Core Principles of Kanban

1. **Visualize Workflow**
 - Use a Kanban board to represent tasks, their status, and flow.
 - Columns represent stages of the process (e.g., To Do, In Progress, Done).
 - Cards represent individual tasks or items of work.
2. **Limit Work in Progress (WIP)**
 - Set a maximum number of tasks allowed in each workflow stage.
 - Prevents overloading the team and encourages task completion.
3. **Focus on Flow**
 - Optimize how work moves through the process.
 - Identify and resolve bottlenecks to improve efficiency.
4. **Make Process Policies Explicit**
 - Clearly define rules for moving tasks between stages (e.g., "QA must approve before moving to Done").
5. **Continuous Improvement (Kaizen)**
 - Regularly analyze the workflow to identify areas for improvement.
 - Encourage team collaboration to refine processes and practices.

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Why Choose Kanban?

Kanban is an excellent choice for teams and organizations due to its flexibility, simplicity, and focus on efficiency. Here are the key reasons why Kanban is a good idea:

1. **Improved Visibility**
 - The visual nature of Kanban boards provides clarity on the status of tasks and highlights bottlenecks.
 - Helps all team members and stakeholders stay informed.
2. **Enhanced Efficiency**

- By limiting work-in-progress and optimizing flow, Kanban reduces idle time and multitasking.
- Encourages task completion and minimizes delays.
- 3. **Flexibility**
 - Kanban does not impose strict rules or timeframes, making it adaptable to various teams and projects.
 - It can be integrated into existing workflows with minimal disruption.
- 4. **Customer-Centric Focus**
 - Kanban emphasizes delivering value incrementally, ensuring that customers see results quickly.
 - Helps teams prioritize tasks based on customer needs.
- 5. **Continuous Improvement**
 - Regular feedback loops and retrospectives promote ongoing refinement of processes.
 - Teams can identify inefficiencies and implement solutions without overhauling the entire system.
- 6. **Scalability**
 - Kanban works well for teams of all sizes, from small startups to large enterprises.
 - It can also be scaled across departments or integrated with other Agile methodologies.
- 7. **Reduced Overload**
 - Work-in-progress limits ensure that team members are not overwhelmed with too many tasks at once.
 - This leads to better focus, higher quality output, and reduced burnout.
- 8. **Data-Driven Decisions**
 - Metrics like cycle time and throughput provide insights into team performance.
 - Enables informed decision-making and realistic planning.

By implementing Kanban, teams can achieve a more streamlined workflow, higher productivity, and a stronger focus on delivering value. Its adaptability and ease of use make it a compelling choice for a wide range of projects and industries.