*Version 2019-Spring-2.0 – Version 1.1*

Activity 2:

Kanban

We will learn about Kanban boards, Kanban cards, benefits of Kanban, and then try to differentiate between Scrum and Kanban methodologies.

## Content Learning Objectives

*After completing this activity, students should be able to:*

* Describe a Kanban board.
* List what constitutes a Kanban card.
* List the benefits of Kanban.
* Identify the differences between Scrum and Kanban Methodologies.

## Process Skill Goals

*During the activity, students should make progress toward:*

* Carefully reading a text for understanding. (Information Processing)

## Team Roles

*Record role assignments here.*

|  |  |
| --- | --- |
| Manager |  |
| Presenter |  |
| Recorder |  |
| Reflector |  |

# Model 1: Kanban

Find the answers to the questions below in [Kanban – A brief introduction | Atlassian](https://www.atlassian.com/agile/kanban).

## Questions (10 min)

1. What is Kanban?
2. What is a Kanban board?
3. List the three-step workflow required in Kanban.
4. List the benefits of Kanban.
5. Which benefit of Kanban is represented by following situations:
   1. The product owner is free to reprioritize work in the backlog without disrupting the team, because any changes outside the current work items don't impact the team.
   2. Teams employ basic best practices like code review and mentoring help to spread knowledge. Shared skills mean that team members can take on heterogeneous work.
   3. A key tenant of kanban is to limit the amount of work in progress (WIP). A low limit encourages the team to pay special attention to issues in the review state, and to review others work before raising their own code reviews. This ultimately reduces the overall cycle time.
   4. Charts provide a visual mechanism for teams to ensure they're continuing to improve. Two common reports kanban teams use are control charts and cumulative flow diagrams.
   5. The faster a team can deliver innovation to market, the more competitive their product will be in the marketplace.
6. Match the three-step workflows of Kanban with the lanes in Kanban.
7. Match the benefits of Kanban as listed in Step 4 for each of the following rounds of Kanban Game?
   1. Round 1
   2. Round 2
   3. Round 3

# Model 2: Scrum vs. Kanban

Find the answers to the questions below in [Kanban – A brief introduction | Atlassian](https://www.atlassian.com/agile/kanban). For a deeper perspective, refer to [3 Differences Between Scrum and Kanban You Need to Know](https://www.cprime.com/2015/02/3-differences-between-scrum-and-kanban-you-need-to-know/).

## Questions (15 min)

1. List similarities between Kanban and Scrum?
2. List differences between Kanban and Scrum.
3. With reference to Step1, which similar activities or rules did you perform in both Kanban and Scrum Games?
4. With reference to Step2, which different activities or rules did you have or follow in both Kanban and Scrum Games?
5. Which artifacts / tools of Kanban can be used in Scrum?
6. Which artifacts / tools of Kanban do you think were used in Scrum game, but with different terminology?
7. How do you think both Kanban and Scrum can be blended together, with respect to Software Development Process?