

ENGN 2125
Professor. Leventon
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3/12/2023

Writing Prompt 1

I think Producing 2D renderings of new product ideas could benefit the most from scrum/sprint because this function involves a high degree of uncertainty and creativity. In the early stages of product development, the team is still exploring different ideas, concepts, and designs. Therefore, a flexible approach is more suitable for this function.

This iterative process helps to refine the design and ensure that it meets the customer's needs and expectations. In the case of Mighty Jaxx, adopting Scrum allowed for regular meetings, including the daily stand-up, sprint review, and sprint retrospective, that fostered improved communication among team members, enabling them to gather and generate new ideas for their art toy designs, resulting in better collaboration and fewer misunderstandings. By dividing the work into smaller, more manageable chunks, the team can concentrate on providing a top-notch product within a shorter timeframe. Visual aids like the product backlog and sprint board further improve the design process and enable tracking of progress. The product backlog prioritizes the list of product features, while the sprint board shows the current status of each feature. This transparency and visibility can help the team to stay on track and identify any potential roadblocks or bottlenecks.

Kanban emphasizes visualizing and limiting work in progress and ensuring a continuous flow of work. While Kanban can be useful for managing workflows that have a steady and predictable flow of tasks, it may not be the best fit for the function of producing 2D renderings of new product ideas at Mighty Jaxx. The reason why Kanban may not be suitable for producing 2D renderings is due to the fact that it is a very creative and iterative process, involving several rounds of modifications until the final product is achieved. The application of Kanban could impede creativity by placing restrictions on work in progress and not accommodating the required flexibility and adaptability for this type of work.

Writing Prompt 2

I think implementing kanban methodologies could greatly benefit the Production function at Mighty Jaxx by reducing waste and improving efficiency. This is because kanban limits the amount of work in progress and prioritizes completing tasks before starting new ones. By using a kanban system, the production team can track inventory levels and monitor production progress in real-time, allowing them to quickly respond to changes in demand and optimize their production process. This is especially important in the manufacturing stage where ideas,

concepts, and designs remain unchanged. Furthermore, the implementation of kanban can help reduce waste and optimize resource usage, which is crucial in the production function.

Here is a sample of a kanban board that the team can utilize:

To do WIP=10	Design WIP=5	Approval WIP=3	Manufacturing WIP=2	Quality control WIP=3	Completed
Gather materials	3D models	Product design for internal review	Monitor production progress	Identify issues	
Prototype design	2D renderings				

Scrum/sprint is not the best fit for the production function because it is a repetitive process that involves a series of standardized tasks to manufacture a product. Production work typically follows a fixed set of steps and involves a high degree of predictability, Scrum/sprint is more effective for managing complex and unpredictable tasks that require continuous adaptation and collaboration, which is not the case in the production process.

Writing Prompt 3

Dear Jackson,

As you consider the move to agile in your organization, I want to draw your attention to the potential impact of availability bias on your decision-making. Availability bias is the tendency for people to rely too heavily on readily available information, people tend to use the ease of recall and retrievability of information rather than seeking out additional sources or considering other perspectives.

If you fall into the trap of availability bias, you may rely too heavily on your own experiences or the experiences of others who have tried agile methodologies in the past. This may cause you to overlook important information or fail to consider the unique needs and circumstances of your organization. To avoid this, try to seek out a variety of perspectives on the move to agile, including both successes and challenges from other organizations. Additionally, consider conducting a thorough analysis of your organization's strengths and weaknesses to determine the potential impact of agile methodologies on your specific circumstances.

Sincerely,
Haocheng Liao

