



# *ENGN 2125 Assignment 10*

Rhea He

## Writing 1:

Of these Mighty Jax business functions, using 3D renderings and drawings as input to producing molds for manufacturing functions would benefit the most from implementing Scrum/Sprint methodologies. The reasons are as follows.

The 3D renderings and drawings as input to producing molds for manufacturing can be complex and time-consuming, involving multiple stages of development, such as designing molds, prototyping, and testing.

The case highlights that Scrum/Sprint techniques, although easy to pick up on the surface, may be complex to grasp fully. The scrum may be used to manage the project so that everyone on the team knows what must be done. It may simplify the manufacturing process for Mighty Jaxx by helping to break down the steps involved. The case also highlights that 3D designers were often reluctant to take on tasks requiring communication and decisions outside their comfort zone. However, the team member's role in Scrum should be self-organizing and collectively have all skills needed to complete the product. That suits Scrum a lot.

Here's how Scrum/Sprint could operate for the Production function:

According to the case, backlog refers to the total number of tasks that must be completed. Everything on the backlog items remains unfinished. The 3D design team would begin by developing a backlog detailing all the required 3D models for production. Demand, complexity, and lead time for production would all be considered when prioritizing the backlog. The 3D design team would choose a few things from the Backlog at the start of each Sprint. Following this, they would estimate the time and effort needed to perform each of the next subtasks. The sprint teams would increase internal and external communications and assist Mighty Jaxx in meeting its growth and service quality objectives.

Mighty Jaxx can save time, enhance model quality, and boost customer satisfaction by using Scrum/Sprint processes in the 3D renderings and drawings used as input into making molds for manufacturing functions. Scrum/Sprint techniques give a more organized approach that is more suited for complicated 3D renderings. However, Kanban might be effective for controlling the process as well. Kanban is a visual method for workflow management that works well with processes that require many tiny, independent activities. Scrum/Sprint is a better match for the 3D renderings at Mighty Jaxx because of the increased complexity of the procedures involved.

## Writing 2:

Of these Mighty Jax business functions, the distribution function would benefit the most from implementing Kanban methodologies. The reasons are as follows.

The case states that they have a brand-new line of toys made with the average customer in mind. The more traditional distribution system is used for these numbers. Their greatest challenge is having to depend on other outsourcing companies for shipping and fulfillment. Distribution is the organization of the flow of designed, manufactured goods from the factory to the end users. Several procedures may be required, including packing, labeling, shipping, and tracking. Mighty Jaxx may benefit from Kanban techniques in the Distribution process since they assist in visualizing the workflow, making monitoring progress and identifying issues simpler.

Here's how Kanban could operate for the Distribution function:

To begin, the Distribution team would compile a list of all the orders that need to be completed into a Kanban Board. The distribution procedure would be laid out in columns across the board. It aids in visualizing the job being done and, therefore, readily identifying each step of the production or replenishment cycle. As an order progresses through the distribution process, the Distribution team moves each work item across the various columns on the Kanban Board. A Kanban Board would have a card or sticky note for each order. The client, the goods, and the delivery information would all be included in the work item.

To avoid bottlenecks, the Distribution team would designate a maximum amount of work that might be in progress in each column of the Kanban Board. A great control system that links the numerous steps in making a work of planned art. The Distribution group would keep tabs on KPIs like lead time and cycle time to look for places to save costs. They may track how long it takes from placing an order until it reaches its intended recipient.

The Distribution department may benefit greatly from the straightforward and visually appealing Kanban methods ideal for managing complicated operations. Work items on a Kanban Board conveniently represent many minors and independent tasks involved in the Distribution process. Conversely, Scrum/Sprint approaches work well for multi-team, highly collaborative product development processes. Mighty Jaxx's Distribution function entails simpler operations that lend themselves well to Kanban-style management.

### Writing 3

Dear Jackson,

I wanted to warn you about the Overconfidence bias when considering bringing agile to your company. The error of believing one's hype about one's own skills and forecasting prowess.

Overconfidence bias might lead you to ignore or discount the difficulties and threats of adopting agile methods.

To avoid this pitfall, I advise you to get other people's opinions and thoughts on the matter and consider all the potential consequences, even the worst ones.

Sincerely,

Rhea He