

# UI Debalers 2.0

## Instrumentation and Data Collection for Debaler Project Meeting minutes

**Location:** JML

**Date:** 10-21-2020

**Attendees:** Evan Allen, Nathan Stout, Benjamin Zimmerman, & Hope de Avila

**Time:** 3:00-4:00 p.m.

### • Meeting Agenda

- Discuss/Edit the Design Validation plan
- Discuss current design ideas and progress
- Prepare for client meeting set to take place 10/22/2020

### • Meeting Notes

- We went over the design validation plan and made sure it makes sense and works for our project
  - We edited some wording and made sure we were all satisfied with the document
- The team discussed the current progress with design tasks
  - Ben showed the group his CAD model for the frame of the hay elevator. It is coming together nice, and Nate has secured a hay elevator and it should be delivered soon.
  - Evan showed some of his research, control loop, and sensor for bale jamming
    - Evan will look into sensors for measuring material outfeed
  - Hope is thinking about using plywood and some 2x4's which would be super cheap and would mount to the top of the processing head and the rectangular tubing. Nathan will bring tools when she is going to try to work on this
- The team prepared for tomorrow's client meeting. Below are the topics that will be discussed.
  - The client meeting will take place in the ME conference room at 3:30 p.m. PST 10/22/2020
  - The team will go over current design ideas and progress with Dave and get feedback from the client.

- **Action Items In-Progress**

<b>Action Item</b>	<b>Personnel Responsible</b>	<b>Status</b>	<b>Deadline</b>
Design Validation Plan	All members DVP primary Author: Evan Allen	Completed	10-22-2020
Value Proposition	All Members	Not Started	10-29-2020
Control Algorithm Completion	Evan	In-Progress	10-28-2020
Conveyor Completion	Nathan and Ben	In-Progress	11-11-2020
Improvements to processing head Completion	Hope	In-Progress	11-4-2020

- **New Action Items**

<b>Action Item</b>	<b>Personnel Responsible</b>	<b>Status</b>	<b>Deadline</b>
Client Meeting Preparation	All Members	In-Progress	10-22-2020