

UI Debalers 2.0

Instrumentation and Data Collection for Debaler Project Meeting minutes

Location: JML

Date: 10-14-2020

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

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

• Meeting Agenda

- Discuss how Snapshot #1 went and rehash any questions/discussions that are pertinent to project progress
- Make plans for infeed conveyor, processing head modifications, and control system
- Talk about scheduling a potential client meeting
- Go over Design Validation Plan

• Meeting Notes

- Snapshot 1 Discussion
 - We all did well and the poster was awesome. We got compliments from Steve and were encouraged to continue with the pedal to the metal
- Discussed ideas for infeed conveyor, system improvements, and control loop
 - Nathan is looking into a potential lead on a hay elevator. If we can't find a free/cheap one, we will design a version of a hay elevator and put together an estimated cost/etc. (Try and be below \$500)
 - Improvements to the processing head also need to be planned out by next week. This includes adding the brush and extra paneling
 - Control Algorithm design needs to be started/completed in the next couple weeks according to schedule
 - The team assigned members to different parts of the project
- Currently looking into meeting with client Thursday at regular meeting time, 3:30-4:00p.m.

- We will discuss purchasing parts and current design ideas with the client
- The team discussed the requirements for the Design Validation Plan
 - The team must make some plans to test out our system and then report those results in this document when they are completed.

• **Action Items In-Progress**

Action Item	Personnel Responsible	Status	Deadline
Design Validation Plan	All members DVP primary Author: Evan Allen	In-Progress	10-22-2020

• **New Action Items**

Action Item	Personnel Responsible	Status	Deadline
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