

MEETING MINUTES 1/15/2018

Present:

- Emily Kliewer
- Jakob Hemphill
- Dr. Rezaie
- Ray

Next Snapshot 3/15

- will need to talk about Value Proposition
- How the capstone project is helpful for ME Student in general
 - ↳ learn the details
 - ↳ learn to work well together
 - ↳ Stepping Stone into bigger projects.

To Do → prepare presentation for Expo 4/26/2019 @ 12:20, we will be in the Pitman Center Gold room

To Do → more detail for the Wiki page → Emily and Jake

To Do → make design its own section in team binder → also add the pages of items we bought. We Also need list w/ specifications included

Current Status

We have → gravel, heating element, and 2 inline thermocouples (need to more clearly go through team)

TO DO: Find Fan info

Structure Ideas:

if you dump gravel next to plexiglass then there will be air pathways

Add planar features to distribute gas (b/c the gravel will create paths)

Re- Why not put hot in Vertical then there will be natural circulation

Ra → put the flow in horizontally

↳ need valve to go through desired pipe

Ideas for experimental data →

Spark fun pressure sensors

↳ uses Arduino and USB to measure pressure

idea → use 16 thermocouples to measure temperature

To Do → more specific engineering drawings ← Emily & Jake make designs w/ products to

- Include mechanical analysis (don't forget sheer stress) by next week.

8 Am thursday@ Moscow building Supply

Thought for next week- precision over accuracy?

Summary:

We have some parts but we need to make detailed drawings and calculations fast