

TEAM MINUTES - 9/30/20

Location: Zoom
Present: ALL
Time: 3:30-4:45
Writer: Jaden Cavender

Agenda Items

1. Discussed team time schedules for proper fabrication during next week. Also continued progress on Gantt chart duties.
2. Presented design ideas for the separation of sand using an ice cream swirling mechanism for inspiration. Discussed the use of centrifugal forces to slam sand particles to the wall of the washbox and use a metal augur to swirl clumped sand. Also focused on rudimentary force analyses and simulation of sand particles.
3. Reviewed all elutriation documents together as a team. Points of interest were: How sand volume is measured and it's effects on the falling rate of gravity, centrifugal acceleration may be able to reduce the sand separation stage into a single stage as cited in the text, 3d model for separating sand could be particularly useful if based on sand volume sizes.

Action Items	Owner(s)	Deadline	Status
Write minutes	Jaden		In progress
Draw new design for washbox	Ben	10/1	
Draw new design for washbox	Tobias	10/1	
Draw new design for washbox	Tayson	10/1	
Continue writing Gantt schedule	Blake	10/6	In progress
Research separation designs and brainstorm possible ideas.	Full Group	10/1	In progress

