

sdmay18-05: 3D Metal Printer

Week 1 Report

September 3 - September 9

Team MembersRachel Shannon — *Scribe and this week's report manager*Jett Ptacek — *Meeting Facilitator*Caleb Toney — *Time Keeper*Kevin Oran — *Engineering Lead*Ben Pieper — *Engineering Lead***Summary of Progress this Report**

Last Friday (9/1) our team met with our adviser/client, Dr. Bigelow, to discuss the scope of our project. Today (9/6) our team met to discuss team expectations and roles for assignment 1. We have decided that while we each have assigned roles, we also want to keep it fluid so that everyone has a chance to do something different. For example, we decided that the report manager should rotate every week. We also discussed what we expect towards the end of this semester for project goals. Lastly, we brainstormed ideas for our Elevator Pitch.

Pending Issues

Our pending issues are organizing engineering roles, working on the project design, research, and talking to Biorenewables to ask questions about their 3D metal printer.

Plans for Upcoming Reporting Period

We plan to have our engineering roles assigned, have a rough draft (or working draft) of our design (schematics, etc.), share any relevant research, completing our Elevator Pitch and having met with Biorenewables.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Rachel Shannon	Rachel distributed meeting notice & information to be discussed (project goals). Did individual research pertaining to laser systems.	5	5
Jett Ptacek	Jett established next meeting, discussed project goals, and individual research about commercial 3D metal printers and how they handle the movement of powder.	5	5
Caleb Toney	Caleb kept meeting on track, and helped discuss project goals. Did individual research about what type of sensors we may need.	5	5
Kevin Oran	Kevin discussed design aspects of project and	5	5

