

## Staff Meeting 1

September 5th, 2018

Meeting Time: 6pm-7pm

Where: EGR

Members Present: Abdulla, Ebrahim, Leah, Dominic

6pm

The team met up for the first time to introduce ourselves. The team then Defined roles that everyone would take on throughout the course of this next year. The roles are as follows:

6:15pm

Budget Liaison - Ebrahim

Document Manager/Secretary - Leah

Website Developer - Abdulla

Project Manager/Client Contact - Dominic

The team also discussed meeting times and places that would work with everyone's schedule. The times included every Monday from 1-2pm, Tuesday's from 2-4pm if needed, Wednesdays from 9-10 am in dire situations, and after 5:15pm if nothing else works.

6:30pm

The team discussed some ground rules for going forward in the semester such as stay on task during meetings, avoid distractions such as phones, other schoolwork, and people, be on time to pre-set meetings or let the group know if you will be running late, respect all teammates, be upfront about issues within the group such as if you are unable to get an assignment done within a given time period, and set early deadlines.

6:50pm

The team ended the first meeting by agreeing on a time for next week to finish up the Project Team Charter assignment before the due date. We will meet on Monday from 1-2 pm.

## Staff Meeting 2

October 8th, 2018

Meeting Time: 5:30pm-6pm

Where: DuB 11

Members Present: Abdulla, Ebrahim, Leah, Dominic

5:30pm

The team met during lecture time with Professor Oman to discuss the teams progress on the project and the analytical analysis that every group member was to complete individually.

The possible individual analyses were brainstormed during the staff meeting with oman.

Structure of pylon

Analysis of the pylon off to the side vs  
analysis of the pylon directly below the knee

Material

Manufacturing processes of pylon

Screw on the pylon

5:50pm

The team will brainstorm more possible analyses individually before the next meeting to discuss which team member will do what analysis.

## **Staff Meeting 3**

October 29th, 2018

Meeting Time: 6pm-6:30pm

Where: DuB 11

Members Present: Abdulla, Ebrahim, Leah, Dominic

6pm

The team had a staff meeting with the Advisor to discuss the prototype, cad package, and the individual technical analysis for each member.

The team brainstormed different materials for the possible prototype which included metal, wood, shoe laces, velcro, screw-lever adjustment for the pylon, PVC Pipe, fake foot,

6:15pm

The team had a rough idea of how to build the BiOM Prosthesis adapter prototype out of PVC pipe for the pylon pylon (2 different sizes), PVC Pipe (large elbow) for leg support w cushion if needed, and hinges.

6:30pm

The scope of the overall project was discussed with the advisor and it was determined that the scope of the project was much too constrained to be considered a senior design project. The client was to be contacted after the meeting to discuss new ideas for the project that would involve more concept designs.

The next meeting is scheduled for Wednesday at 1pm in the Biomechatronics Lab.

## Staff Meeting 4

November 5th, 2018

Meeting Time: 1pm-2pm

Where: Engineering 102

Members Present: Abdulla, Ebrahim, Leah, Dominic, Sarah Oman, Zach Lerner

1pm

The goal of this meeting is touch base with the client, advisor, and team. This is to ensure everyone is on the same page and the scope of the project is accurate. If the scope of the project is not accurate, the scope of the project will be changed. Dr. Zach Lerner discussed the importance of the project to him and Kissa.

1:05pm

The scope of the project was discussed. Dr. Lerner understands that the mechanical aspect of this project is simple. The team talked about how they understood the project. Dr. Lerner talked about elegant usable solution for the project. Possible to use in research, analysis, use proper materials within budget, must be of high quality for a simple project. Something to make the client in 'awh'. Zach does not want to advance the project, he wants the project to be a simple attachment. He suggested ways to make the project more advanced would be a quick attachment to the BiOM, and height adjustable.

1:10pm

Collect data using the BiOM prosthesis with the adapter near the end of the project. Zach wants to walk with the BiOM and put it to work with the team by the end of the project. The scope of the project will stay the same.

1:20pm

Professor Oman discussed what next semester would look like and the team should set earlier deadlines so Kissa and Dr. Lerner could approve the device before BiOM testing. The client would like to have a knee joint that has a spring so it can accurately replicate the biomechanics for the standing phase. A couple ideas included having a hinge between the top and bottom parts of the leg support with a spring from the leg to the pylon to represent the damping from the knee. The segment of the project must not exceed the mass of a human leg.

1:35pm

The team talked to Professor Oman and clarified some things on the project like the technical analysis, how the team should account for drastic changes, and to set earlier deadlines for the next semester. Talk about original customer requirements and current customer requirements. The report should document the entire project from start to finish and document every change within the project.

1:45pm

The next meeting is scheduled for Friday November 9th at 1pm. The team will keep working on the technical analysis and discuss progress Friday with new concept brainstorming for next week.