Weekly Report Template

Date: 9/23/13

Project Name: Transradial Prosthetic Arm\*

Group Number: 15

Group Members: Kendall Gretsch, Henry Lather, Kranti Peddada

Current status of project: This past week we set the design specifications and reviewed them with Dr. Goldfarb, Dr. Wall, and Varleri Calhoun. We also started preliminary research on background, existing technology, and patents.

Current Design Specifications:

1. Target Population: Patient with 1/3 proximal forearm limb difference, ages 3 and up.
2. Total parts cost: Maximum $150
3. Weight: No more than weight of missing limb
4. Take on and off independently in 20-30 seconds
5. Does not come off unless intentionally removed
6. Does not cause pain to user
7. Manufacturing and Assembly Time: hours rather than days
8. Independent thumb movement
9. Fingers and thumb close and open at mouth, belt, and in front
10. Fingers and thumb have 2 joints each with 1 degree of freedom
11. Individual locking fingers
12. 1 degree of freedom wrist motion

Work planned for next week: We plan to continue literature and patent search on background and existing technology. We will also start work on the preliminary written report and presentation. We will create a preliminary design schedule and define group responsibilities.

Anything needed from client or TA or instructor to continue work: We would like Professor Klaesner to review our design specifications to see if they are appropriate or need revision.

\*Project name was changed to better encompass the scope of our project