Weekly Report Template

Date: 9/16/2013

Project Name: Prosthetic Arm for Children

Group Number: 15

Group Members: Kendall Gretsch, Henry Lather, Kranti Peddada

Current status of project: On Tuesday, 9/10/13, we visited Shriners Hospital for Children. We spoke with families of infants born with congenital upper extremity defects. This affirmed the need for a more useful and cost-effective prosthetic for patients with non-functional wrist/missing lower forearm. We also met Valerie Calhoun, an occupational therapist, and Maggie Ware-Smith, a certified Prosthetist Orthotist, who offered to advise us and answer questions on our device design during the semester. A lower arm prosthetic with a hook and shoulder mechanism from the hospital was lent to us as well. Afterwards, we 3D-printed parts of the Robo-Hand, a recently designed prosthetic hand out on the market.

Work planned for next week: We will each conduct literature and patent searches on upper extremity prosthetics and learn more about existing solutions. We also will create a schedule/timeline for the semester.

Anything needed from client or TA or instructor to continue work: Nothing is needed at this point.