Weekly Report 2

Date: 9/17/12

Project Name: Rawlings Football Helmet Accelerometer System

Group Number: 17

Group Members: Seth Bensussen, Amanda Pavlicek, Naomi Ebstein

Current status of project:

We are in the research phase of our project. We are using a variety of sources to gather information on the center of gravity of the head along with articles regarding the current HITS accelerometer system to find the best position for the accelerometer in the helmet.

Work completed in the last week:

In the past week, we met with Marc Schmidt from Rawlings to discuss the details of the project and their expectations. We also wrote up our project scope outlining what we plan to do this semester. This includes finding a good position for the accelerometer in the helmet, testing the safety and performance of the helmet with the accelerometer, and then finding a way to normalize the accelerometer values to match those of the center of gravity of the head. In addition, we’ve been doing research about the center of gravity of the head, the effects of impacts to the head, accelerometers, and the HITS accelerometer system currently used in Riddell football helmets.

Work planned for next week:

We plan on continuing our research on background information in order to determine the best placement of the accelerometer in the football helmet and to prepare for our first paper. We also plan to contact professors at Washington University who have had some research lab work on this problem as well.

Anything needed from client or TA or instructor to continue work:

N/A