Weekly Report Template

Date: 11/12/2012

Project Name: Rawlings Football Helmet Accelerometer System

Group Number: 17

Group Members: Seth Bensussen, Naomi Ebstein, Amanda Pavlicek

Current status of project:

Our project is in its final phase. We are running tests and comparing data from the accelerometer to data from the NOCSAE headform to determine a normalizing algorithm for the accelerometer.

Work completed in the last week:

We are continuing to receive and analyze helmet-drop data with the accelerometer embedded between the rear and crown padding and covered with high-density foam. We are also continuing to research and determine different ways to normalize the accelerometer data to the center of gravity of the head.

Work planned for next week:

We asked Marc to perform one more test varying the thickness of the foam density. We hope to receive that data, analyze it and see if we can rule out that last design alternative. We hope to continue to receive data so we can run some statistical analysis before the final paper is due. We also need to compare the accelerometer and NOCSAE headform data in Matlab to start working on the normalizing algorithm now that we have a significant amount of data.

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

We will likely be calling Marc regarding a few questions in the next day.