Weekly Report Template

Date: 10/14/12

Project Name: Rawlings Football Helmet Accelerometer System

Group Number: 17

Group Members: Seth Bensussen, Naomi Ebstein, Amanda Pavlicek

Current status of project: Marc reviewed the three preliminary placements and accepted two of the placements for testing. For the other placement, it was determined that the accelerometer would not fit in the pad in which we wanted to place it. Our first option, where the accelerometer is not embedded in the padding, will be tested first because we believe that to be the most promising design. We also requested that testing be performed for different types of mountings, and different densities of padding. This will allow us to determine the best combination.

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Work completed in the last week: We reviewed the links to some stories and videos that Marc sent us involving some testing being done at Virginia Tech. We also looked at the Impulse NOCSAE drop test data that Marc sent us and continued our research on different positions for the accelerometer and algorithms for normalization.

Work planned for next week: Once the preliminary tests are complete, we will review the data and determine which location and mounting type provided the most accurate data. If necessary, we will download the software needed for the raw data. We also plan on continuing our research to find evidence supporting why our position is better. We will also start writing our paper.

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