

Weekly ReportEE491

Date: 2/01/2014

Group Number and Name	Dec 14-3
Client/Advisor	Des Moines Public Schools/Independent/Dr. Tyagi
Attendees/Role	Nathaniel Young, Ziji Guo, Sam Kelly, Latif Masud

Past week accomplishments

What was done, who did it, and when it was done

- ❖ Had meeting with mechanical engineering design team and found out more information about the project.
- ❖ Visited client in Des Moines. The visit revealed many key components of the project.
 - We found out that we are free to choose any platform (Windows, Android or iOS) that we want.
 - However, we were limited to using only off-the-shelf, already made parts that would be covered by a warranty by the company.
 - We found out level of control the client has over his body movements.
- ❖ Had meeting with Dr. Tyagi, who suggested the project may not be a viable senior design project since it requires very little engineering knowledge to reach the goal. After discussion with the team, we proposed a different project that was accepted by Dr. Tyagi and we will start work on it starting next week.

Plan for coming week

What to do, who, and when should it be done

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Since the initial project that was handed to us did not meet proper criteria for a Senior Design project, we are left to start a new project. Plan for the week is as follows:

- ❖ Assign new roles for the project. Roles may remain the same as the old project.
- ❖ Come up with project timeline and a detailed description.
- ❖ Bringup website
- ❖ Order parts for project.

Pending Issues

- ❖ Meeting as a team to discuss new project.
- ❖ Setting project timeline
- ❖ Beginning initial code development

Individual Contributions

- ❖ Ziji: found a cheap off-the-shelf eye tracking solution for the old project.
- ❖ Sam:
- ❖ Nathaniel: attended meeting in Des Moines. Was involved.
- ❖ Latif: proposed a mobile windows platform route to the project. Proposed using a cheap, portable windows PC in combination with software that helps people with client's condition.

Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulativ e</u>
Latif	9	13

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Nathanie l	7	11
Sam	3	7
Ziji	5	9

Comments and extended discussions:

After our discussion with Dr. Tyagi, we all agreed that the project did not have enough technical elements to be considered a senior design project. Latif proposed building a universal bluetooth speaker adapter, which is something that he had discussed last year with Dr. Philip Jones. After discussion with the group, a formal email proposal was sent to both Dr. Tyagi and Dr. Mina and the group received permission to change projects. The outline of the new project is also attached with this submission.