

# Weekly ReportEE491

Date: 2/01/2014

Group Number and Name	Dec 14-3
Client/Advisor	Dr. Tyagi
Attendees/Role	Nathaniel Young (Key Idea Holder), Ziji Guo (Webmaster), Sam Kelly (Communications Lead), Latif Masud (Project Lead)

## Past week accomplishments

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

- ❖ Latif: Project plan was completed with an initial timeline of the project.
- ❖ Ziji: Learned website tools and started research on finding a code repository.
- ❖ Sam and Nathaniel: did research work to compare two different controllers and found the best solution.

## Plan for coming week

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

- ❖ Everyone: refresh knowledge of Bluetooth connectivity and understand guidelines that we have to follow.
- ❖ Latif: find location for storing hardware on campus
- ❖ Nathaniel: create code repository for project.
- ❖ Ziji: Finish website bring-up
- ❖ Sam: create documentation template.

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## Pending Issues

- ❖ Creating code repository.
- ❖ Finishing website bring-up
- ❖ Starting initial code development

## Individual Contributions

- ❖ Ziji: Attended all meetings. Added input and learned Bluetooth standards.
- ❖ Sam and Nathaniel: suggested using a cheaper controller for the project that significantly cut costs for the project.
- ❖ Latif: Finished first draft of the project proposal.

## Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Latif	5	23
Nathaniel	5	21
Sam	5	17
Ziji	5	19

## Comments and extended discussions:

This week we finalized our controller choice for the project. We decided to go with a Texas Instruments PCM2704 controller over the Analog Devices ADAU1701. The Analog Devices controller had more functionality as it had four digital-to-analog converters, but also cost two dollars per unit more, and the development board was 50 dollars more. While the TI

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controller has only one DAC, we feel that will be enough to accomplish what we need to, while significantly saving on cost.