

# Senior Design: Weekly Progress Report

Team 3: Micheal Frith, David Larribas, Devin Moore, Benjamin Smith

## 1 GROUP TIME SYNOPSIS

**Current Group Leader:** Benjamin Smith

### 1.1 Team efforts and overall status

THE primary objective of the first week was to solidify our groups societal problem selection. Members of the group voiced concern about a topic we had chosen over the summer. The root concern was lack of interest in the hardware associated with the project idea. In deference to their concern and in consideration of the three other groups researching highway safety we, as a group, chose to switch to health and wellness. This topic has no shortage of peer reviewed sources and will yield opportunities for all group members to show their talents and interests. We have concretely settled on a topic, there will be no issue submitting the problem statement on time.

The other significant expenditure of work hours came from the setup of team document standards and collaborative tools. L<sup>A</sup>T<sub>E</sub>X templates were developed for weekly reports and an IEEE standard report with a title page as described in week twos lecture notes. These templates are maintained in a group Github repository which can be found here.

TABLE 1  
Weekly Team Meetings

Topic	Hours
Monday Morning Planning Session	3.0
Tuesday Lab: discussing the new topic	2.0
Friday: societal issue paper outline	5.0

### 1.2 Monday Morning Planning Session

We discussed an agenda for week two and assessed team member availability and bandwidth during the

week to come.

- Review of weeks assignment
- Review of lecture notes
- Debrief last weeks assignments
- Assign next weeks tasks

Some stuff thats going to happen Monday:

### 1.3 discussing the new topic

Given the gravity of choosing a 9-month long project we sat down as a group and spent some time to make sure we have an understanding of each others expectations. It broke down roughly on the CPE or EEE line. Computer engineers were looking for digital control and FPGA based designs. The electrical engineers were looking for power electronics design and electric control.

### 1.4 Friday: societal issue paper outline

We took a large amount of time to create a proper outline of the problem statement before the week-end. Forming the paper outline gave the group a chance to further synchronize their expectations of the project and what kind of solution we can offer. We began to research issues which effect Health and Wellness in modern society to provide the framework for our paper. The small amount of research gave the group direction and helped them be more efficacious over the weekend.

## 2 INDIVIDUAL ACTIVITY SYNOPSIS

### 2.1 Micheal Frith

*Synopsis of past week's work*

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TABLE 2

Micheal Frith: Tasks Assigned - Last Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

TABLE 3

Micheal Frith: Tasks Assigned - Next Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

### *Special Problems or other reporting*

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## 2.2 David Larribas

### *Synopsis of past week's work*

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TABLE 4

David Larribas: Tasks Assigned - Last Week

Task	Hours Worked	Status
Research and writing on health effects and benefits	12.0	100%
Group direction discussions	8.0	20%

TABLE 5

David Larribas: Tasks Assigned - Next Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

### *Special Problems or other reporting*

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## 2.3 Devin Moore

### *Synopsis of past week's work*

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### *Special Problems or other reporting*

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**TABLE 6**  
Devin Moore: Tasks Assigned - Last Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

**TABLE 7**  
Devin Moore: Tasks Assigned - Next Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

**TABLE 9**  
Ben Smith: Tasks Assigned - Next Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

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## 2.4 Ben Smith

### *Synopsis of past week's work*

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**TABLE 8**  
Ben Smith: Tasks Assigned - Last Week

Task	Hours Worked	Status
foo	2.0	20%
bar	2.0	20%

### *Special Problems or other reporting*

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