

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^AT_EX 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:

- Weekly report strategy
- Derppy - Derp

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 weekend. 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

This week I researched a new societal problem as we have scrapped the project we had chosen this summer. I contributed articles and research on physical activity and its effect on physical and mental health. I then researched possible solutions to our societal problem. This guided our group to our proposed solution of an electrically assisted bicycle.

I then aided in the creation of our elevator pitch.

I setup our group tools.

I worked on my weekly report.

TABLE 2
Micheal Frith: Tasks Assigned - Last Week

Task	Hours Worked	Status
Societal problem - readings and research	9.0	100%
Societal Problem - paper outline	2.0	100%
Project research and features	4.0	40%
Decide problem topic	5.0	100%
Setup workspace/collaborative tools	2.0	100%
I	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
foo	2.0	20%
bar	2.0	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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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%

Special Problems or other reporting

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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%

TABLE 9

Ben Smith: 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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