EE 491 Weekly Report   MAY15-23 Week 14 (12/1/14-12/7/14)

Advisors: Daji Qiao   **Client: Halil Ceylan**

Members (roles):   **Brandon Wachtel, Tyler Fish (Team Communicators)**

Mitch Balke (Team Leader)

Brandon Maier, Johnnie Weaver (Web Masters)

Trieu Nguyen, Christofer Sheafe (Key Concept Holders)

Project Title: Wireless Embedded Roadway Health Monitoring

Weekly Summary

Finished up initial prototypes, final version of the project plan, and final version of the design document. Started working on the PowerPoint for our final presentation. Redesigned and built the charging circuit. Continued working on talking between the microcontroller and the antenna.

Meeting notes:

Table of Contents start on right side
2 spaces after periods
Justified paragraphs
15-20 slides for presentation
HUB – Raspberry PI, USB port, possibility for more ports
Use single mode on oscillators for finding times for power consumption
Detailed schedule for next Friday
Make sure to understand the bigger picture of the project
What are our different options and why did we chose this solution
No 1st person tense in design document and project plan
Update parts list in the design document
Add more content to some of the sections
Image citation and caption for all images within the design document
Add decimals to sublevel numbers
Justify paragraphs
Increase Figure/Flowchart font size
Increase line thickness in flowchart
No more than 3 colors allowed for the presentation

10/24/14   Group Meeting with Advisers

Duration: *1 hour*   **Members Present:** *All*
Purpose and Goals:
 Presented our design document and project plan for review and approval before final submission. They gave us some minor suggestions for implementation before submission. Updated our advisers on the current status of the project. Notified advisers of our presentation date and time to allow them to come to it.

Pending issues

Testing and debugging our prototypes
Over winter break, we hope to do some minor testing

Plans for next week

Final presentation for semester 1 of senior design. We will present on Wednesday, December 10 at 1pm.

Individual Contributions (this week)

Johnnie Weaver: Attended group meeting (3.25hr), attended adviser meeting (1hr), updated website (0.75hr), helped solder charging circuit and chip orders (0.5hr), worked on design document and project plan (7hr), worked on presentation slides (2hr)

Brandon Wachtel: Attended group meeting (1.75hr), attended adviser meeting (1hr), worked on design document and project plan (4hr), worked on charging circuit (1hr), wrote weekly report (0.5hr)

Tyler Fish: Attended group meeting (3.25hr), attended adviser meeting (1hr), worked on design document and project plan (7hr), worked on presentation slides (2hr), wrote weekly report (0.5hr)

Mitch Balke: Attended group meeting (2.5hr), attended adviser meeting (1hr), RF transceiver configuration and transmission and reception modes (5hr), worked on SHT71 sensor code (0.5hr), worked on design document, project plan, and presentation slides (6hr)

Brandon Maier: Attended group meeting (2.75hr), attended adviser meeting (1hr), worked on RF code (2hr), worked on presentation slides and documents (8hr)

Trieu Nguyen: Attended group meeting (3.25hr), attended adviser meeting (1hr), worked on project plan and design document (5hr)

Christofer Sheafe: Attended group meeting (2.25hr), attended adviser meeting (1hr), moved test equipment to the antenna lab (0.75hr), market research of whip antennas (0.5hr)

Total weekly contributions (this week) for the project

Johnnie Weaver: 14.5 Hours
Brandon Wachtel: 8.25 Hours
Tyler Fish: 13.75 Hours
Mitch Balke: 15 Hours
Brandon Maier: 13.75 Hours
Trieu Nguyen: 9.25 Hours
Christofer Sheafe: 4.5 Hours

Total contributions for the project

Johnnie Weaver: 62 Hours
Brandon Wachtel: 64.25 Hours
Tyler Fish: 64.75 Hours
Mitch Balke: 62.5 Hours
Brandon Maier: 59 Hours
Trieu Nguyen: 51.25 Hours
Christofer Sheafe: 48.5 Hours