

EE/CprE/SE 492 Weekly Report 18 *MAY1622*

Date (2/23/16-2/29/16)

Advisors: Daji Qiao
Client: Halil Ceylan
Co-Advisor: Christofer Sheafe ()

Members (roles):

 Shen Fu (Team Leader)
 Matt Rose (Team Communication Leader)
 Qichen Yan (Team Webmaster)
 Darnell Melvin (Team Key Concept Holder)

Project Title: Wireless Embedded Roadway Health Monitoring Network

Meeting notes

Thursday 2/25

- Found projects on TI website to familiarize ourselves with coding process for MCU
- Submitted PCB layout for physical building

Monday 2/29

- How to deal with lingering moisture inside enclosure?
 - Vacuum?
- Epoxy battery to bottom of enclosure to keep it from rattling around
- Put dimensions on next enclosure design
- Start working on sensor communication
 - and networking among sensors to base station
 - and smartphone to base station
 - split up into teams

2/29/2016 Group Meeting with Advisers

Duration: 1 Hour

Members Present: *ALL*

Purpose and Goals:

We showed off our new design for the enclosure, and discussed the goals for next week: Daji would like us to have some form of communication as well as being able to talk to the sensor.

Weekly Summary

This week, we started messing around with the hardware and coding the microcontroller. Today, we tried to use the debugger to inject our code onto the MCU, but ran into several unknown errors. We will try again on Wednesday.

Pending issues

None

Plans for next week

Next week we plan to have the base station to smartphone communication finished, as well as being able to read from the sensor.

Budget

N/A

Next Meeting

3/2/2016 4:00 PM, Coover Senior Design Lab

Hourly Contributions

Team (together): 8 hours

Matt: 6 hours

Shen: 6 hours

Qichen: 6 hours

Darnell: 6 hours