

EE/CprE/SE 491 Weekly Report *MAY1622 Week XII*

Date (11/18/15-12/1/15)

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

11/18

The team started to build the slides for our final presentation next week, and talked about who would present what information.

11/20

- Research smart pebble dimensions
- Use circular board to save space
 - Or order square board and cut off corners
- Rounded casing
 - More difficult to break when mixing
- We can probably not worry about the heat of the 1310 affecting the sensor's readings
- Need to order R's and C's
 - Use 0603s for antenna array, 1206 for the rest
- Use reflow oven or heat gun to mount QFN packages

12/1

The team polished the slides and decided how many and which slides went to whom.

11/20/2015 Group Meeting with Advisers

Duration: 1 Hour

Members Present: *None*

Purpose and Goals:

We presented new battery holding technology and antenna as well as a new design for the enclosure. The new design will be less of a strict cylinder and more of a rounded pebble shape.

Weekly Summary

Preparing for the final presentation, and choosing new antenna parts.

Pending issues

None

Plans for next week

Next week, we present on Monday at 11:30 AM.

Budget

N/A

Next Meeting

12/2/2015 4:00 PM, Coover Senior Design Lab

Hourly Contributions

Team (together): 5 hours

Matt: 4 hours

Shen: 4 hours

Qichen: 4 hours

Darnell: 4 hours