

EE 492 Weekly Report 5 MAY1627 Week 11 (3/22/16-3/29/16)

Advisors: Randy Geiger Client: Randy Geiger

Members (roles): Kelly McConville, Xiayang Sun, Yinkun Peng

Project Title: Smart fuel tank sensor

Weekly Summary

Yinkun made progress with his measurements for the weigh scale prototype and Kelly moved past his roadblock programming the FDC. We have clear goals for next week and should continue to make good progress.

Meeting notes:

We discussed issues that Yinkun was having in designing a frame for his prototype to get accurate measurements with the rating of the weigh scale. Also discussed how Kelly was able to move past programming issues.

Group Meeting with Advisors

Duration: 50 min **Members Present:** Kelly and Yinkun

Purpose and Goals: Discuss blockers that we are facing such as the frame for Yinkun and get Dr. Geiger's suggestions for how to best move forward. Also need to set new goals to accomplish for next week.

Achievements: Moved past roadblocks in programming the FDC and made solid progress.

Pending issues

Get relationship between read capacitance value and liquid level.

Yinkun still needs to build a frame for his prototype and complete programming his ADC.

Plans for next week

Finish FDC relationship and complete working prototype for capacitance method. Yinkun is going to move toward a working prototype as well.

Individual Contributions(this week)

Kelly: Able to program FDC and get capacitance readings.

Yinkun: setup circuit needed for prototype.

Total contributions for the project

Continued to move forward and accomplished some of the goals set last week.