EE 492 Weekly Report 5   MAY1627   Week 11 (2/8/16-2/14/16)

Advisors: Randy Geiger   Client: Randy Geiger
Members (roles): Kelly McConville, Xiayang Sun, Yinkun Peng
Project Title: Smart fuel tank sensor

Weekly Summary

For this week, we had one meeting with our advisor Geiger. We listed our unsolved problems and asked Geiger for some suggestions. During the meeting, we get some help from Geiger and have some new ideas to solve the current problems.

Meeting notes:

Discussed the problems and difficulties we had encountered with Geiger. Geiger gave each of us some suggestions to solve the problems. For the codding problem Kelly met when he was prototyping capacitance method, Geiger suggested Kelly some reference books which may solve his problem. For the load cell method, Yinkun found the voltage unchanged when tank was put on the load cell. Geiger advise him adding an amplifier. For thumper method, Geiger thought the scope of oscilloscope probably was not set correctly and the output signal is also needed to be amplified.

Group Meeting with Advisors

Duration: 50 *min*   **Members Present:** All members

Purpose and Goals: Try to solve the current problems with the prototypes

Achievements: We get some ideas to solve the problem.

Pending issues

Solve the current problems and get a proper results.

Plans for next week

We will try to solve the problems based on Geiger's suggestions.

Individual Contributions(this week)

Kelly: Continues to work on the basis of the prototype and coding for TI microcontroller for capacitance method.
Xiayang: detects signal of the vibrator for thumper method.
Yinkun: measures the output voltage for load cell method.

Total contributions for the project

We found the potential solutions for our current the problems, and will continues to work on it until we get the proper results.