10/11/15 – 10/17/15

**Accomplished**: We set up the Github page and our own personal accounts for this week. We also put in the desired specifications for which we decided our narrowed down project. As a team, the obstruction notifying cane for the disabled was indicated as the best project and with a good difficulty. We sent in our request to the instructor.

10/18/15 – 10/24/15

**Accomplished**: Met up with team and proceeded to test Arduino code with Shadman and ensure the sufficiency of the ultrasonic sensors used in accessory to the Arduino board. The test came out sufficient with the accuracy of the sensor being at a suitable (realistic) value when testing. We were precise in our distance that tested upwards of 2.5 meters. Note: We had to make some changes to the code due to some approximation errors occurring on the Arduino output code. A slight implementation of an AND statement fixed the correction.

We also went over the CAD design of the product and what other things the product may need as well.

The team through this week worked on the product design specifications sheet and tried to make sure it covered the necessary areas.

10/25/15 – 10/31/15

**Accomplished**: This week I studied various circuits for giving signs of a low battery indication, of the circuit, for it is important for a disabled person. I looked at at least a few and narrowed it down to a couple of selections. Also, after the team meeting, I went and tested the cell phone battery vibrator motors to test if they are sufficient, and when the precise current is running through the motors the vibration is sufficient; otherwise, with low current, the doesn’t have much of a vibration and may not have a good vibration feel on the handle of the device. We will have to study a good output for running the vibrating motors.

As a team, we set up the needed schedule for the team to navigate our progress with and what needs to be done with what people. The Schematic also is being completed by Keon and Shadman while Dusan and I will look through it for validity.