26Aug-7Sep

* Review and apply for projects
* Review scrum
* Review documentation requirements

12Sep

* Assigned a project with group 8 (Portable Ultrasound Device for Coda-Wave Interferometry)
* Familiarize myself with the team members
* Discuss project with team
* Read over project details
* Create GitHub

14Sep

* Establish communication with team (discord)
* Link GitHub accounts and review GitHub operation with team
* Establish communication with client (Professor Brown) through email
* Set up meeting with client to review the project and establish the projects requirements.
* Draft generic project vision and backlog based on provided information (final copy will be produced after meeting with client)
* Chose scrum leader through vote (Kisellus)

15Sep

* Meet with the client and confirmed project scope and requirements.
* Completed draft for product vision and product backlog.

19Sep

* Ask teacher if budget comes purely from client.
* Confirm with team that the product vision and backlog are correct. Modify as required.
* Rank tasks by importance and determine which team members are best suited to each task.
* Delegate tasks to begin work/design/research.
* Start getting a parts list to estimate price. (Estimated 2-week completion for estimate)
* Create project backlog through the issue system and assign tasks.

21Sep

* Work on design for electrical system (Lithium-ion batteries chosen)
* Correct vision statement
* Correct the backlog and add sprint designations

26sep

* Note: a lot of work done this weekend. Draft of electrical system, draft of front panel, list of parts, capacitor size calculation, SDS drafted.
* Discuss project status
* Assign personal to SDD and SRS, placed on google drive for editing
* Schedule meeting with client for Friday at 1300 for status update and technical questions.

28sep

* SDD and SRS document work

29sep

* Meeting with client
* Verify pulse shape

(2microsecond pulse wait and record for 100 microseconds then repeat 50 times)

* Request to audit parts list prior to approval
* Possible expansion to multiple sensors in the future (possibly next semester)

1oct

* Audit parts list and reconfirm calculations.

3oct

* Sprint power point presentation draft.
* Schedule meeting with client to retrieve test equipment.

5oct

* Sprint power point presentation

6oct

* Speak with client and verify parts list. (start purchase process)
* Obtain test equipment

10oct

* No Class: career fair.

12Oct

* Modify electrical schematic.
* Speak to TA and professor for the majority of the class. To identify weak points.

14Oct

* Draft test plan
* Run simulation on LTspice to verify capacitor behavior.

15Oct

* Draft test plan (15 pages)

17Oct

* Review test plan with team
* Discuss solutions to sampling/data problem
* Revise SDD

20Oct

* Revise SDD based on feedback from TA

21Oct

* Revise SDD based on feedback from TA

24Oct

* Revise SRS

27Oct

* Sprint\_v2 draft

31Oct

* Review parts list, produce alternatives if Digi key tax free status does not occur.

1Nov

* Sprint 2 presentation.

7Nov

* Order parts
* Convert some parts to tax free websites. Client requires tax free.

9Nov

* Verify parts ordered using correct product code and correct quantity.

14Nov

* Verify components values match expectation/ test parts individually.

16Nov to 19 Nov

* Begin soldering components/ assemble electrical circuits.
* Verify electrical circuits function correctly.