10/24/21 Meeting Minutes  
Topics to discuss

Technical Specifications

**Team Name -** Cold Fries

**Location met -** Discord

5/5 Attendance - 5 Present

**10/20/2021**

**7:04 PM - Meeting Started**

Start on the technical specifications paper.

Manually measure some test sample dog bowls for length and height.  
  
Planning the height as a limitation for our design.

Determining materials and outcomes of using them.

Discussing certain intricacies with the design that could cause issues in the future

**8:32 PM - Meeting Ended**

**Meeting will continue on Friday, 10/22**

**9:40 AM - Meeting Started**

Continue working on the technical specifications paper

Discussing on how the device would connect to the web client

Was looking into server side javascript that could link signals and data from the device to the web client through a server of sorts that would work both ways.

Looked at examples of node.js and websockets for communicating between raspberry pi and html.

Spent time looking at hardware specifications of materials such as wood, wire, and gauges.

**11:20 PM - Meeting Ended**

**10/24/2021**

**7:15 PM - Meeting Started**

Finishing the technical specifications paper

**8:40 PM - Meeting Ended**

**Summary of Meeting (1 to 2 paragraphs)-**

Most of the time spent during the meeting was spent working on the technical specifications paper. The intricacies of the product design as well as the design were discussed further in detail as a result of the paper. Certain parts and how they would work or fit into the design were discussed in depth. The connection between the product and the web client and how that connection would be produced were also discussed. The tentative design of that connection and what would be used was decided.

**Total Meeting Time - 4 hours 33 minutes**

**Individual Contributions (1-3 sentences)**

**Kenny -** Contributions to the technical specifications paper was made. The design of the product as well as the components were discussed with the team.

**Khai -** Focused on working on server and software side on specifications paper. With the CS members for reference.

**Kevin -** Contributions to the technical specifications paper was made. The design of the product as well as the components were discussed with the team. Kenny and I parsed out all the rest of our part orders (for now; maybe some small additions to be made). *We are focusing on getting the pi running now and designing the circuit. A load analysis is in the making.*

**Michael -** Focused on working on server and software side on specifications paper. Looked at sources of articles and video showcases of node.js and websockets with the CS members for reference.

**Davin -** Helped with the technical specifications paper. Looking into using node.js and other server related javascript for the connection between the product and web client.

**Team accomplishments for the week (1 to 2 paragraphs)-**

On the Electrical side, Components that were previously ordered have begun in the testing process. We have been researching different sources as to how to hook it all up and different ways and how they may affect the performance of the components. We have also been thinking about writing an electrical load analysis, designing the circuit and implementing it. Soon we need to be planning on the mechanical design of the feeder as well. Early in the semester we made sketches of our product but now we need to hone and refine those thoughts.

On the CS side, some bit of node.js was looked at and learning javascript is going smoothly. An idea of how the connection between the device and web client was discussed and settled upon.

**Issues -**

Though the means to implement the connection between the product and web client were decided, the matter of how to implement it specifically is still unknown. This method of connection would need to be looked at further in order to determine the feasibility of it, and how much research and testing that needs to be done to make sure it is working properly.

* We need to begin implementing the mechanical design of our project by… at least by the end of the second week of november. This will take more time than we probably want to use and it is needed.
* Write up a load analysis and decide on how to implement our rough prototype on the electrical side.
* Finding exact amounts of resistors, diodes, NPN needed in the circuitry. This means finding exact resistance and where, etc.
* Setup the Pi and didn’t get it to work this weekend. Will be trying once more this evening of 10-24-21 and without success this is a serious worry. Will relay to the team before the next meeting if there are any more issues. -kp

**Next Meeting Date & Time - Thursday 10/28/21 7:00 PM**

**Meeting Location -** Discord