

The team began the project by focusing on the inputs and outputs of the overall system. This information would be processed by a microcontroller, which would read the inputs and determine the appropriate outputs. With this in mind, a block diagram was constructed, and team members were given isolated blocks to develop over time, which would be implemented together in the final system. As such, the team was capable of working together in a remote environment, and was also constantly in communication to discuss each part of the project and how they would eventually be integrated together.

[illegible]

Throughout this project, the team learned about how electrical engineering concepts are applied in order to design a fully functional system. This involved being able to select the parts to be implemented within this system, as well as being able to interpret their datasheets so that they can be implemented into the system correctly and effectively. Implementing components such as connectors, an enclosure, and a PCB were also new concepts the team had worked with, and thus this project served as a great way for team members to learn how to work on these concepts so they can be applied properly in future projects.