Google Drive
Design Review 0
Task Sheet/Action Items
Progress Report
Meeting Leader: Kyle
Meeting Minutes: Katherine

Kyle Introduces Agenda and goes through any updates from the past week regarding orders made. He walks through the things that we ordered and how we are still waiting for items to come in to get more progress done.

Prof. Schafer gave a thumbs up on the current website setup. Credit to Annahmarie for setting up and uploading the necessary documents and material there.
- https://seniordesign.ee.nd.edu/2025/DesignTeams/nexasensee/top_page.html

Jeffery Y. updates his calculations regarding optical power and optical subsystem circuitry such as the transmitter and receiver and whether values make sense. It's suggested to look at things or similar applications to DIY remote controls online to then follow other approaches and see how it can be applied to the design.

Katherine clarifies specifics regarding environment characterization. Below are suggested tips to consider or what is expected with regards to user interface design as well as storage of data even after battery switch/maintenance.
- Does pressure changes as there's an increase in altitude really affect the temperature/humidity of application. How necessary is this consideration? Probably doesn't make a huge impact.
- Users should have some sort of control in setting thresholds for "normal" ranges of temperature and humidity for a specific environment.
- How do we store values for a specific location if the batter is changed so they're not lost?

Jeff M. Updates regarding schematic and PCB examples he is using from online resources. It's recommended to be careful with breakout board examples withdrawn from online resources since they can be over complicated for our application.

Plans for future work:
- Wait on items to come in to then begin testing sensors