

## Week 11 Meeting Minutes

Wednesday, October 30, 2024 10:11 PM

### Group meeting overview:

The required meeting for Week 11 occurred on November the 6<sup>th</sup>, 2024 after the lecture section that day. During this meeting the group took the time to address any concerns for the upcoming week.

### Attendance:

There was full team attendance during this meeting, and communication was maintained for all members of the group so that each had an equal say in group decisions.

### Updates:

ME Team physical design completion date has come and passed, yet again, we just received word that their design will no longer be able to function as anticipated, they are working on getting the design to have the ability to shoot a single round.

### Notes:

Each member was reminded of upcoming due dates.

#### Group Assignments

- Adam – Working on code, Housing for sensor and servo
  - Allen - Just working on my prototype for the housing, assisting others as needed
  - Colby – Getting RPI5 to interface with motors, working on communication from RPI5 and Arduino
  - Tyler - Testing sensors, working on sensor mounts
  - JT – got ESPs program to communicate over WiFi done, got camera setup and confirmed tracking ability, optimizing the subsystem
  - Jonah – Continued testing the motor using Voltage signals that we anticipate coming from the RPI5, no issues in the lab setting – coordinating with Mr. Rentschler, and ME team
- In addition – each member worked later in the evening on the 6<sup>th</sup> to prepare for our minimal function design at 9:45AM on November 13<sup>th</sup>, to help our group prepare for this showcase
  - It should be noted, after meeting with Rentschler on 11<sup>th</sup> of November during the lecture section, it is acceptable for our group to show a minimal function showcase on only ECE team components. For example, detecting a ball, aiming motors moving, and firing motors moving.
  - In addition to this, the group as been tasked to work on the Experimental Analysis documents

### Planned Tasks going forward:

- Each member was asked to monitor the Teams chat for any updates
- Each member is working on their prototype design
- Complete BOMs as necessary
- Nov 13<sup>th</sup> 9:45AM – Minimal Function Showcase
- Experimental Analysis Upcoming

### Takeaways/Quick Bullet points:

- Monitor Teams for updates

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Work on prototype designs
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/BOMs
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