

Meeting Minutes

Date: May 13, 2025

Time: 8:00 PM – 8:45 PM

Attendance: Everyone present except Alex

Apologies: Alex (attending a funeral)

Discussion Summary

Josh reported that he has completed the Flask application and is currently coordinating with the NLP and navigation teams to ensure seamless communication between systems. Grigor and Bhavya finalised the decision to use ChatGPT for handling OpenCV tasks instead of YOLO. While ChatGPT offers significantly higher accuracy and faster computational performance, it operates with a longer processing time per task, which the team acknowledged as a trade-off.

Tristan is planning to take the robot to an RC car store for assistance in constructing a more efficient drive system. This includes properly routing the power through the hardware, which is especially important given the recent decision to rebuild the system to reduce weight.

After the meeting, Varun will begin developing a 3D-modelled bracket to accommodate the new motor housing, addressing the latest structural changes to the robot design.

Assigned Tasks

- **Tristan** will complete the power system setup for the drive mechanism.
- **Varun** will design and 3D print the new motor bracket.
- **Grigor** will discontinue work on OpenCV and shift focus entirely to finalising documentation.
- **Bhavya and Josh** will wrap up development of the web interface and then begin work on their assigned documentation sections.
- **Alex** is currently unavailable due to a funeral and has not been assigned any tasks at this time.