

Notebook Entry – ECEB Machine Shop Meeting with Greg

Location: ECEB Machine Shop

Attendees: Aryan Moon, Aditya Perswal, Greg (ECEB Machinist)

Purpose:

To finalize the mechanical design and fabrication details for the Smart Medical Pill Dispenser.

Summary:

Today, we visited the ECEB Machine Shop and met with Greg to review and confirm the final design for the mechanical structure of our device. After discussing the requirements and constraints of our design, Greg provided valuable feedback regarding manufacturability, tolerances, and material choices. We walked through each component of the design, especially focusing on alignment for the servo compartments and housing dimensions.

Outcome:

- Final design has been approved by Greg for machining.
- Minor modifications were suggested to ensure ease of assembly and improve part fit.
- We agreed to move forward with the version shown in the attached image as the finalized mechanical layout for fabrication.

Next Steps:

- Get all the parts required to Greg including the Servo motor, load sensor and stepper motor if needed in redesign
- Confirm timeline for machining and expected pickup date.
- Start working on the breadboard to make those electrical devices work

Attachment:

