

# Meeting Minutes 9

Date: Mar 5 – 6, 2024

Time 2:00-3:00pm, 11:00am-12:00pm

Location: ENA305

Attendees:

- Max
- Jaden
- Gurnoor
- Isabella
- Steve
- Sahib

## Agenda

1. Action Item Review
2. Action Items
3. Expenditures
4. Issues or Concerns

## Action Item Review

A33

Item: State machine Diagram and Future Coding  
Person: Jaden  
Update: Code working and sends Data.  
Challenges: Need to improve calibration. Some negative values are popping up.

A34

Item: Casing of Final product.  
Person: Steve  
Update: Mostly done. Need to adjust for input cable and strap for wrist. Will print for next time.

A25

Item: RC Car running  
Person: Sahib  
Update: Car working well. IR communication is slow but will be replacing anyway.

A35

Item: Glove Power testing

Person: Isabella  
Update: Battery picked out for final project.

A36

Item: Glove software interface  
Person: Max  
Update: Python code works well still working on Desktop app.  
Challenges: Deciding on a protocol for RC and pc communications. Will determine how app turns out.

A37

Item: PCB design of final product  
Person: Gurnoor  
Update: Still needs some work. But we know what parts are needed and ready to order.  
Challenges: Deadline is getting tight.

## Action Item Assignment

A38

Item: Coding for RC and PC communication switching.  
Description: Deciding and implementing how to switch between Bluetooth PC app and RC control.  
Person: Jaden  
When: March 12

A39

Item: ESP32 and Arduino wired communication  
Description: Communicating between an ESP32 and the RC car. Sending values based on what is received.  
Person: Steve  
When: March 12

A40

Item: Finish PCB design.  
Description: Finish the design and sending it in for printing before deadline.  
Person: Gurnoor  
When: March 12

A41

Item: Desktop based App design  
Description: Using Microsoft Visual to make an App. Design focused  
Person: Isabella  
When: March 12

A42

Item: RC car case design and printing  
Description: Finish off the case and printing it out. Cleaning up RC car in general.  
Person: Sahib

A43

When:	March 12
Item:	Desktop based App coding
Description:	Coding the app Isabella is designing. Making the buttons and inputs do the right things.
Person:	Max
When:	March 12

## Expenditures

20\$ for 2 new ESP32 development boards.

## Issues of Concerns

Live demo showed us we need to consider how to manage the heat generation. Hopefully the final project design will vent and dissipate heat better.

The glove flex sensors sometimes catches but not a big issue. More focused on other aspects of final project for now.

Wrist strap is very loose and would be difficult to connect board and sensors if the wires were shorter. Needs to be considered more for final project.

Finalizing how communication is going to work and making steps to our final project.

## Next Meeting

Date:	March 12, 2024
Time:	2:00pm – 3:00pm
Location:	ENA305