Team UwU's Engineering Logbook

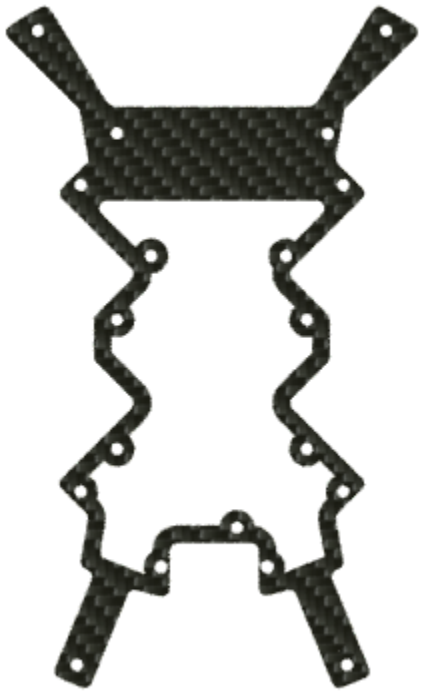
Email: teamuwurobotics@gmail.com
Github: https://github.com/Team-UwU-Robotics/Team-UwU

Mechanical Log

9 May 2020
- We started designing the robot using autocad.

November 2020
- Our first prototype of the robot was designed

December 2020
- Our design of the second layer was improved to reduce weight



January 2021
- Finalised 3D design of our robot
- 3D printed the minor components(e.g. Infrared sensor guard, battery holder, omni-wheels, dribbler, kicker, etc)

February 2021

- ❏ PCBs was delivered to us and we started soldering the robot together

March 2021

- Dribbler was fully assembled
- The dribbler was too much to the back and could not touch much of the ball, to solve this problem, we moved the dribbler forwards by about 1cm
- Kicker was not strong enough had to make modifications

May 2021

- Finished assembling our first robot
- Robot was able to spin
- Started building and assembling our second robot

End of May 2021

- Robot 1 was able to complete the missions

Electrical Log

December 2020

- We began designing our PCBs

January 2021

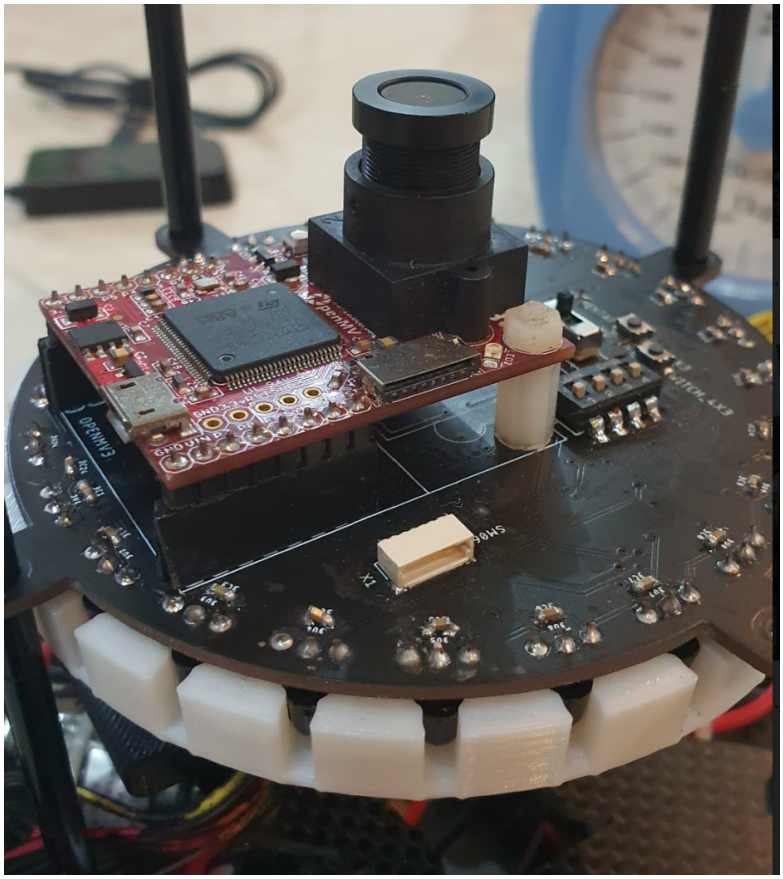
- Design of PCBs were completed and we sent the design to be manufactured

February 2021

- Received our PCBs and started soldering the SMDs and pins

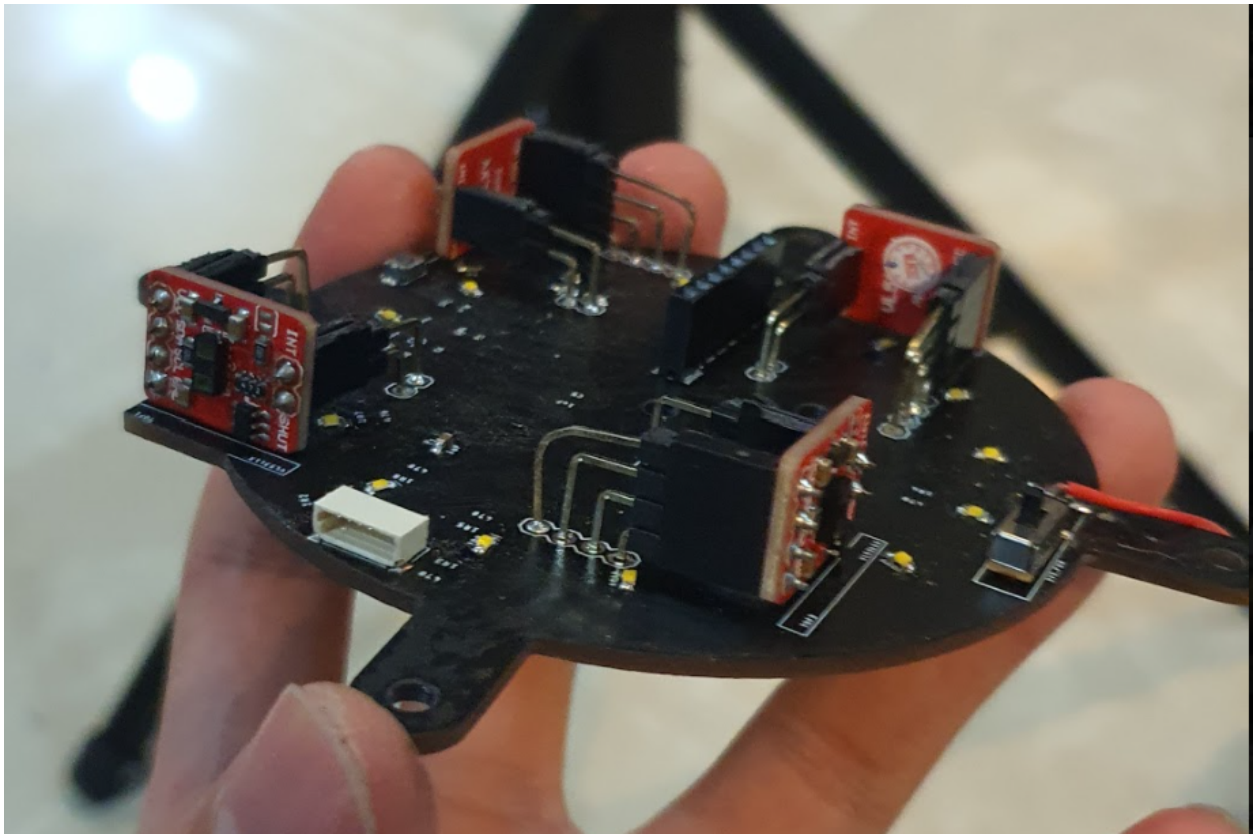
March 2021

- Completed soldering on layers 1 and 3 on our first robot



April 2021

- Soldering on layer 4 was completed and we tested all the circuits on our first robot

- 

<u>May 2021</u>

- We began soldering on our second robot