

Week-6

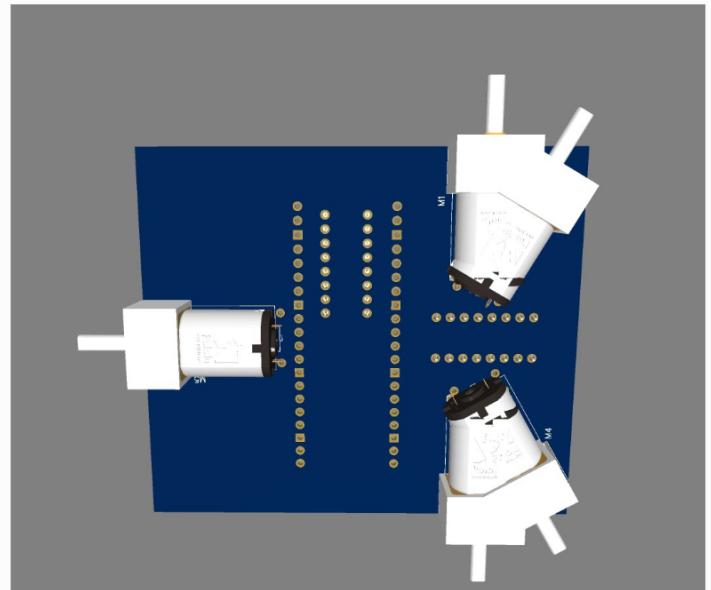
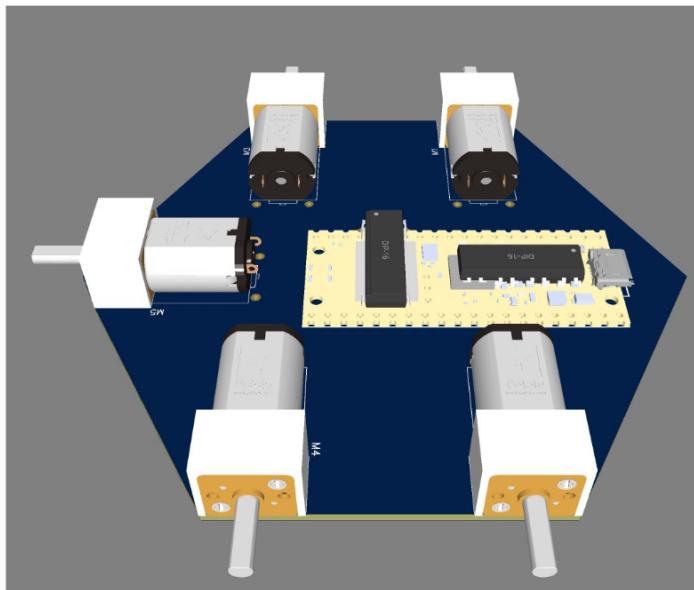
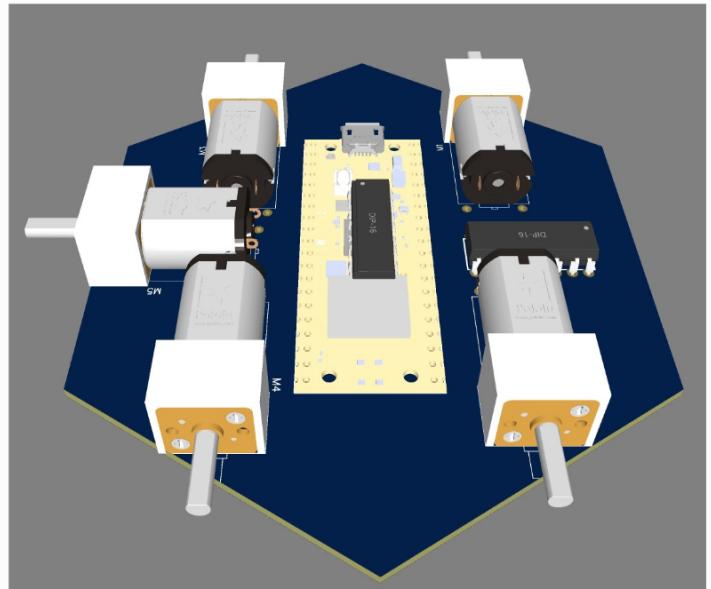
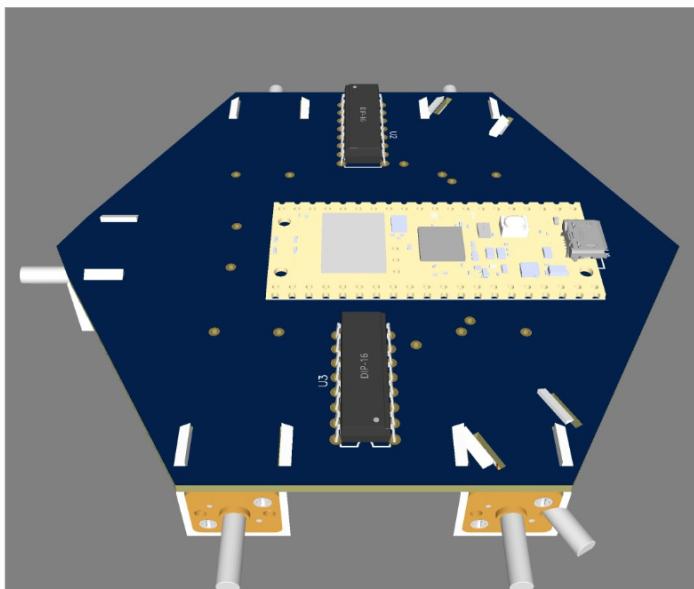
Topics:

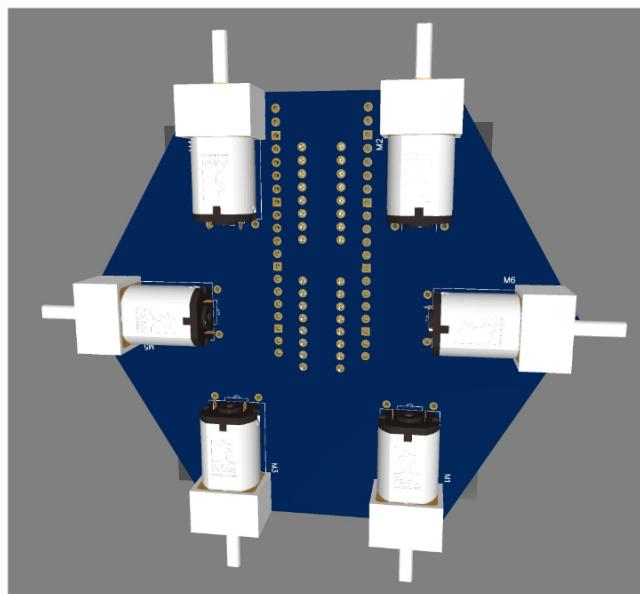
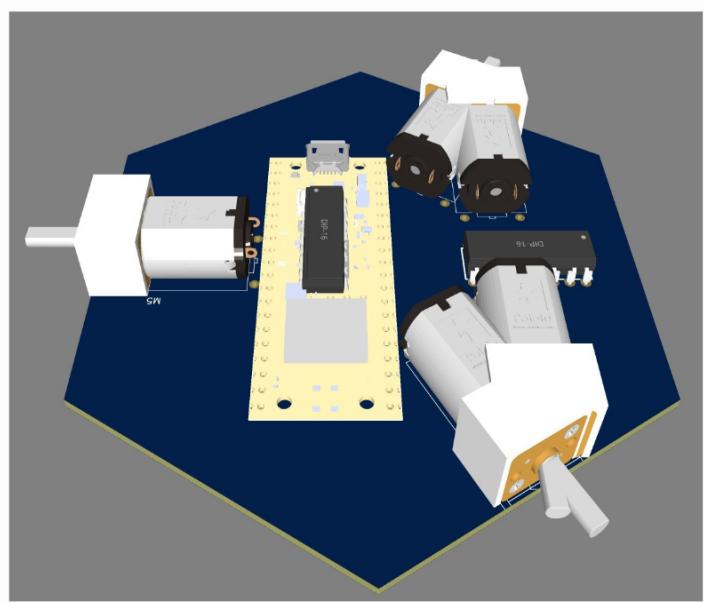
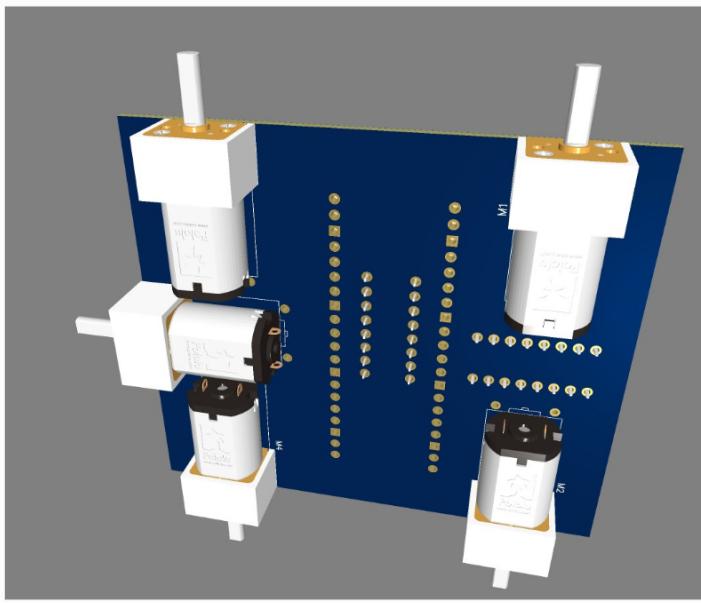
- To create Conceptual design
- To estimate power consumption of the system
- To Start PCB design
- To de research about PIO .

Participants:

- All members of the group participate to meeting.

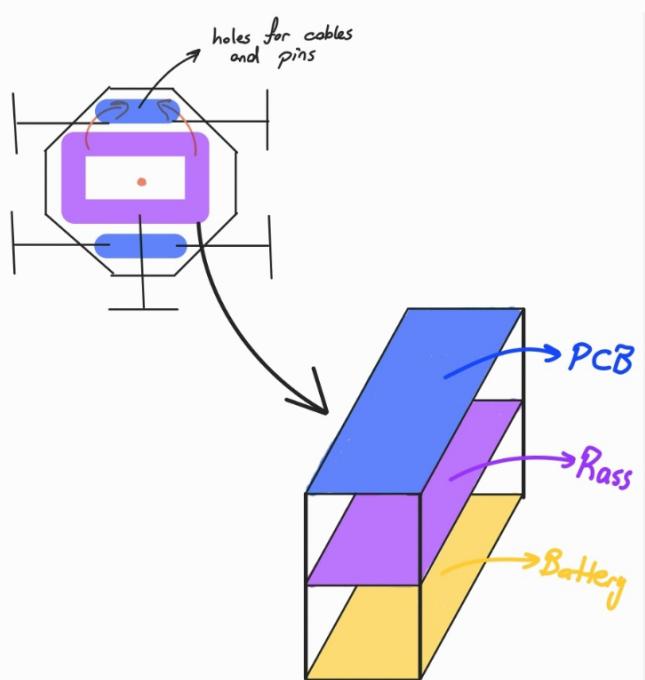
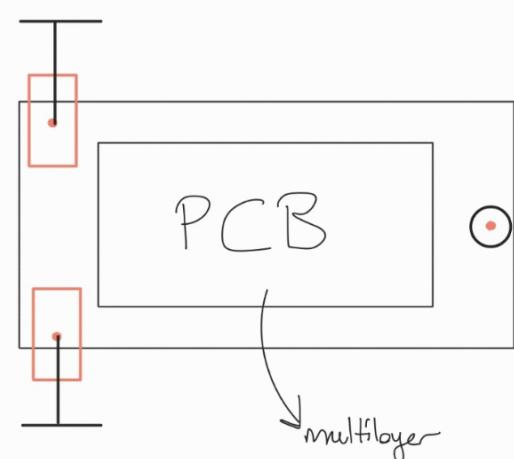
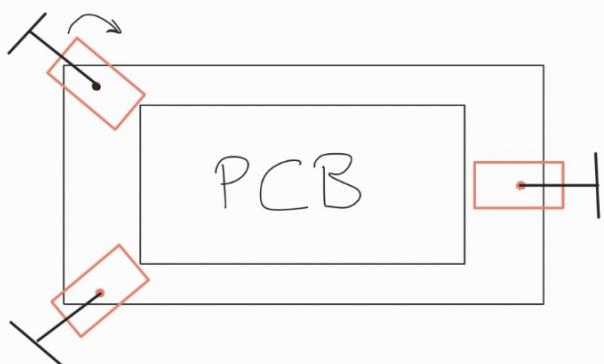
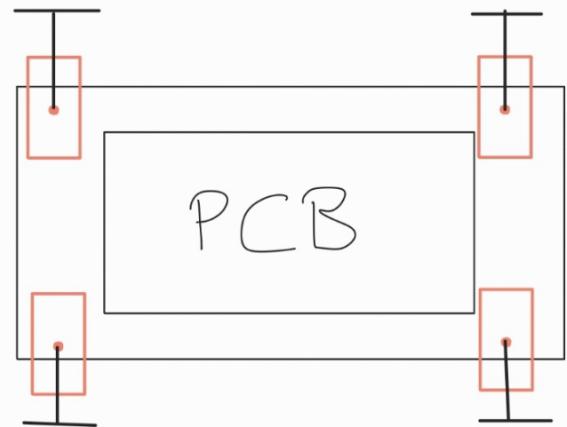
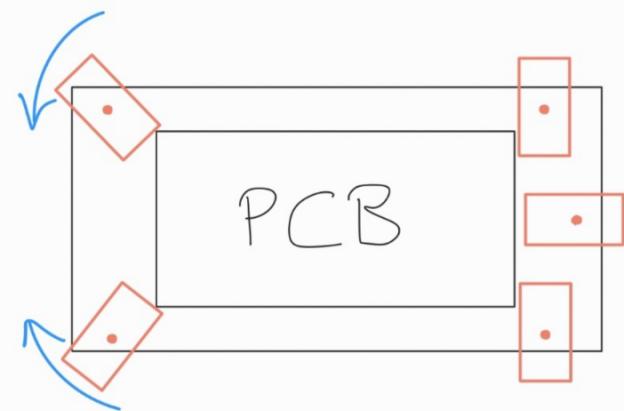
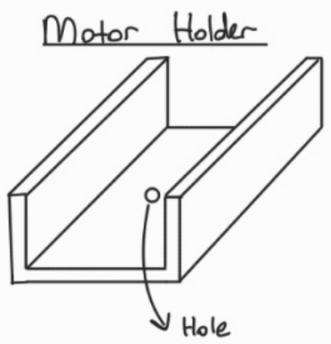
Device	Amperage	Max Power Consumption
Raspberry Pi 4	1.52	7.6 W
Raspberry Pi Pico	-	1.5 watts
HC-SR04 Ultrasonic Sensor	20 mA	0.1 watts
Raspberry Pi Camera Module 3	300mA	1.5 watts
DC Motors (Pololu)	-	1.6 W x n = 4
Total Power Consumption		$\approx 16 \text{ W}$

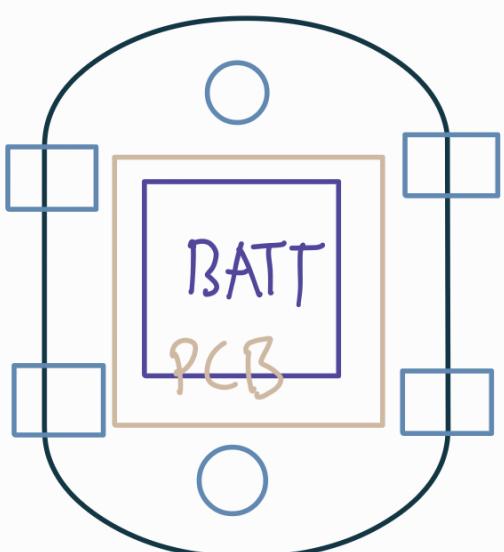
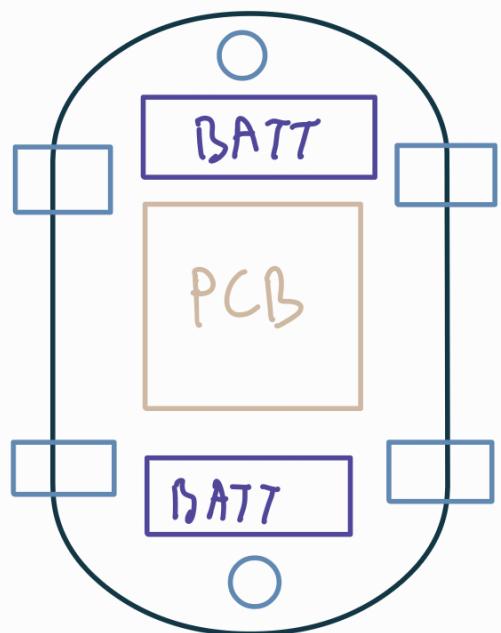
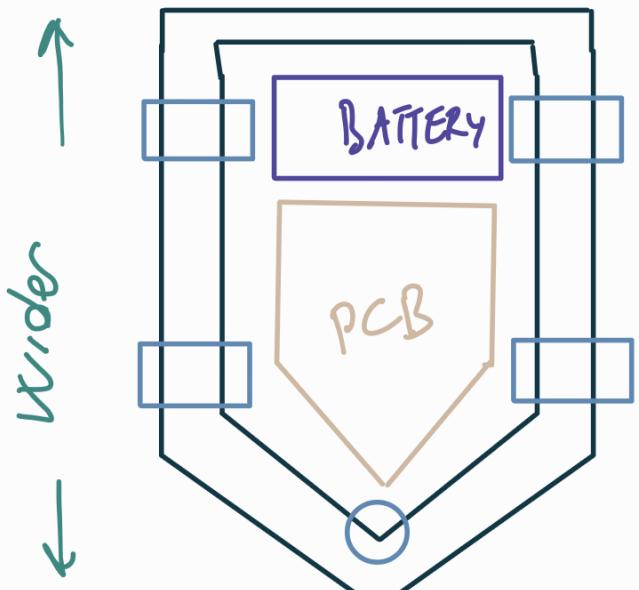




Power Consumption Estimation:

Conceptual Design:





Multilayer / Smaller
height ↑

AI Designs:

