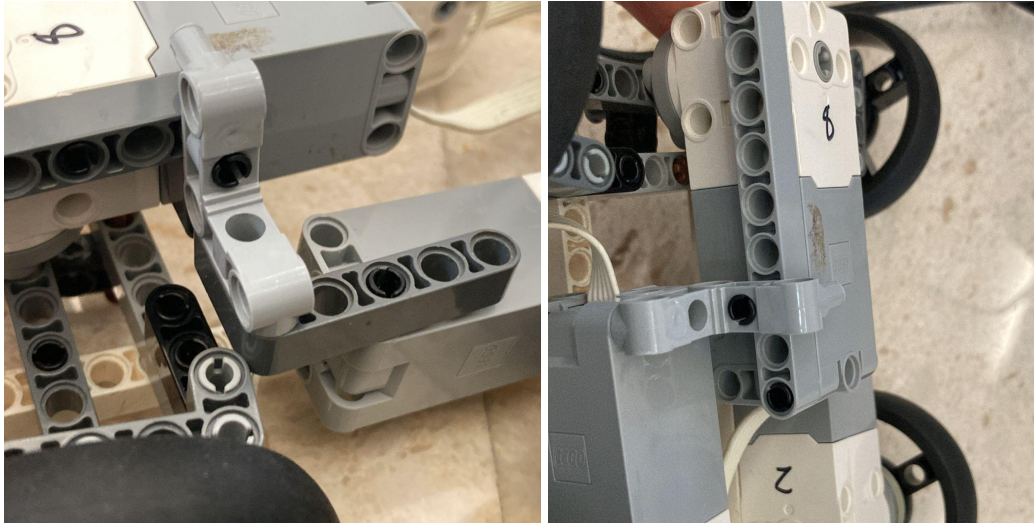
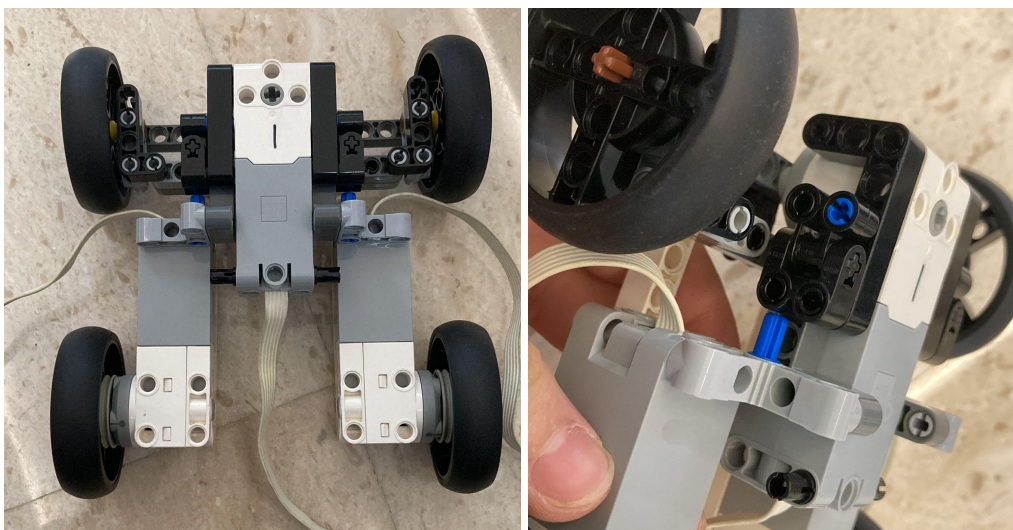


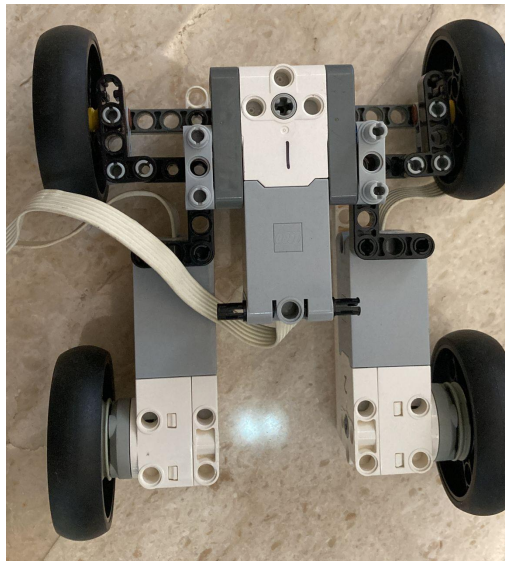
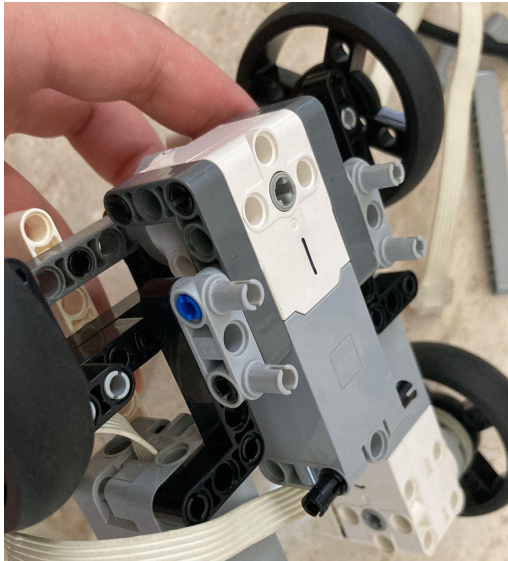
30 May 2023

Third Design:

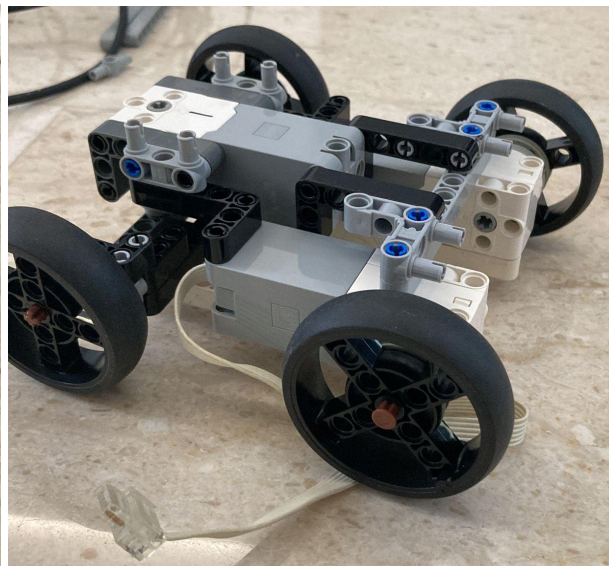
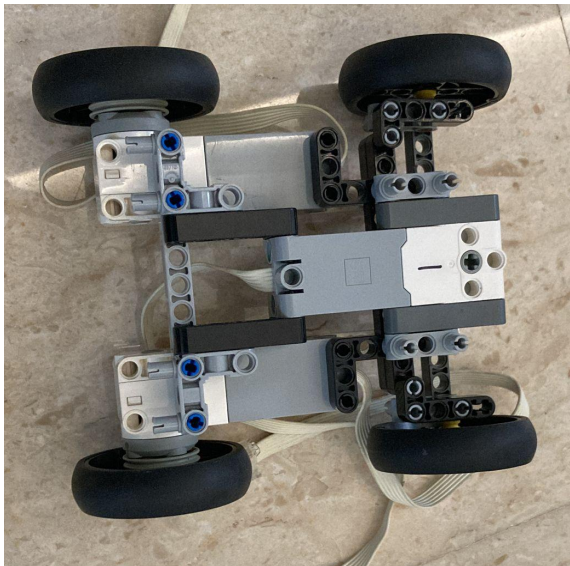


We changed the design so that the motor controlling the 2 front wheels is placed horizontally instead of vertically so that gears are not needed to connect the motor to the steering mechanism. We tried a few different ways to connect the motors to find the most suitable way to connect the motors. The pictures above show the motors being connected by 1 point connections, which is unsuitable as parts connected by 1 point connections are not rigid.



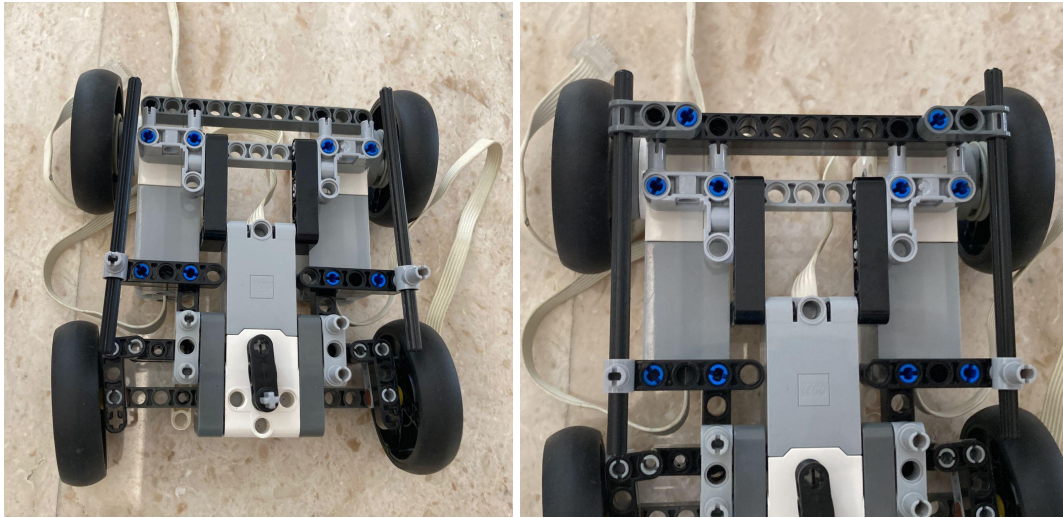


Hence, we changed the connections to 2 point connections. The above pictures show the 2 ways we tried connecting the motors using 2 point connections. We eventually chose the 2nd way.



Raspberry Pi holder:

We needed to build something on the robot which we can place the Raspberry Pi on.



We used axles to build the Raspberry Pi holder as it would reduce the blocking of the ports along the side of the Raspberry Pi.