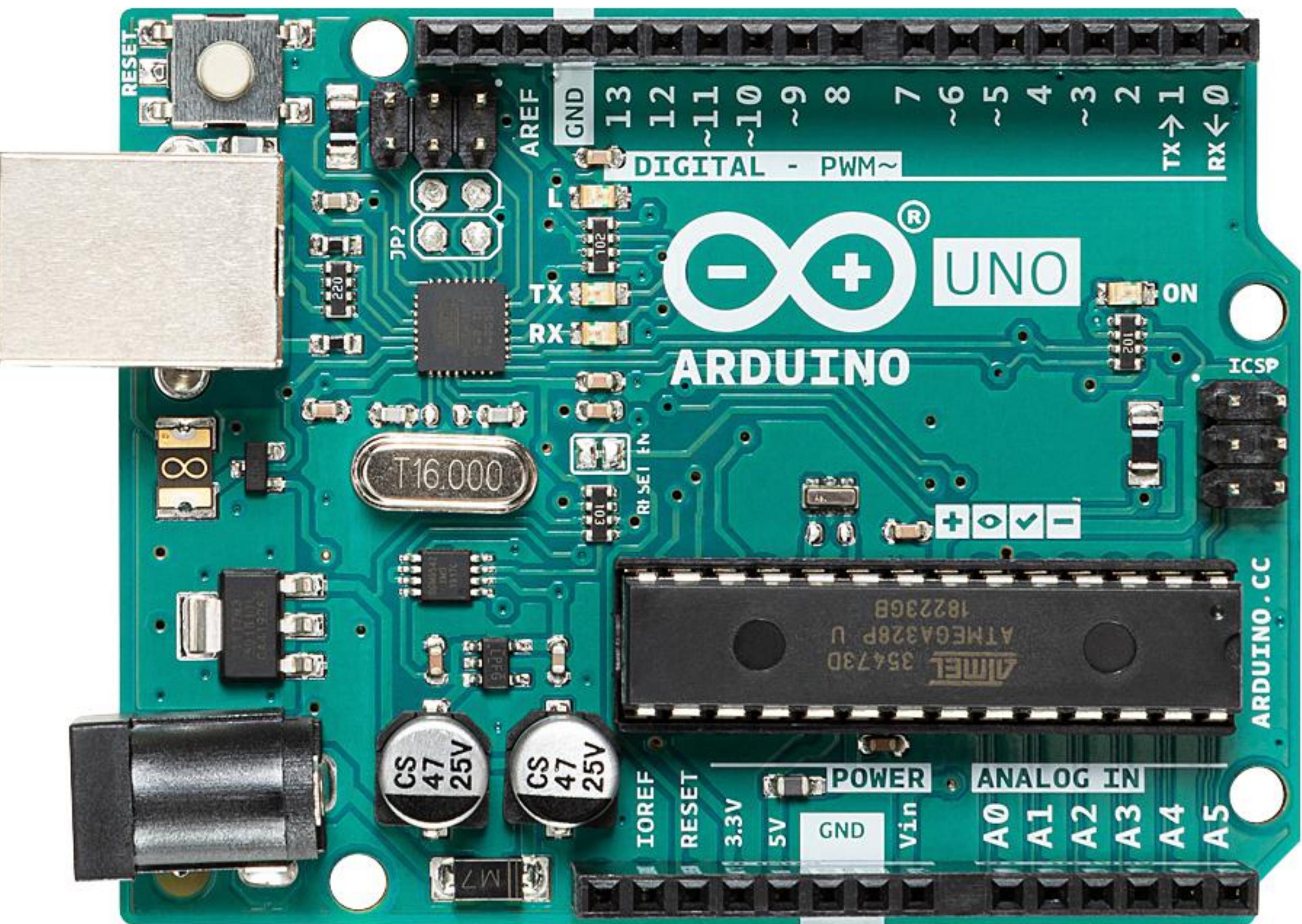


# Arduino Beginner Booster

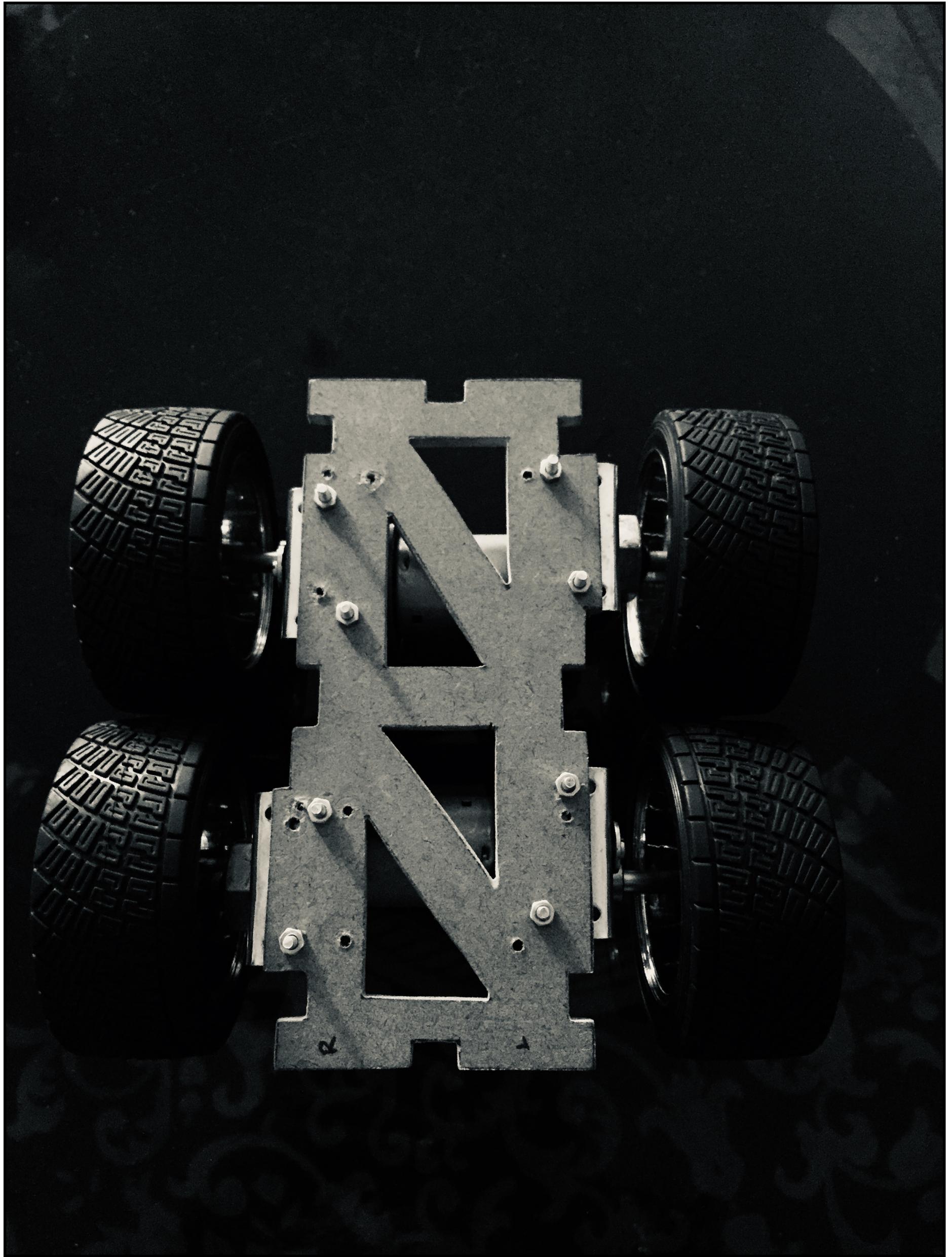


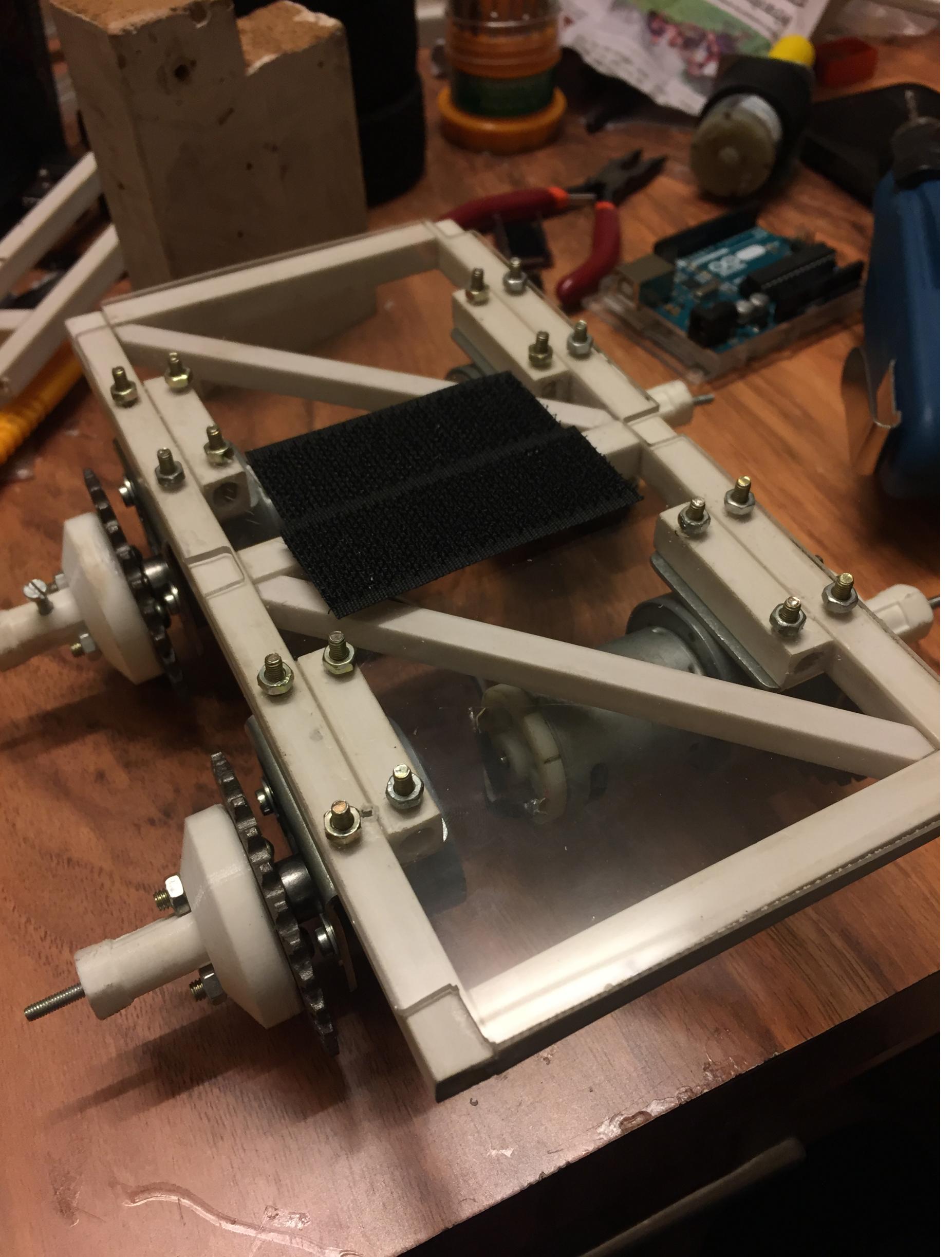
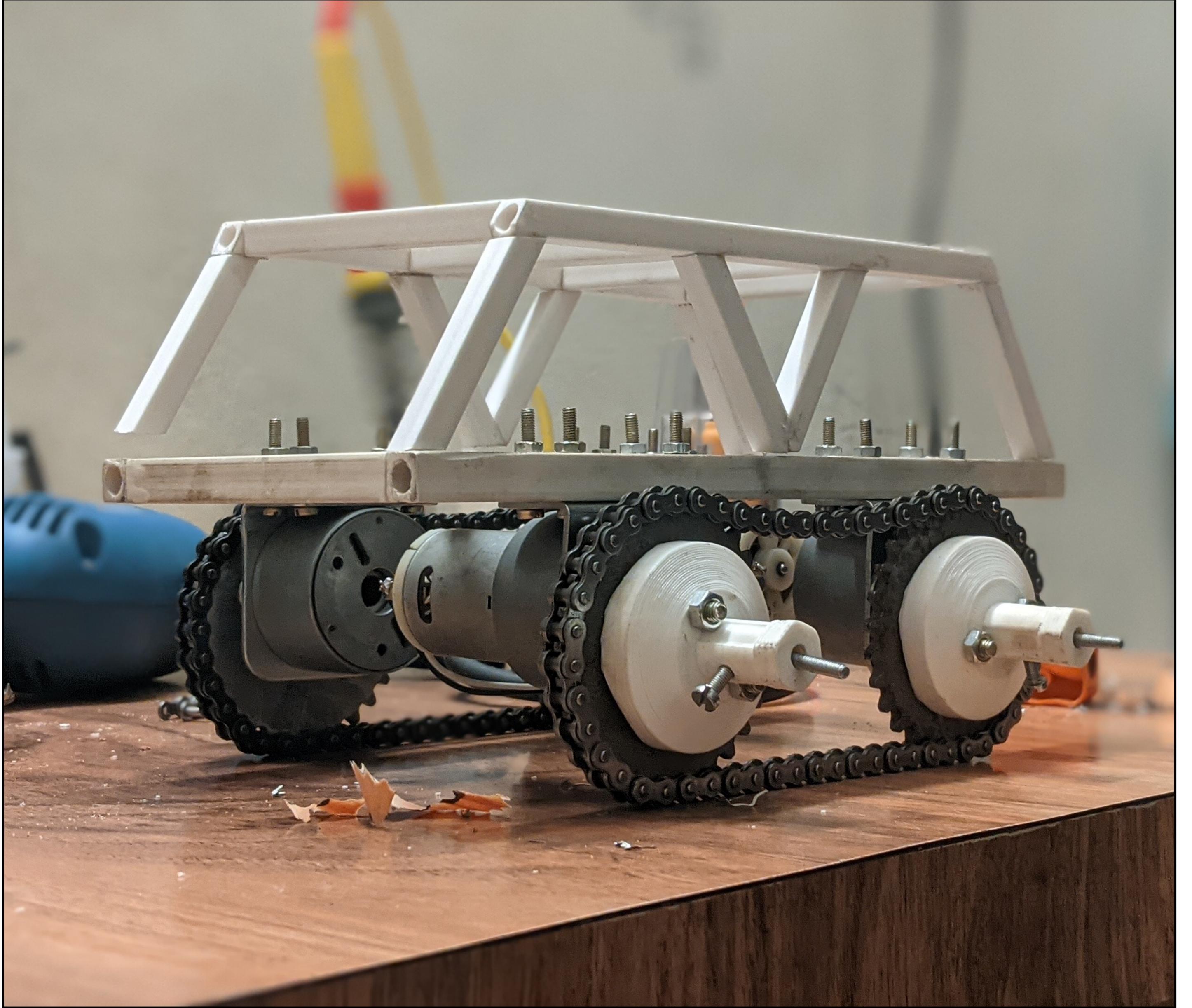
Yash Herekar

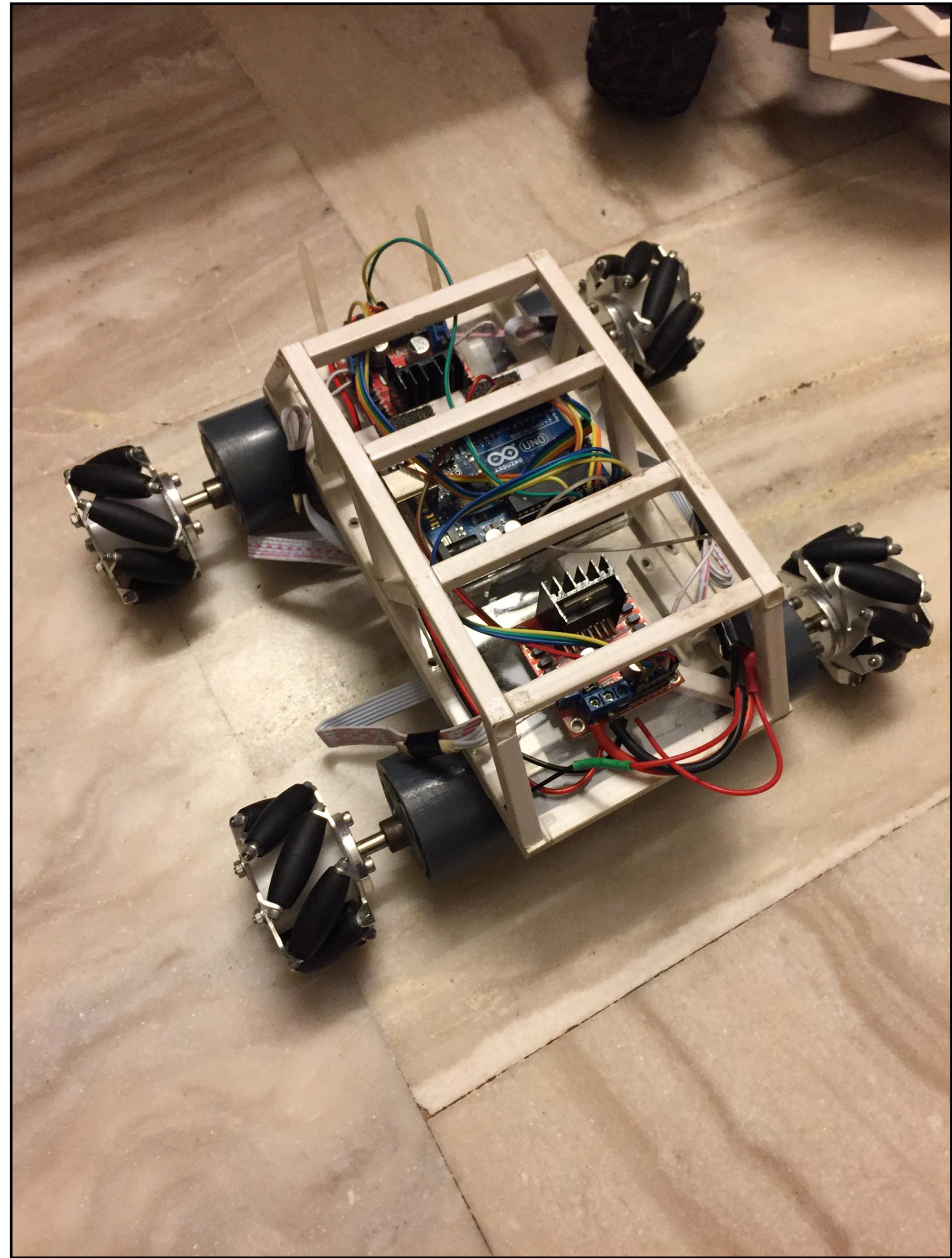
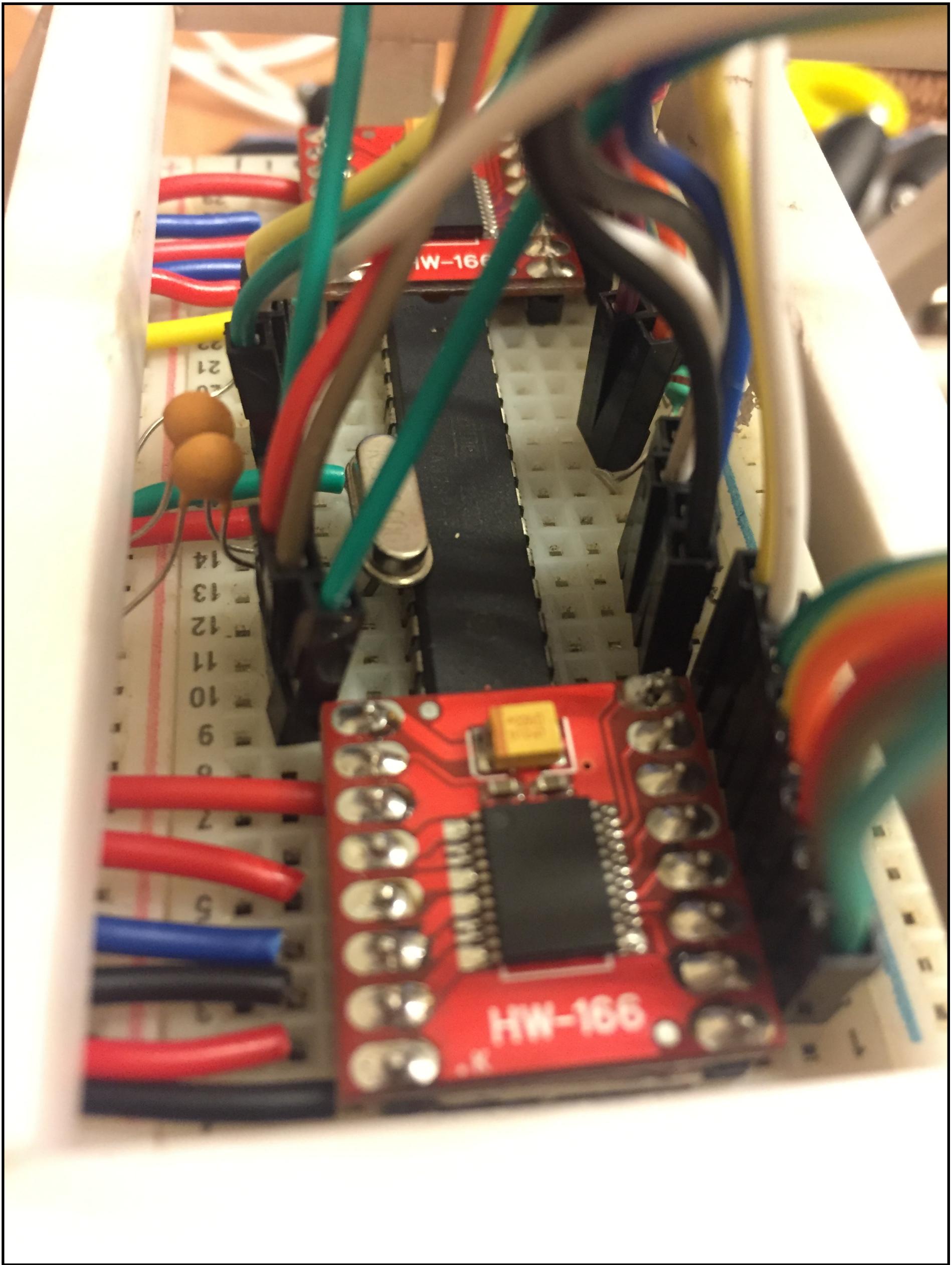
December 18 2022

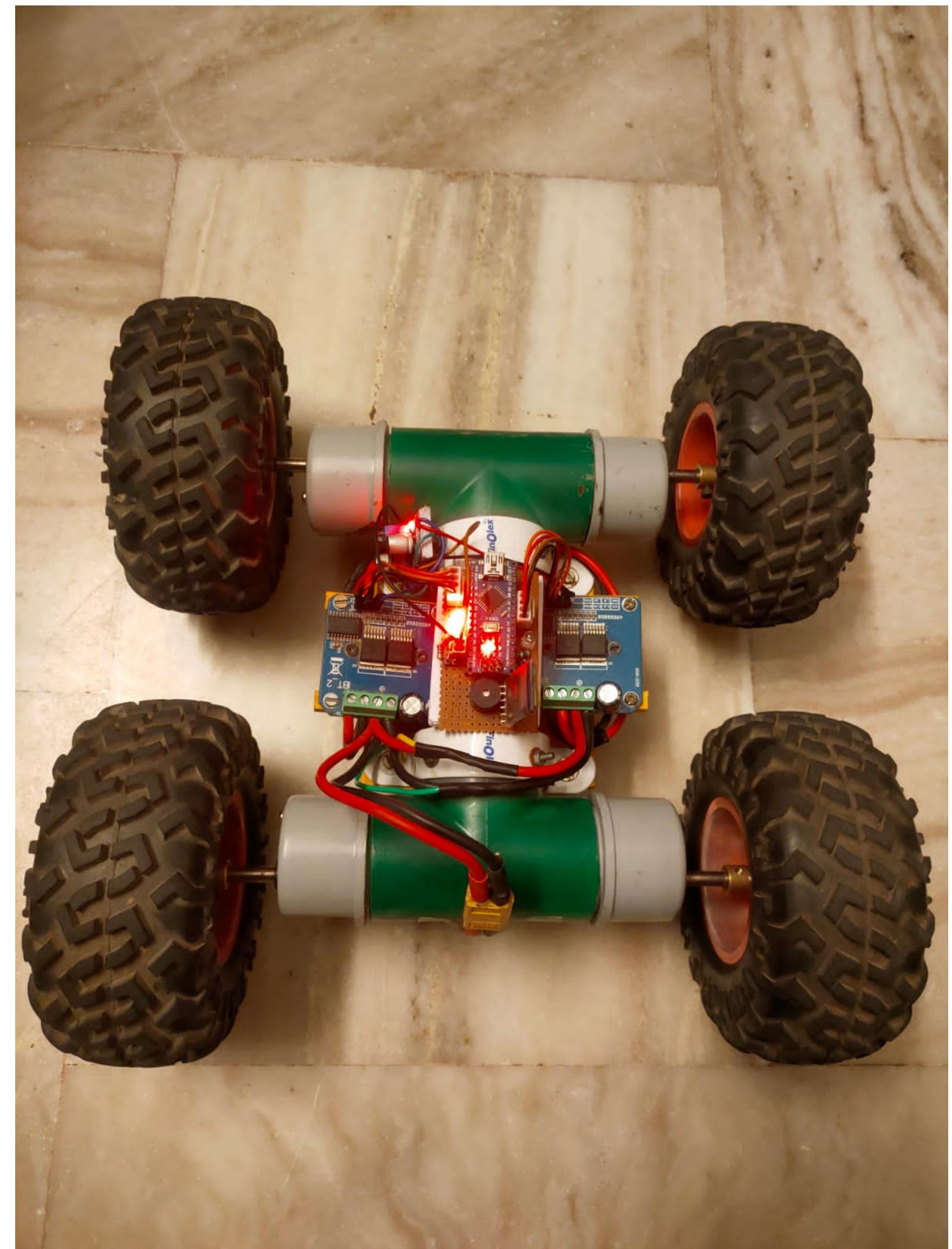
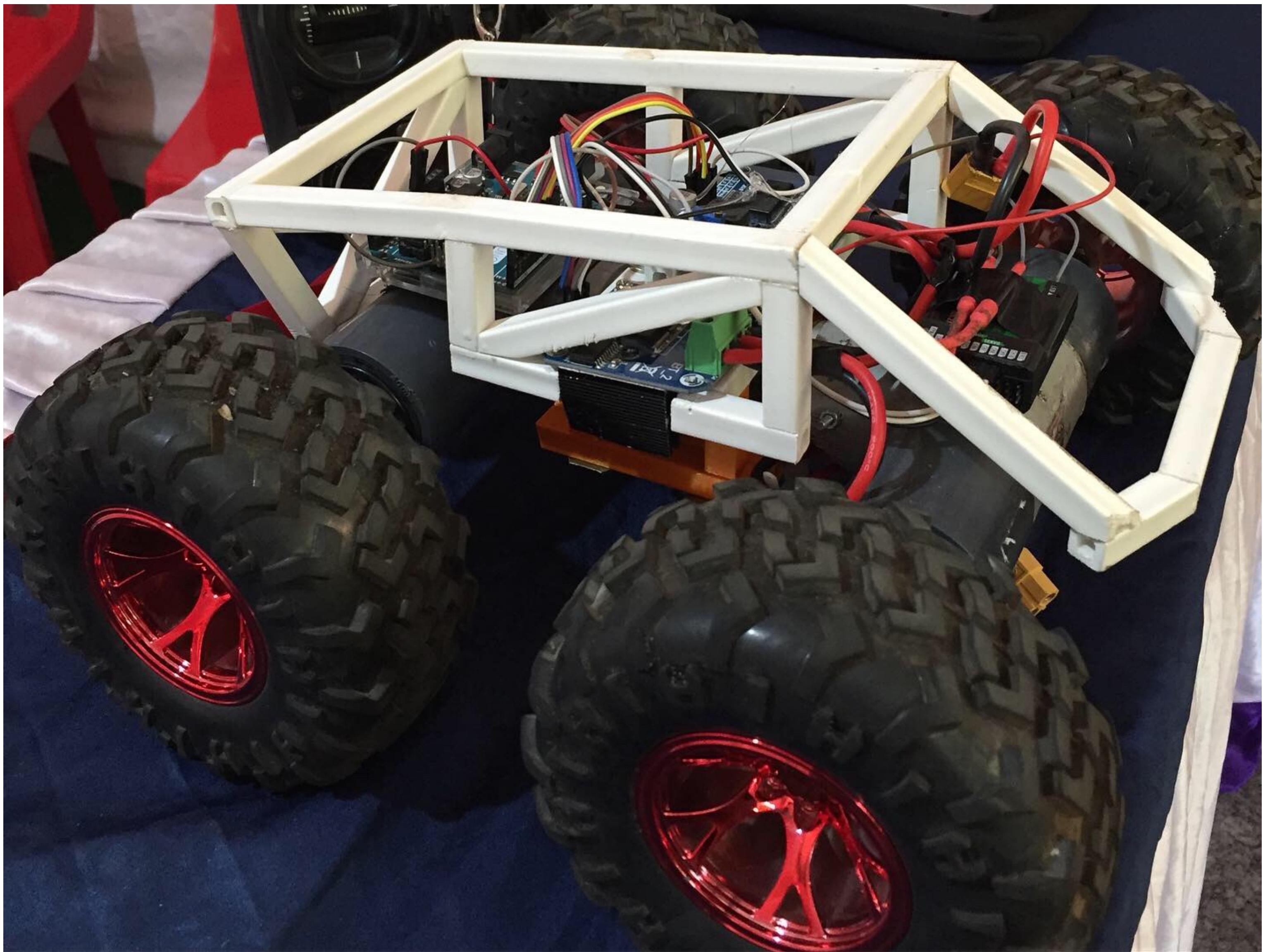
# A little bit about myself

- Linux enthusiasts
- Robotics
- Vice Chairman CSI student chapter
- Embedded systems design and development
- Creator BTS7960 open source Arduino library
- Projects
  - i. 4 Wheel drive robot
  - ii. Buzzwire









# **How things are gonna be done**

## **Roadmap**

### **Beginner workshop**

- Version Control System (VCS)
- Introduction to programming in C++
- Arduino and its APIs
- Leds
- Buzzers
- Classes and objects
- State machines
- How to write your own open source library

# Robotics Workshop

- Motor Drivers Overview
- Learning the BTS7960
- Making the prototyping board
- Finite State Machines
- Object oriented programming