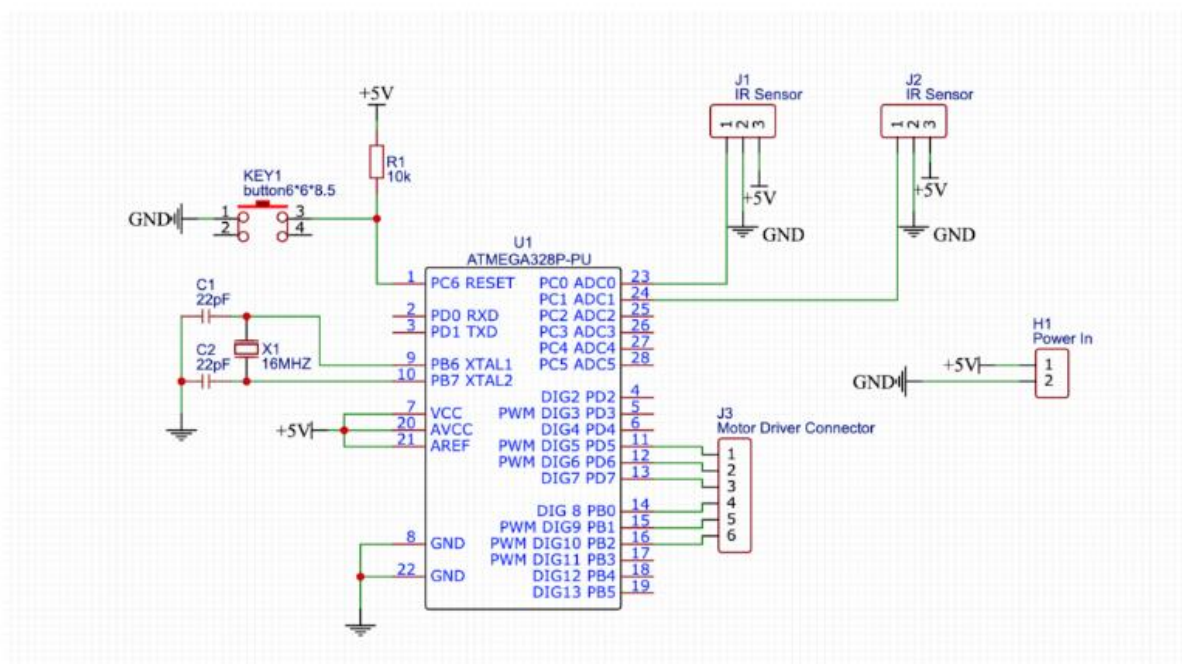


Arduino Line Follower Robot Car with Arduino Report by hakimi

Intro:

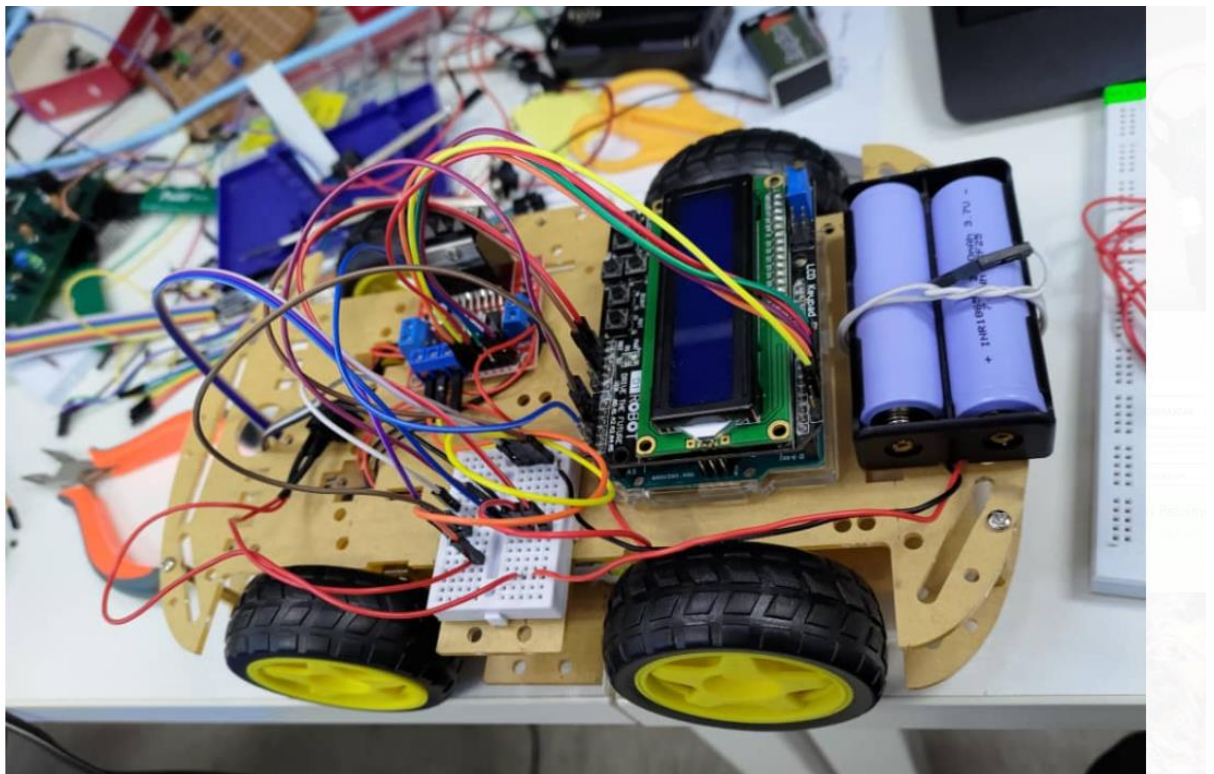
- Item and component list:
 - Arduino Uno
 - Jumper Wire Male to Female/ male to male
 - Battery 3.7V x2
 - Battery holder
 - L298N motor driver
 - LCD Keypad Shield
 - Switch
 - Small breadboard
 - Tire
 - 4x DC motor
 - Car Body + Structure
 - IR line Sensor

- Circuit Diagram for pin connection references:



- Pin Connection from Arduino to motor driver l298N
 - ENA -> D3
 - IN1 -> D2
 - IN2 -> D12
 - IN4 -> A5
 - ENB -> D11
 - IN3 -> 13
- IR sensor connection:
 - Right sensor -> A1
 - Left sensor -> A2
- Switch:
 - Connect to motor driver 12V
 - The other connect to battery 3.7V Vcc part.
- Arduino code:

https://github.com/akimaziz/robot-car/blob/main/car_model_scroll.ino
- Overview :



- Video , Result:

<https://github.com/akimaziz/robot-car/blob/main/Robot%20Car%20video%20by%20hakimi.mp4>