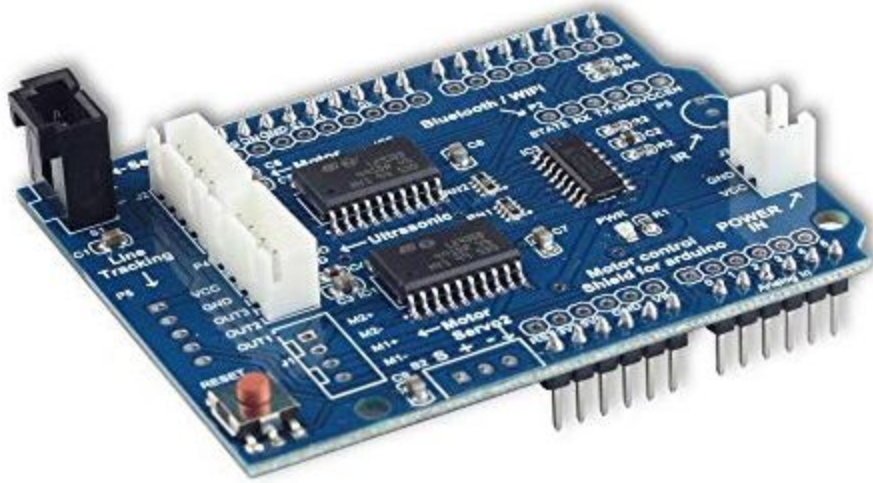


Arduino Car Functionalities

Robotics 360

Objective

Build a mini car (like in Class 1) where the car runs till it senses an obstacle, and then moves accordingly



Arduino Shield

It is a special electronic circuit board , that can fit on top of a Arduino UNO Board

It has pre-designed pin to connect with

- Ultrasonic Sensor
- Servo Motor
- DC Motor

Components needed

DC Motors (20 to 200 RPM)



Other components from previous weeks :



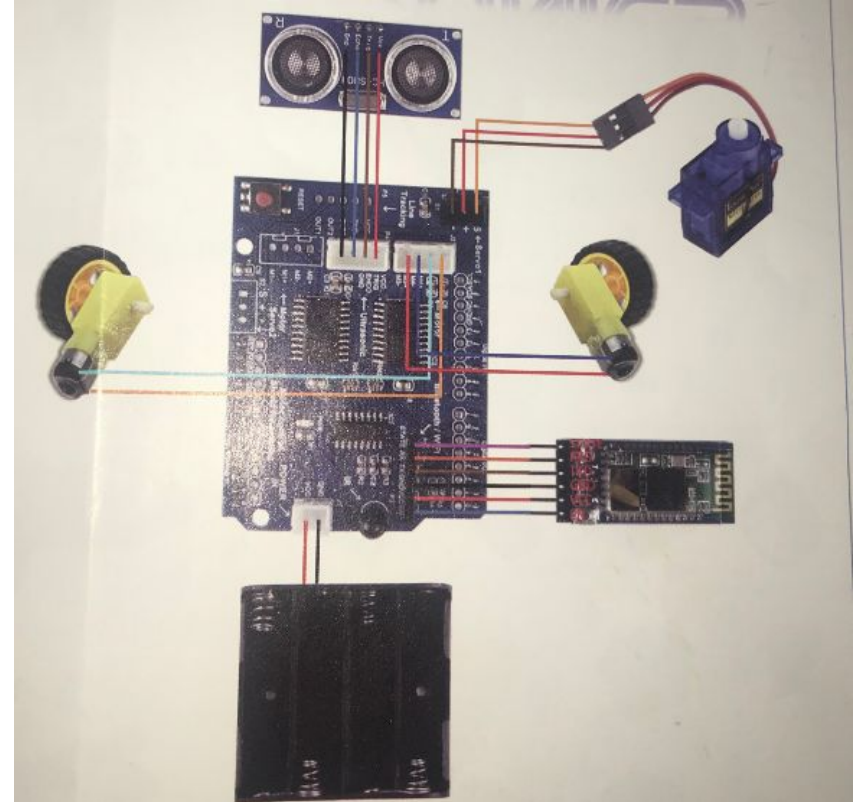
Ultrasonic Distance Sensor



Micro Servo Motor 9G

Arduino Car - Design

Follow the demonstration!



Arduino Car - Programming

Create an extra variable: distance
(this is a replacement of the
sensor's distance variable)

This program keeps the car
running till the sensor senses
something within 15 cm, then it
stops.

