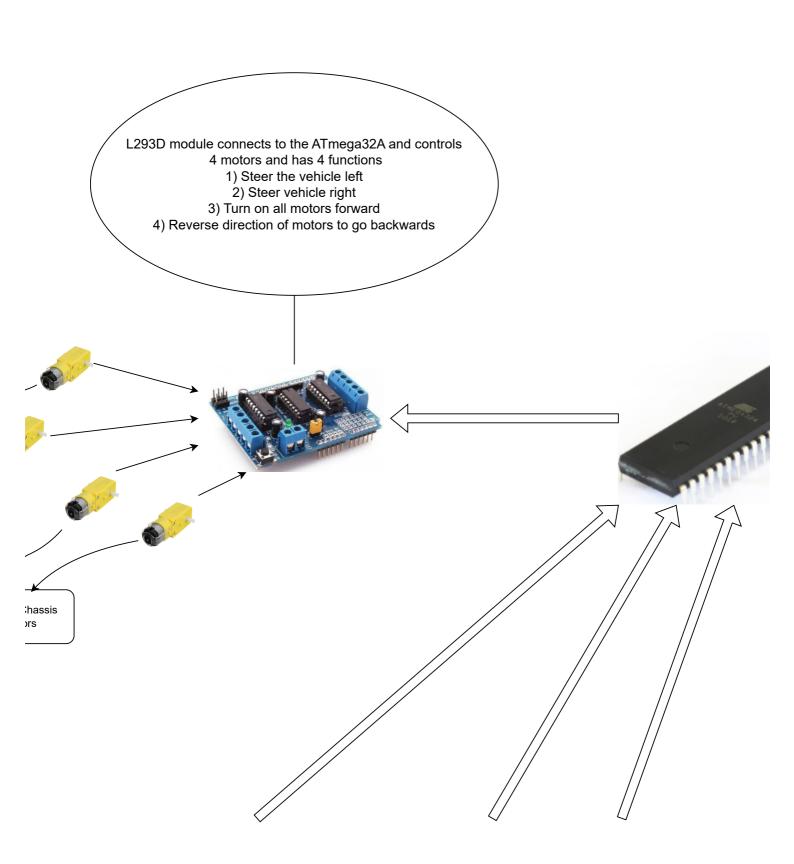
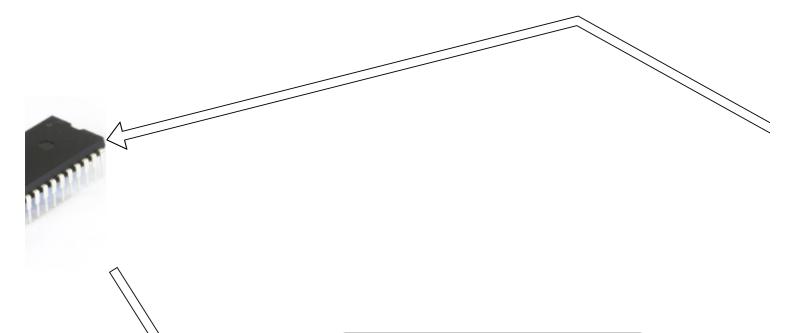




Autonomous Vehicle (AMIT Di



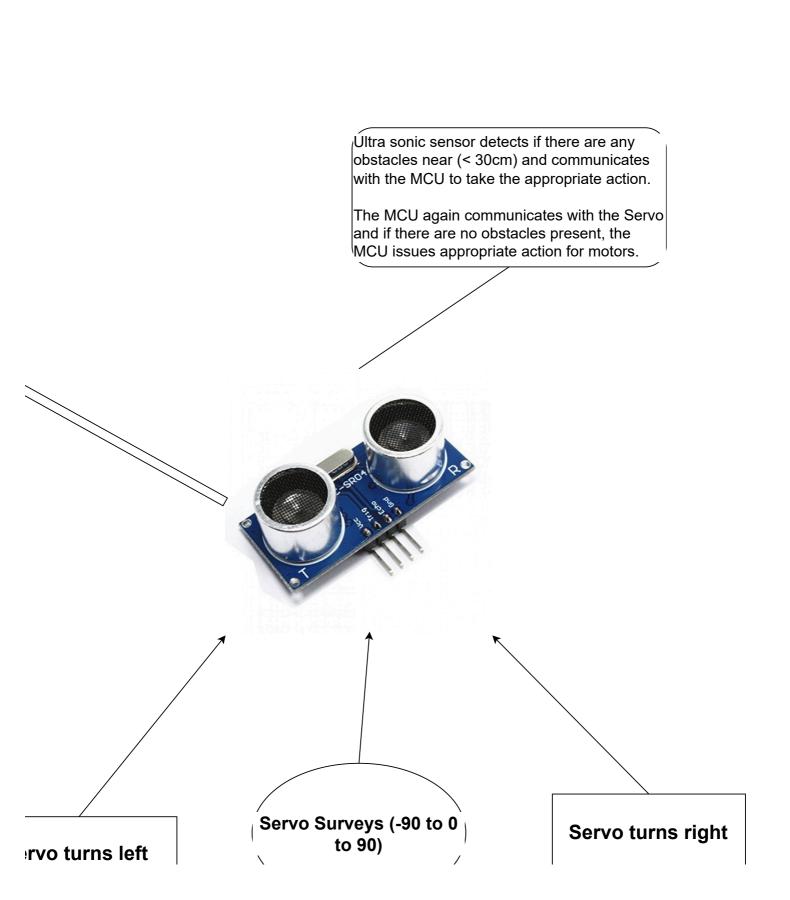
iploma Graduation Project)

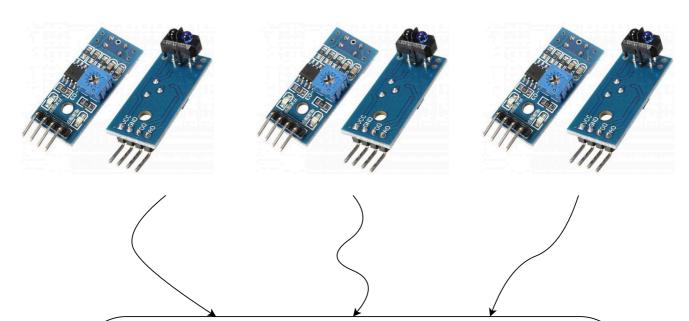


Microntroller sends the servo, one of three possible functions:

- 1) Turn head left
- 2) Turn head right
- 3) Slowly survey the area (-90 to 90) degrees

Depending on response of HC-SR04 sensor, we may send more than one function





Three TCRT5000 tracking modules are installed at the bottom of the Car Chassis.

MCU checks each of the three values constantly in order to maintain balance value at the middle sensor, if there is any variation.

If Left sensor is 1 then the car steers right.

if Right sensor is 1 then the car steers left.

if the center sensor is on 0, then the car is going in the right direction and is following the line.



