

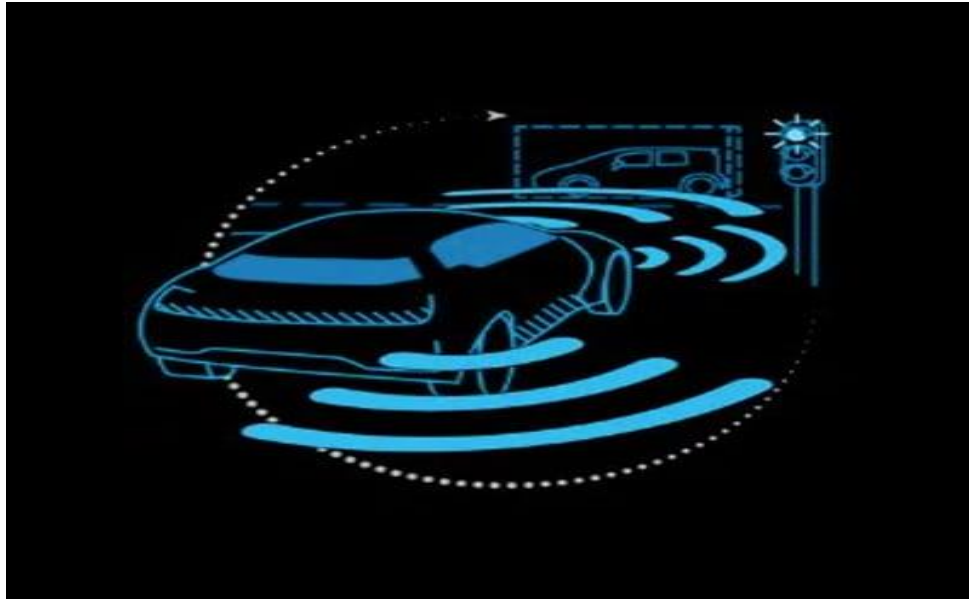
Autonomous Car

Made by:

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Autonomous Car



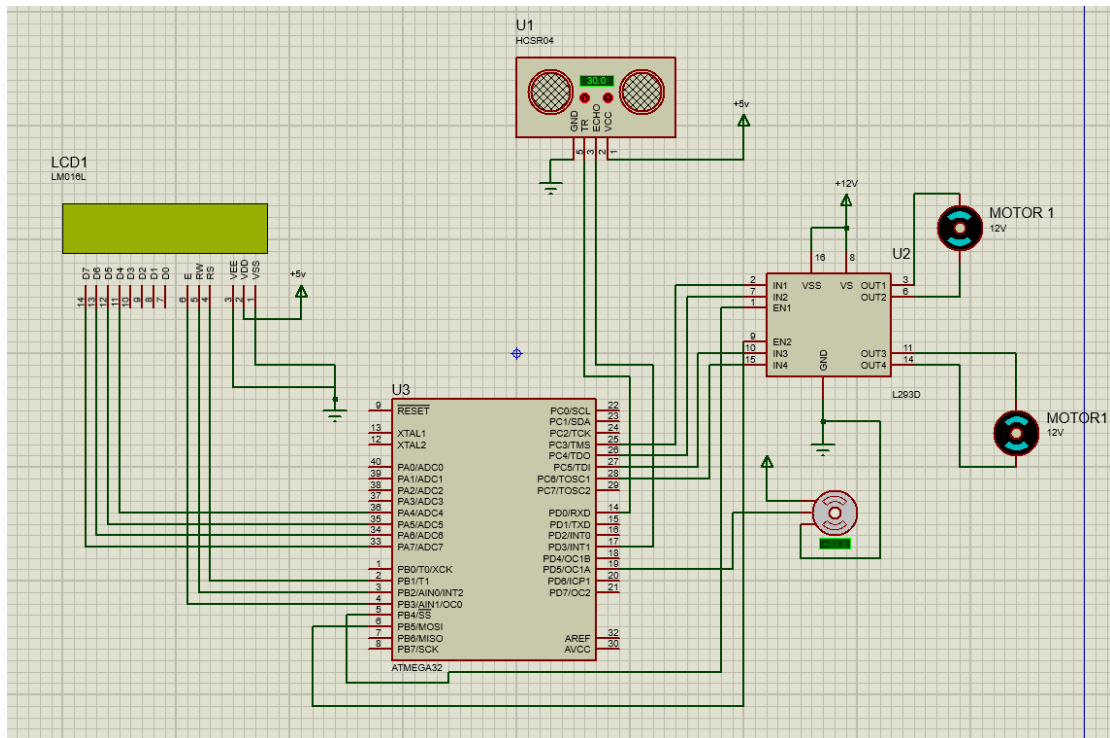
System Description

- This project aims to implement a self-driving Car that can avoid the obstacles with fast response.

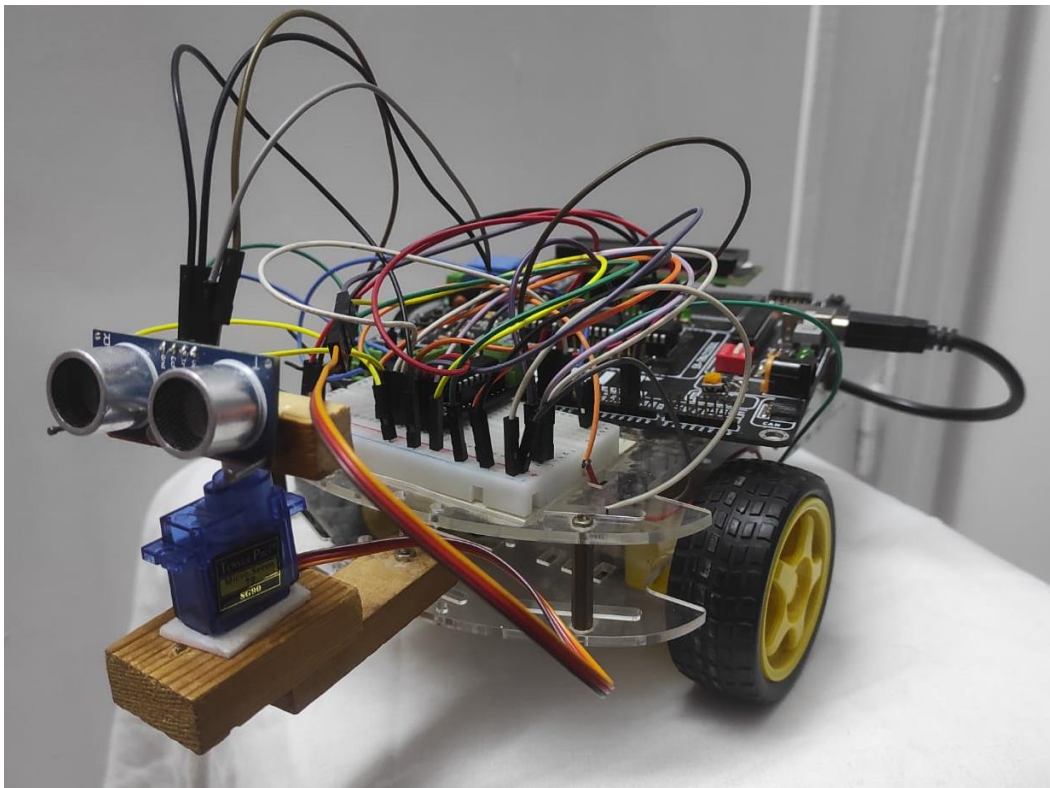
System Design

- **The system hardware is designed of**
 - Microcontroller in this case (Atmega 32A)
 - **Used peripherals**
 1. Timers
 2. Interrupt (internal, external)
 - Ultrasonic sensor (HCSR04)
 - Two DC motors
 - Lcd (LM016L)
 - Servo motor (SG90)
 - H bridge (L293D)
 - Power bank to charge the microcontroller
 - Lithium batteries to charge the motors

Proteus simulation:



Hardware Implantation:



System Flowchart

