

# **Autonomous Car**

**Made by:**

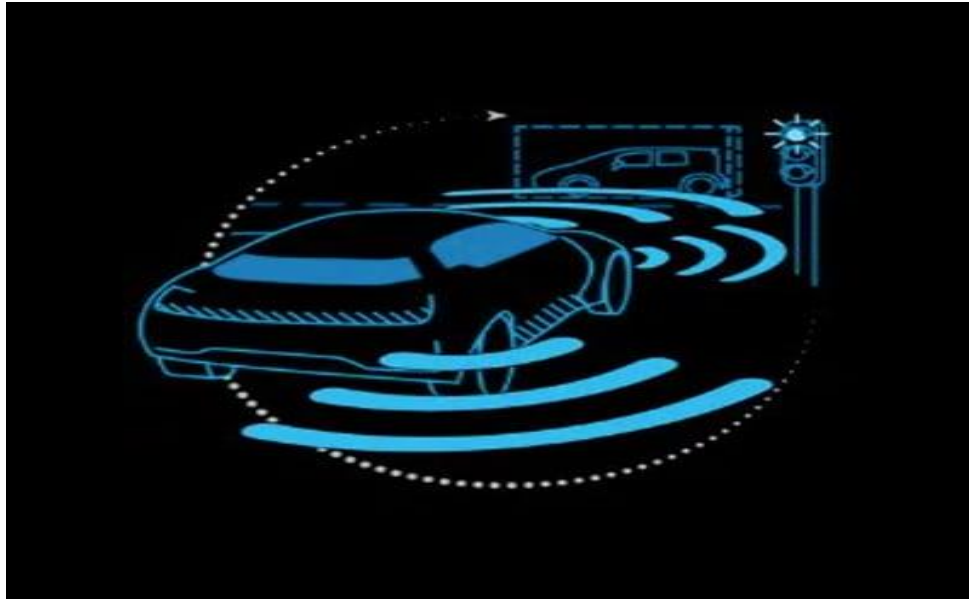
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# Autonomous Car



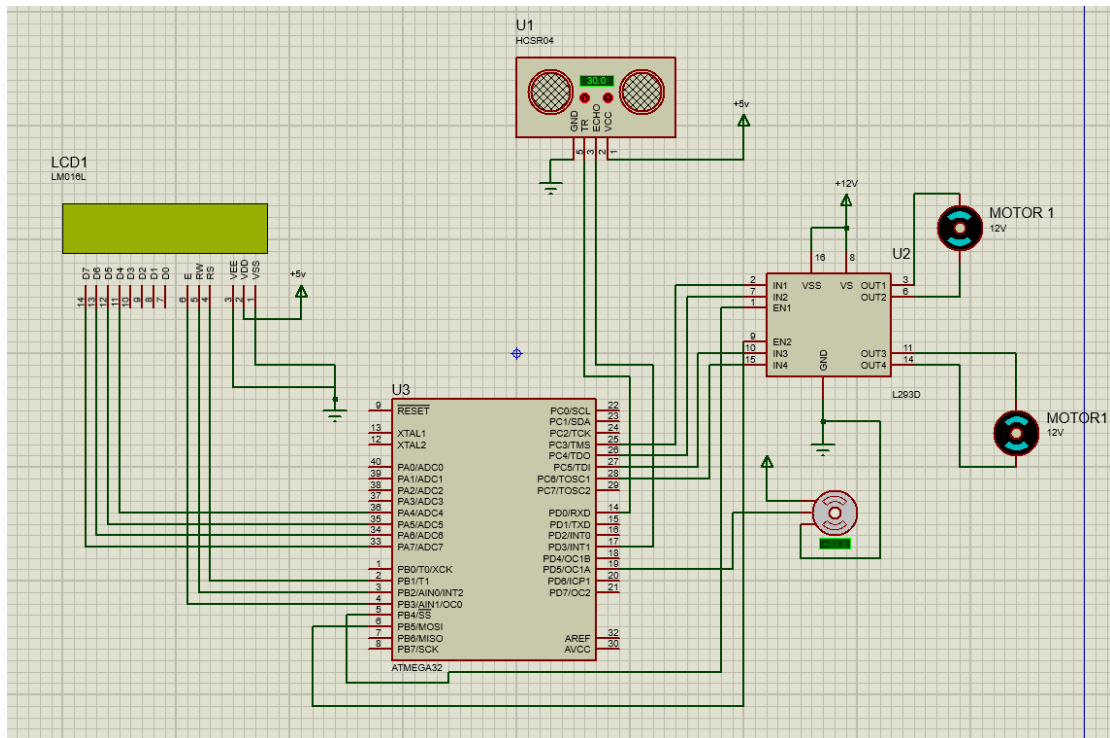
## System Description

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

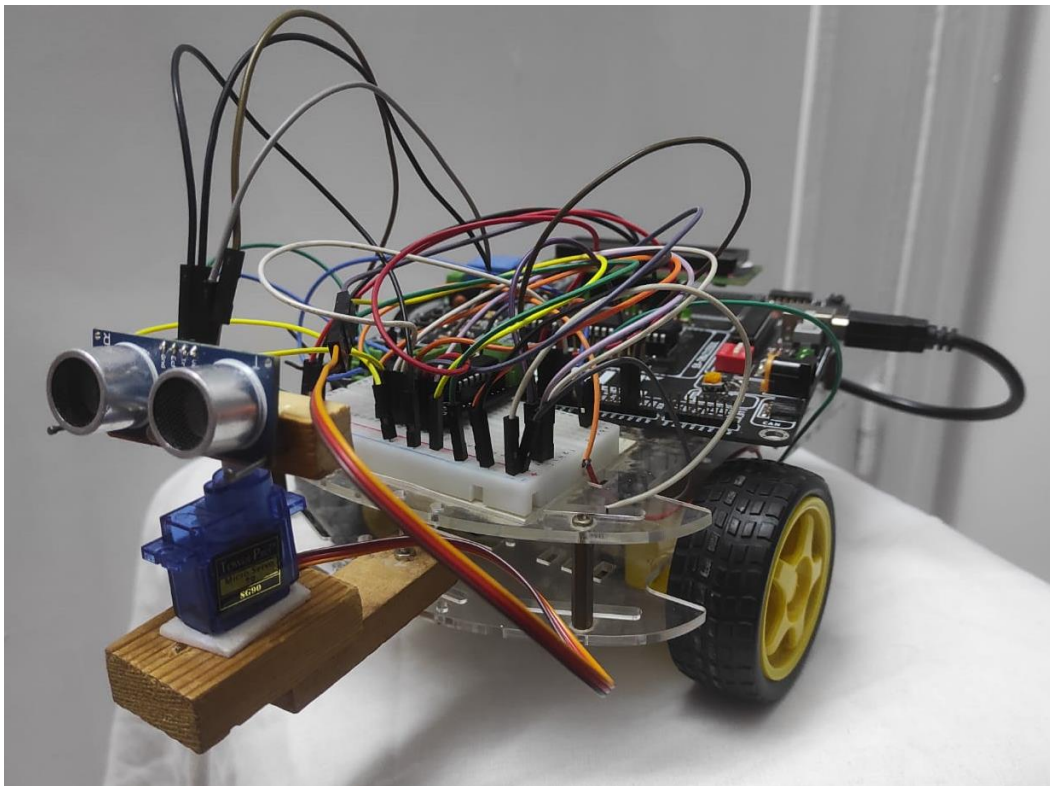
## System Design

- **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

