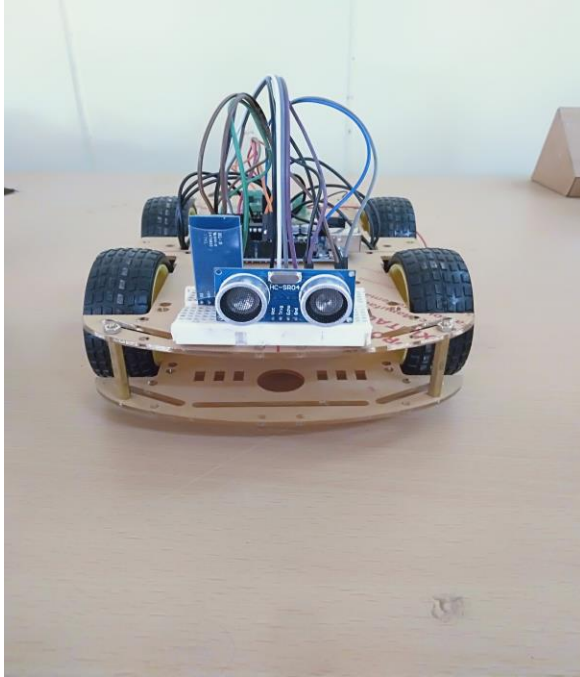


AUTONOMOUS CAR



DESCRIPTION:

We will build a vehicular robot which takes commands from the instructor through Google Assistant, works accordingly. It performs all the functions that a basic automobile does.

It detects the destination based on color, for this we have used a couple of color sensors, Each destination has its color which differs from the other. Whenever a destination is called the robot moves towards the destination and stops when it detects the color.

COMPONENTS USED :

- 1 Arduino UNO
- 2 Ultrasonic sensors - 3
- 3 IR Sensors - 3
- 4 Motor driver(L293D)
- 5 DC motors – 200rpm
- 6 Robot chasis
- 7 Wheels - 4
- 8 Jumper wires
- 9 Batteries (5V 2A)
- 10 Breadboard
- 11 Thermocol sheets
- 12 Bluetooth module
- 13 Dumping cable

Application:

- > Self driving cars
- > Voice commanded automobiles

