Aurdino obstacle avoiding car

Obstacle Avoiding Robot is an intelligent device which can automatically sense the obstacle in front of it and avoid them by turning itself in another direction. This design allows the robot to navigate in unknown environment by avoiding collisions, which is a primary requirement for any autonomous mobile robot. The application of Obstacle Avoiding robot is not limited and it is used in most of the military organization now which helps carry out many risky jobs that cannot be done by any soldiers.

Sent Pulse

Echo Time Pulse

Trig

Echo

Vdd

Vss

Object

MOTOR 1

MOTOR 4

MOTOR DRIVER SHIELD

ULTASONIC SENSOR

4.000

HC-SR04

SERVO

SERVO MOTOR

MOTOR 2

SWITCH

BATTERY

9V

MOTOR 3