

## ABSTRACT:

With the development of innovation in term of speed and particularity, the robotization of mechanical framework comes into the real world. In this paper an impediment recognition robot framework clarified for various purposes and applications. The ultrasonic and infrared sensors are realized to recognize obstructions on the robot's way by bestowing signs to and interfaced microcontroller. We proposed a robot that avoids the obstacle which comes in its path this robot is introduced because in many of the industries we have seen that many heavy components which they have to move for one place to another place which is not possible without the help of machines. With this we got idea and we introduce the robot named as Obstacle avoidance robot using Arduino. The function in which the obstacle avoider used for the reach of automation in cars without the driver. The mechanism uses for the first step of the automation.