Abstract

Now-a-days the world is optimizing and is becoming more precise by switching from the world of personal computers to laptops to android phones. Human is moving and is accepting compact technologies so that, the gap between personages and the machines is being reduced to ease the standard of living. The purpose of this project is to design and implement a compound robot. The compound robot will be able to move in four directions (left, right, forward, backward) and will detect the distance of the obstacle from the robot on the android app. The main intent of this project is to design and bring about a robot prototype by using Arduino Uno, Motor Driver L293D, HC05- Bluetooth module and to procure the goal of this project, to gain knowledge about Ultrasonic sensor HCSR-04, reconcilable software and controlled motor circuit need to be determined. The robot will have several characteristics like continuous display of distance from the obstacle on the app, easy handling of a robot with the help of an app rather than any remote controller.

Index Terms
Computer Science
Artificial Intelligence

Keywords
Smart phones, Bluetooth, Android OS, Robot, Motor.