

Bluetooth Controlling Robot :-

Abstract :

Robot is a reprogrammable, multifunctional device which is primarily designed to do work like human such as pick and place, loading and unloading, surveillance, health care, industrial, aerospace application. The robot can move forward, backward, left, and right and can also be stopped. The Arduino's Bluetooth-controlled robot car is interfaced with a Bluetooth module HC-05. Arduino Bluetooth Control is an application that allows you to control your arduino board (and similar boards) via Bluetooth.

Keywords:

Arduino board

HC-05 Bluetooth module

Motor Driver (L293d)

Wheels, Chasis kit

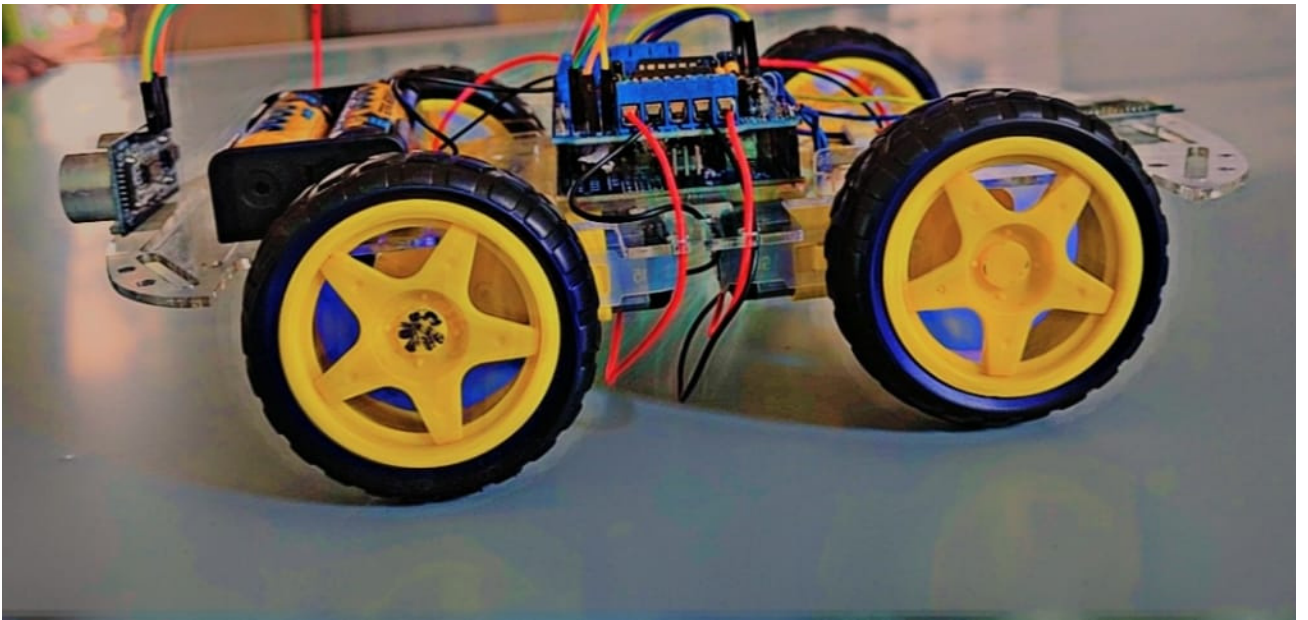
bluetooth controlling app in android

connecting wires

Procedure:

Solder each motor with a black and a red wire and attach them with the chassis. Connect the wires to the motors. Connect the batteries in series by joining with a tape. You can also keep a little piece of open wire between them so that they are well connected. Now join red wire to positive terminal of battery and black wire to negative terminal. Try to keep the voltage ≤ 9 volts. I used 2 batteries of 3.7 V so my total pack voltage was 7.4 volts. If you use to high voltage (like ≥ 12 volts , there is a chance that your components will get heated and might burn). Connect the bluetooth module to the motor. And set the pins clearly. Write a code and write instructions compile and upload.





Result:

Robots are able to carry out tasks in hazardous environments such as the inside of a nuclear power plant or deep underwater. They can also shield humans from dangerous situations by working alongside us, such as flying planes or driving cars.