

-project name : mobicar project

-the purpose:

-in our project we want to develop a Mobile Controlled Car. The car allow easy driving with obstacles avoidance, accurate movement, line tracking.

-project contants:

*our project contants from 2 steps:

. Easy Driving Application:

-Our purpose that user can control car movement (in all directions) using mobile

<using bluetooth module> .

And the car should be able to avoid obstacles <using ultrasonic>.

ii. Line Tracking Application:

-our purpose that can follow the line when it placed over the track

<using line follow sensor>

-First step in details:

we use : arduino uno - motor driver - bluetooth module - body of car - 3 battraies -

ultrasonic

-at first time : we connect motor driver with motors of the car body and connect it with
module
to
with arduino ,and supply all circuit with batteries . after many tries
make sure our code and our connections , we use a bluetooth
app
to control the car to make sure that it can move in all direction
according
the app .

--this picture shows the all connections:

-at second time : we made sure that the previous step was Successful .and
continue our connections , connect the ultra sonic with arduino
and try to move a car , at this time we faced our first **problem**
which was that we find two wheel move but the other don't
move
we think that was the mistake in code ,we check it step by step
to discover the mistake.but we found that the code is completely
correct and discovered that problem happen when we connect all
component with each other ,so we found out that problem of
supply
so we recharged our batteries and try again ,we found out this
problem
disappear.

--this link of the video of the car motion with avoid obstacles:

https://drive.google.com/folderview?id=14SdS284a--CmgsWrzYH-oOBZbFa_0wmK

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