**Automatic travelling robot.**

It is an automation which is work itself for travel all place(inside the boundary). and i was made it for my self training knowledge between the automation. it is have an freedom in itself to work /run. No need to turn it by remote or wire connection. Because it had automation programming in it self. So if it detect the distance , it will calculate the turning point and automatically turn in the accurate path.

**Things to make robot.....!**

* Arduino Board
* Motor Driver
* Distance mesure sensor 03.
* 24V Battery
* Data cable for arduino
* Chesse with screw.
* 04 Wheels
* Jumber Wires.
* switch
* Buzzar

How it is work......

It was work by distance measure sensor to get the distance between the robot and wall/opposite , and calculate it and according to the value(between 5cm – 10cm) it will decide to turn or not.

It will take the double side of values ( value\_left & value\_right ). and calculate thoes values and take decision to “which side will go” .

**Turning decisions.......**

If the reading.... (Mention about if value<10cm )

* value\_left > value\_right

The robot will take **turn left** and go. [ **stop Left** side wheels and **work with Right** wheels ]

* value\_left < value\_right

The robot will take **turn right** and go. [ **stop Right** side wheels and **work with Left** wheels ]

* value\_left = value\_right

Go **stright 3cm and loop the program.**

* value\_left && value\_right < 5 cm

Take **reverse and loop the program.**

**Usage from this robot.**

* Automation Vehicle manufacture.
* Local home made self serving system.
* Playable by the kids.
* Monitoring the small whole places where cant human go...!

[ set the camera to the robot and monitor.]

**Follow these tips for Make it successfully........!**

Solve the Error

Upload the Code

Get Tools

04

06

05

03

02

01

Plan & Code

Make Robot

Chek & find Error