

# MOVING DUSTBIN

TEAM MEMBERS	GITHUB LINKS
Ankooori Shivaram	<a href="https://github.com/Shivaram0800/Moving_Dustbin">https://github.com/Shivaram0800/Moving_Dustbin</a>
Karala Manoj Kamal	<a href="https://github.com/manoj050/Moving-Dustbin/blob/main/movingdustbin.ino">https://github.com/manoj050/Moving-Dustbin/blob/main/movingdustbin.ino</a>
Chakka Sumanth	<a href="https://github.com/sumanth0912/Moving-Dustbin">https://github.com/sumanth0912/Moving-Dustbin</a>
Talisala Rupavardhan	<a href="https://github.com/VardhanTalasila/Moving-Dustbin">https://github.com/VardhanTalasila/Moving-Dustbin</a>
Reshma	
Golajapu Manasa	<a href="https://github.com/GaganaManasa11/Moving-Dustbin.git">https://github.com/GaganaManasa11/Moving-Dustbin.git</a>
Dudigam Mounika	
Kotamraju Tejaswini	<a href="https://github.com/Teju0004/Moving-Dustbin.git">https://github.com/Teju0004/Moving-Dustbin.git</a>

## DESCRIPTION:

This bot is able to follow a certain path and avoid obstacles in the path and reach the destination and can also be stopped at certain required positions with given delay to be able to carry any unwanted stuff and then continue following the path.

The moving bot model is designed using Arduino UNO board and L293d Motor Driver which is used to run four motors used for moving. Two IR Sensors are placed on the front side which detects the path for movement and with the help of an ultrasonic sensor, obstacles are detected and with the dustbin placed on the moving bot model, we can use the bot as a moving dustbin.

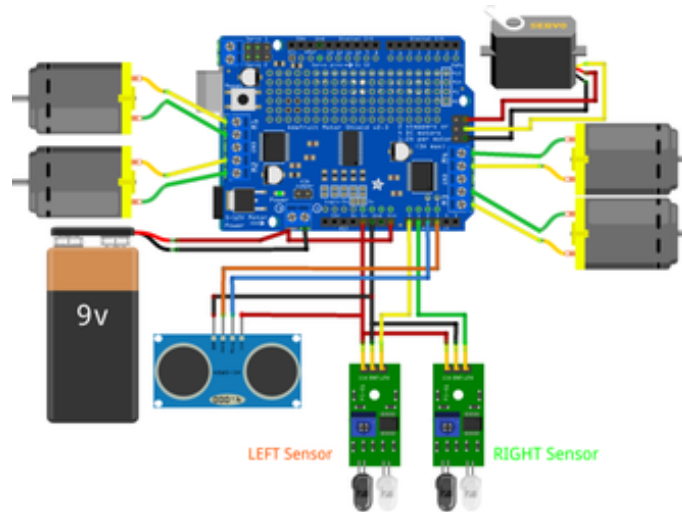
## REQUIREMENTS:

- Arduino UNO
- Ultrasonic sensor
- 2 x IR sensors
- servo motor SG90
- 4 x Bo motor with wheels
- Li-ion Batteries
- Jumper wires

**IDE Used:** Arduino IDE

**Languages Used:** Arduino C++

**Circuit Diagram:**



**Model:**



**PROJECT STATUS:**

Completed