

Fire Fighting Car & Alert System



(TEAM LEADER)

FAYSAL MAHMUD

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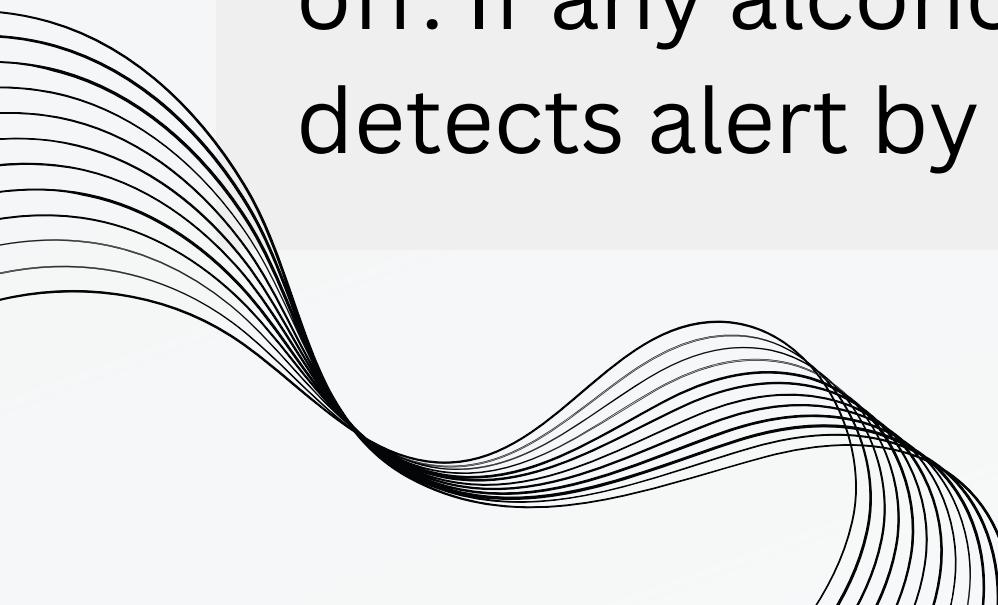
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INTRODUCTION

The working concept of Fire Fighting Car & Alert System. The main brain of this project is the Arduino. Using the fire sensor module(flame sensor) to detect fire. Placing three sensors in three directions (left, right, middle). And moves in this direction by using two motors. Spray the water with a water pump and wipe the water left and right. If the fire is off the system movement turns off. If any alcohol and smoke detection sensor and if detects alert by a buzzer speaker.



MOTIVATION

Making this system a unique and effective solution for fire safety.
The project can successfully find fire and reach it without running into obstacle

why difference.?

- **Early Detection**
- **Automatic Response**
- **Targeted Spraying**
- **Alerts**
- **Smoke and Alcohol Detection**

This system is special because it does all these things to keep people safe from fires in a better way.

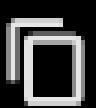
Fire_Fighting_Car_project_test_demo_1

 Faysal Mahmud



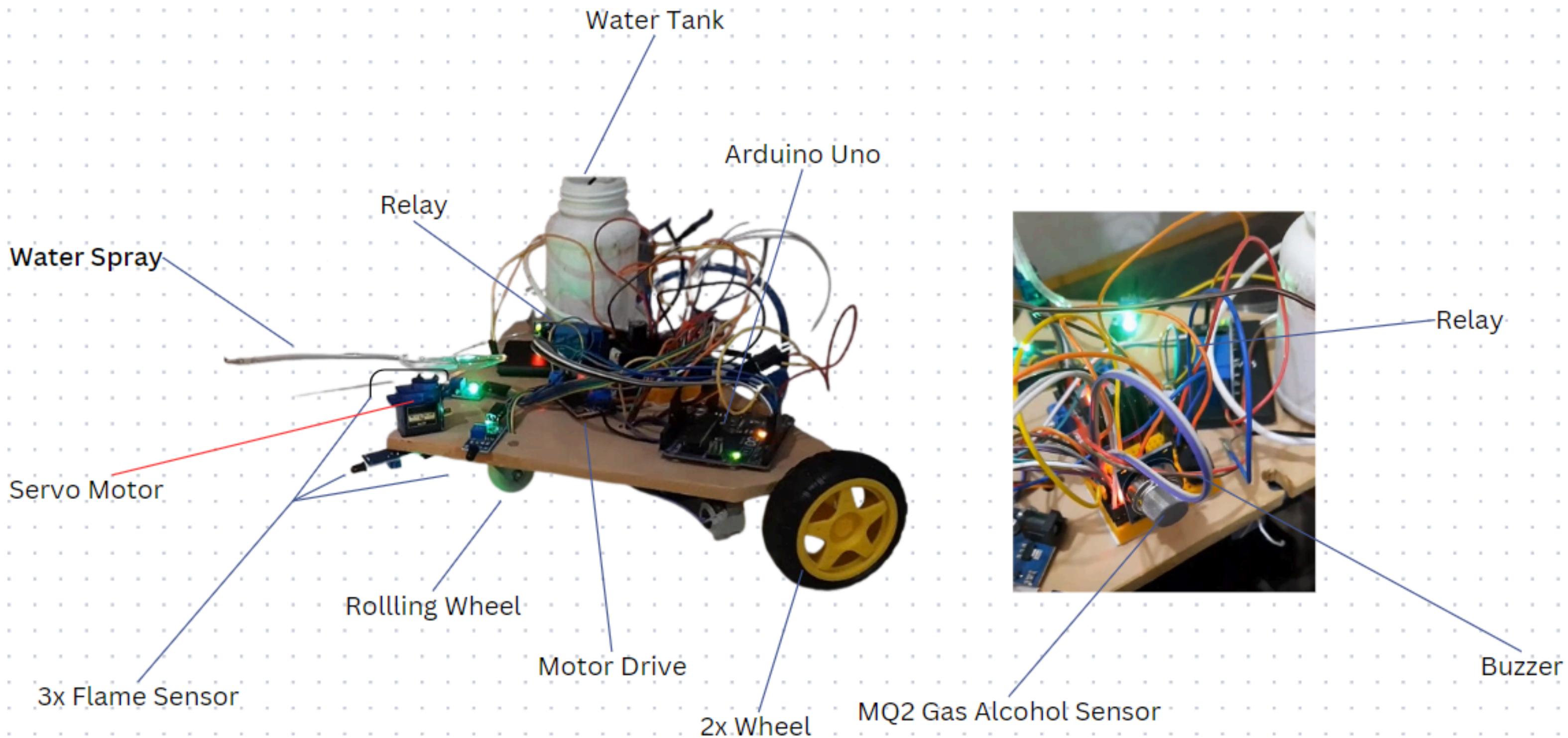
Fire_Fighting_Car_project_test_demo_2

Watch on  YouTube



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RELEVANT FIGURES AND OTHERS



servo motor



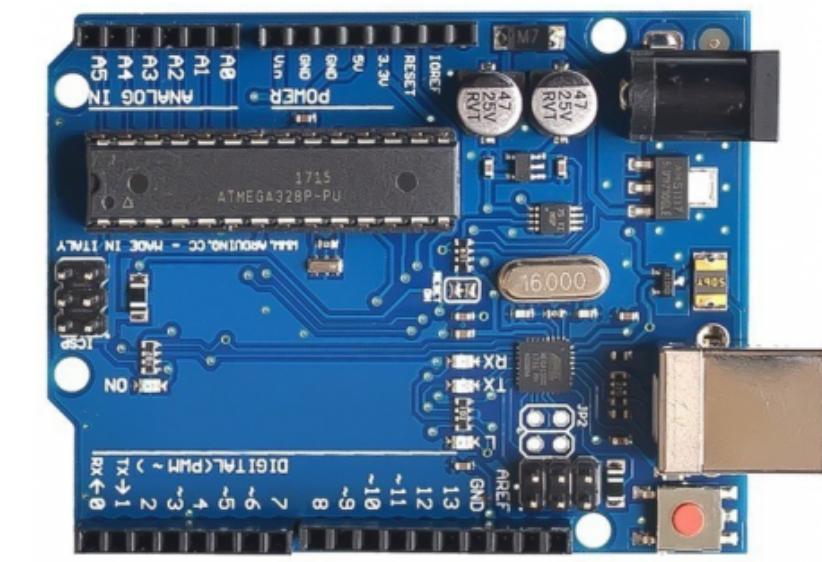
left

middle

right



mq2



arduino

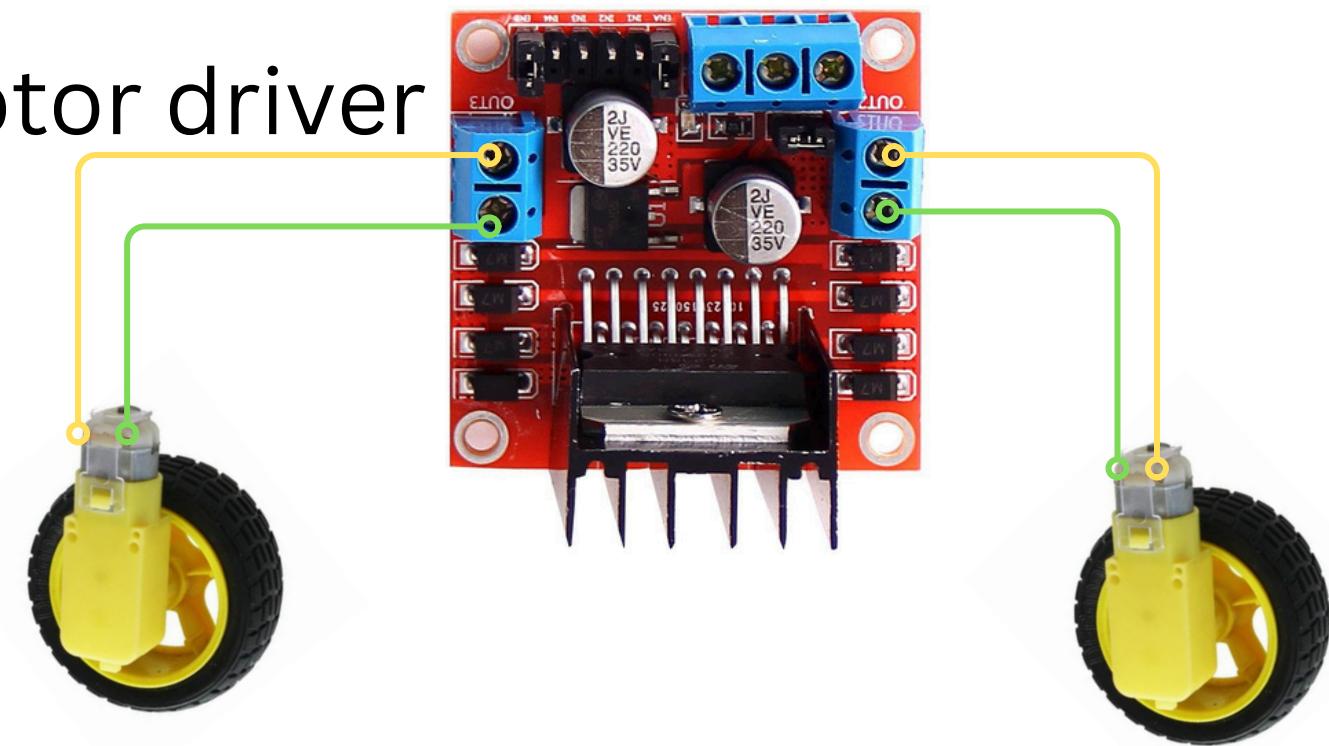


relay



water pump

motor driver



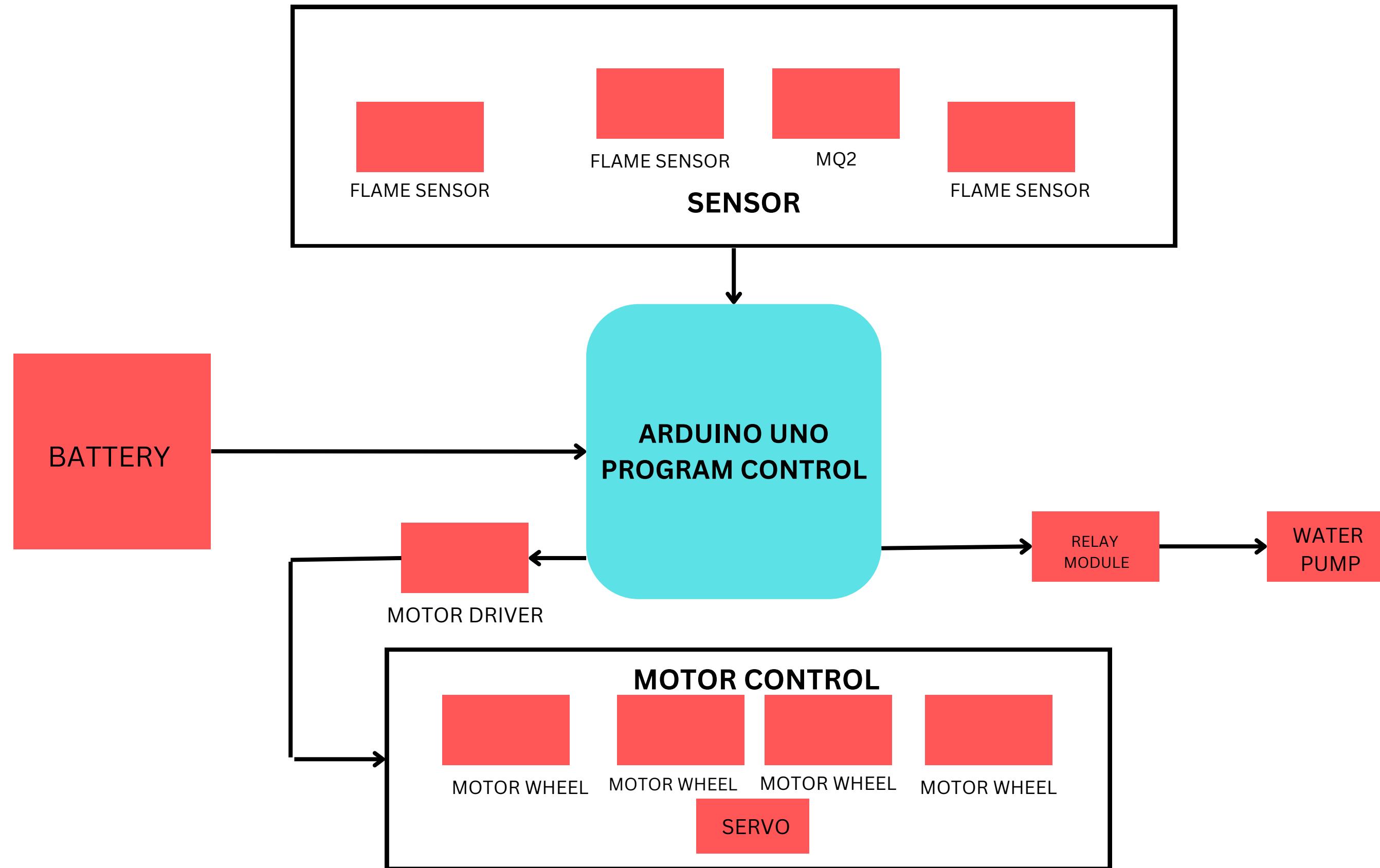
wheel



battery

wheel

RELEVANT FIGURES AND OTHERS

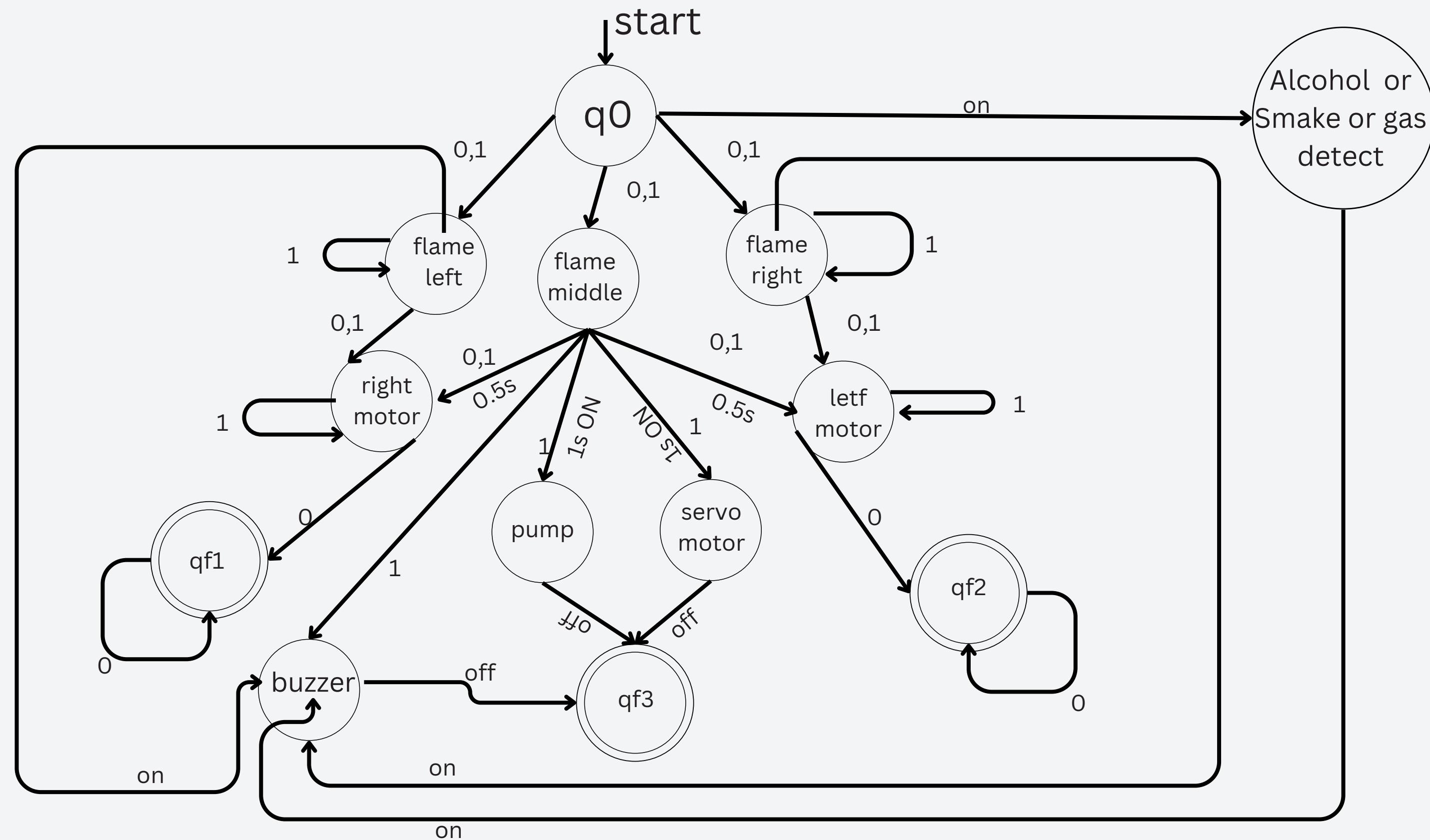


SYSTEM DESCRIPTION

Working concept of Fire Fighting Car & Alert System.

The main brain of this project is the **Arduino**. Using the fire sensor module(**flame sensor**).Placing three sensors in three directions (left, right, middle). And moves these directions by using **motors**. Spray the water with a **water pump** and wipe the water left and right with a **servo motor**.If the fire is off the system movement turns off.If any alcohol and smoke detection(**MQ2**) sensor and if detects alert by a **buzzer** speaker.

SYSTEM DESIGN (NFA)



CONCLUSION & REFERENCE

Conclusion:

Making this system a unique and effective solution for fire safety. The project can successfully find fire and reach it without running into obstacle

Reference:

Include any resources, books, articles, or online sources used for designing the system.



**THANK'S FOR
WATCHING**