Flame Detection & Response in Robocar

CSEL-395 Internet of Things
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Apparatus

- Arduino UNO
- DC Motors
- L298N Motor Driver Module (H - Bridge)
- IR Flame Sensors
- Jumping Wires

Description

- 12V is given to H - Bridge.
- H-bridge is passing 5V to Arduino UNO.
- Programmable Code is running in Arduino UNO.
- 4 pins of Arduino are connected with H - Bridge for controlling DC Motors.
- DC motors are directly connected to H - Bridge.
- 3 IR Flame sensors in different directions left, right, and front are connected to the Arduino which detect fire.
- Pending upon the output of the sensor that from which sensor we are getting output, the car moves in that direction.

Source Code

- GitHub - Flame Sensing Robocar

Demo

- Youtube - Flame Detection & Response in Robocar (6:05 - 6:49)