

GAREE Inc. Project To Smell Odors using an Arduino



Create Odor/Smells Detector

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GAREE Inc

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Conceptual Overview

To create & implement a gas sensor device connected to an [entry-level Arduino circuit board](#) programmed to make output readings that documents various odors/smells. GAREE Inc. is located in Seneca Falls, NY several miles from the [largest “mega-dump” on the east coast of United States](#) -- every week, over 6000 tons of solid waste is transported/buried in the western part of the Town of Seneca Falls. Coincidentally Seneca Falls, NY is where the [Women’s Rights National Historical Park](#) is located. The project will be capable of detecting methane gas, hydrogen sulfide and/or ammonia emissions.

Plan

1. Obtain project components
2. Setup project hardware/infrastructure (Arduino, etc.)
3. Create & implement programmed solution using [Arduino IDE](#)
4. Run program to display “gasAway” results

Deliverable Specifications

- [List of Odor/Smells Detector project components](#)
- [Setup project hardware/infrastructure \(Arduino, etc.\)](#)
- [Create & implement programmed solution using Arduino IDE](#)

Type the following program into the Arduino IDE interface:

```
//this outputs potentiometer value to screen in ohms

int gasAway = 0; // select input pin for gasAway detector
int val = 0; // variable to store the value coming from the sensor

void setup() {
  Serial.begin(9600);
}

void loop() {
  val = analogRead(gasAway); // read the value from the pot
  Serial.println( val );
}
```

```
delay(100);  
}
```

- [Run program to display "gasAway" results](#)

Contact Info:

Please contact John on Twitter @JCGaree for custom software solutions, including integration of "Internet of Things" application solutions utilizing javascript, C++, polymer, angular

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