**LPG GAS DETECTION USING ARDUINO UNO:-**

**TEAM MEMBERS:-**

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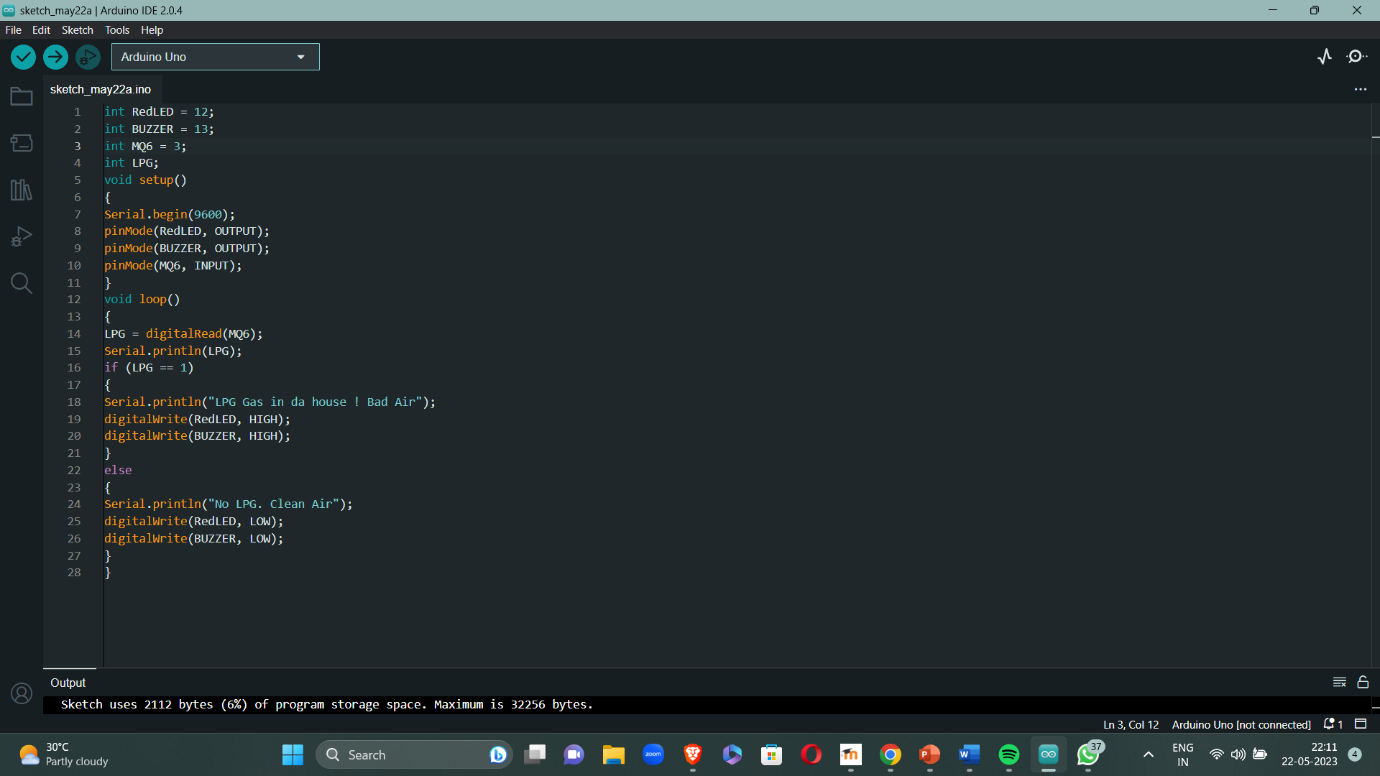
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COMPONENTS:-

* ARDUINO UNO BOARD
* BREAD BOARD
* BUZZER
* LED LIGHT
* MQ-6 SENSOR
* 220 OHM RESISTOR
* JUMPER WIRES

PROJECT CODE:-



DESCRIPTION:-

* The first step is to connect the Arduino uno to the bread board and wire it up with the MQ-6 sensor.we will also need to connect the LED’S and buzzer to the bread board .
* Once all the components are wired up ,we can begin the programming .The Arduino UNO receives the signal from the MQ-6 sensor and performs accordingly.

This involves writing the code in AArduino IDE and uploading it to the microcontroller.

* The Arduino reads the state of the gas sensor pin and, based on the reading:

Activates the buzzer to produce an audible alarm sound.

Turns on the LED to provide a visual indication of the gas leakage.

If the gas sensor does not detect any gas, the Arduino keeps the buzzer and LED turned off.

* The user can observe the LED status to determine if there is an LPG gas leakage
* If the gas sensor does not detect any gas ,the Arduino uno keeps the buzzer and LED turned off.

IMAGES:-

