**BLOCK DIAGRAM:**

**LCD**

**MICROCONTROLLER**

**DHT11 SENSOR**

**WIFI MODULE**

**MQ135 GAS SENSOR**

**NOISE SENSOR**

**BUZZER**

**DUST SENSOR**

**POWER SUPPLY**

**ONLINE MONITORING**

**ONLINE MONITORING**

**HARDWARE REQUIREMENTS:**

* ESP 32
* SENSORS:

DHT11 SENSOR

DUST SENSOR

MQ135 SENSOR

NOISE SENSOR

* LCD WITH I2C MODULE
* POWER SUPPLY

**SOFTWARE & LANGUAGE REQUIREMENTS:**

* ARDUINO IDE - PROGRAMMING
* PROTEUS IDE – CIRCUIT DESIGN
* EMBEDDED C – MICROCONTROLLER PROGRAMMING LANGUAGE
* PHP – WEB SITE FRONT END LANGUAGE
* HTML - WEB SITE FRONT END LANGUAGE
* MYSQL – DATABASE – BACKEND LANGUAGE