AIR QUALITY MONITORING

Project Description:

1. Project Overview:

The Air Quality Monitoring System project aims to develop a comprehensive solution for monitoring and analyzing air quality in a specific location, such as a city, industrial area, or community.

2. Objectives:

The primary objectives of this project are:

To monitor key air quality parameters, including particulate matter (PM2.5 and PM10), volatile organic compounds (VOCs), carbon monoxide (CO), nitrogen dioxide (NO2), sulfur dioxide (SO2), and ozone (O3).

To provide real-time data on air quality, making it accessible to local authorities, researchers, and the public.

To create an alert system that notifies users when air quality falls below acceptable levels.

3.Main Components:

* VOC SENSOR
* ARDUINO OR RASPBERRY PI
* ESP8266

4.User Interface:

Web and mobile applications for users to access real-time and historical air quality data.

5.Block diagram:

