9512 JP COLLEGE OF ENGINEERING

AIR QUALITY MONITORING SYSTEM

Proj_211935_ TEAM_1

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PHASE:1(Problem Definition and Design Thinking)

PROBLEM STATEMENT:

Air pollution is one of environmental issues that cannot be ignored.Inhaling pollutants for long time causes damages in human health.Traditional air quality monitoring methods ,such as building air quality monitoring stations ,are typically expensive.This project is suitable for air and display it in the form of percentage.Sense how much carbon monoxide (CO) is present in air and display in the form of percentage.Sense the temperature and display it in degree celcius

DESIGN OF TEST CASES AND SCENARIOS :

TC_1. : Pollution sensor is detected

These sensors are devices that monitors the presence of air pollution at a particular area

TC_2: Pollution sensor is not detected

These sensors are devices that monitors the presence of air pollution at a particular area.

TC_3: Temperature sensor

Here LM35 sensor is used as temperature sensor .A sensor is a device that measures a physical quantity and converts it into a signal which can be ready by an observer

CONCLUSION

The smart way to monitor environment and air as well as sound pollution being ablow cost but efficient and embedded system is present in the paper .The noise and air pollution monitoring system was tested for monitoring the gas levels on different parts of the country.Our project device showed that it is effective and cheap and with some highly working sensors it can really be reliable to next generation