

Air Pollution Monitoring System Using Arduino

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Arduino based Air pollution system is presented. Air pollution monitoring is old but very useful concept in day to day life. The level of air pollution has increased with times by lot of factors like the increase in population, industrialization, increased vehicle use and urbanization. Air pollution will directly affecting health of population. However the fresh air is necessary for all human being. Actually air pollution monitoring started from early using traditional way but the most sophisticated computer has been used to monitor the air quality. However in this project I am going to make an IOT based air pollution system using Arduino this will monitor the air quality accurately. The main objectives of this project to develop low-cost and ubiquitous sensor networks to collect real time data of urban environment. This air pollution system is connected with internet and we can monitor the air quality over the web server using internet. The alarm also embedded with this system that will trigger when the air quality goes down beyond a certain level, this means there are sufficient amount of harmful gases are present in the air like CO₂, alcohol, and NH₃. It will display the air quality in PPM on the LCD display and as well as on webpage so that we can monitor it very easily. In this IOT project, you can monitor the pollution level from anywhere using your computer or mobile devices.

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