

Team ID: PNT2022TMID09849

Project name: Gas leakage monitoring and alerting system for industries using IOT

GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES USING IOT

1.1 SUMMARY:

This paper presents an gas leakage monitoring and alerting system for industries. The gas sensor(MQ-5) captured the information posted into the data cloud. The sensor detects the leakage of gas under most atmospheric conditions. The requirement of a gas detection not only to monitor continuously the surroundings but also to help prevent the gas leakage hence minimizing the chances of fire and damage.'

1.2.INTERNET OF THINGS (IOT) BASED GAS LEAKAGE MONITORING AND ALERTING SYSTEM WITH MQ-2 SENSOR

This paper choice of using a real time gas leakage monitoring and sensing the output levels of gas has been clearly observed by the help of this system.

This article was published in 2017 and the authors of this article are Rohan Chandra Pandey, Manish Verma, Lumesh Kumar Sahu.

1.3.GAS LEAKAGE DETECTION AND SMART ALERTING AND PREDICTION USING IOT

The proposed gas leakage detector is promising in the field of safety.

This article was published in 2017 and the authors of this article are Asmita Varma, Prabhakar S, Kayalvizhi Jayavel.

1.4.IOT BASED GAS LEAKAGE DETECTION SYSTEM WITH DATABASE LOGGING, PREDICTION AND SMART ALERTING

The system provides constant monitoring and detection of gas leakage along with storage of data in database for predictions and analysis. The IOT components used helps in making the system much more cost effective in comparison with traditional gas detector systems.

This article was published in 2018 and the authors of this article are Chaitali Bagwe, Vidya Ghadi, Vinayshri Naik, Neha Kunte.

1.5.INTERNET OF THINGS (IOT) BASED GAS LEAKAGE MONITORING AND ALERTING SYSTEM WITH MQ-6 SENSOR

A discussion on how the aims and objectives are met is presented. An overall conclusion IOT based toxic gas detector is it has become more efficient, more applicable to today's applications and smarter.

This article was published in 2018 and the authors of this article are Rohan Chandra Pandey, Manish Verma, Lumesh Kumar Sahu, Saurabh Deshmukh.

1.6.GAS LEAKAGE DETECTION AND SMART ALERTING SYSTEM USING IOT

In this paper we use IOT technology for enhancing the existing safety safety standards. While making this prototype has been to bring a

revolution in the field of safety against the leakage of harmful and toxic gases.

This article was published in 2018 and the authors of this article are Shital Imade, Priyanka Rajmanes, Aishwarya Gavali.