V.S.B.ENGINEERING COLLEGE, KARUR

Department of Computer Science and Engineering

IBM NALAIYA THIRAN

LITERATURE SURVEY

TITLE : Gas Leakage Monitoring and Alerting System

TECHNOLOGY : INTERNET OF THINGS (IoT)

DOMAIN NAME : Safety

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ABSTRACT :

The Internet of things (IoT) is the system of gadgets, vehicles, and home machines that contain hardware, programming, actuators, and networks which enables these things to interface, collaborate and trade information. IoT includes broadening Internet network past standard device, for example, work areas, workstations, cell phones and tablets, to any scope of generally stupid or non-web empowered physical device and ordinary articles. Installed with innovation, these gadgets can convey and connect over the Internet, and they can be remotely observed and controlled. This project helps the industries in monitoring the emission of harmful gases. So that we can avoid emission of gases in several areas, the gas sensors will be integrated to monitor the gas leakage. If in any area gas leakage is detected the admins will be notified along with the location.In the web application, admins can view the sensor parameters.

INTRODUCTION :

The Internet of Things is a developing theme of specialized, social, and monetary centrality. Customer items, tough goods, cars and trucks, modern and utility segments, sensors, and other regular articles are being joined with Internet availability and amazing information systematic capacities that guarantee to change the manner in which we work, live, and play. The expansive scale usage of IoT gadgets guarantees to change numerous parts of the manner in which we live. For

shoppers, new IoT items like Internet-empowered machines, home mechanization parts, and vitality the executive’s gadgets are pushing us toward a dream of the "savvy home'', offering greater security and vitality effectiveness. The Internet of Things (IoT) is an essential theme in innovation industry, strategy, and designing circles. IoT frameworks like arranged vehicles, savvy traffic frameworks, and sensors implanted in streets and scaffolds draw us nearer to "brilliant urban areas'', which help limit clog and vitality utilization. IoT innovation offers the likelihood to change horticulture, industry, and vitality creation and dissemination by expanding the accessibility of International Journal of Scientific Research in Science and Technology data along the esteem chain of generation utilizing arranged sensors.

LITERATURE SURVEY :

- In the year of 2008, Chen Peijiang and Jiang Xuehhua, “Design and implementation of Remote Monitoring System Based on GSM”, this paper focuses on the wireless monitoring system, because the wireless remote monitoring system has more applications than a remote monitoring system based on SMS through GSM.
- “Internet of Things (IOT) based Gas Leakage Monitoring and Alerting System with MQ-2 Sensor” in the year of 2017, Rohan Chandra Pandey, Manish Verma, Lumesh Kumar Sahu. This paper's choice of using a real time gas leakage monitoring and Sensing the outputs levels of gas has been clearly observed by the help of this system.
- “Gas Leakage Detection and Smart Alerting System Using IoT '' in the year of 2018, Shital Image, Priyanka Rajmanes, Aishwarya Gavali. In this paper we use IOT technology for enhancing the existing safety standards. While making this prototype has been to bring a revolution in the safety against the leakage of harmful and toxic gases.