Hazardous Area Monitoring for Industrial Plant Powered by IOT

Domain of the Project	**:IOT**
Batch ID	**: B12-6A2E**
Team ID	**:PNT2022TMID13542**
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Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
IoT based temperature and humidity monitoring framework	Rafizah Ab Rahman, Ummi Raba' ah Hashim, Sabrina Ahmad. 2019	BEEI Journal	This study explored the use of Internet of Things (IoT) in monitoring the temperature and humidity of a data centre in real-time using a simple monitoring system to determine the relationship and difference between temperature and humidity with respect to the different locations of measurement. The monitoring system was also successful in detecting extreme changes in temperature and humidity and automatically send a notification to SMS.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Smart weather monitoring and real time alert system using IoT	Yashaswi Rahut,Rimsha afreen,Divya k amini,2018	IRJET Journal	The system proposed is an advanced solution for weather monitoring that uses IoT to make i ts real time data easily accessible o ver a very wide range. The system deals with monitoring weather &cl imate changes like temperature ,h umidity ,wind speed ,moisture , light intensity ,UV radiation and even carbon monoxide level in the air; using multiple sensors. These sensor sent the data to web page and the sensor data is plotted as graphical statistics .The data uploaded to web page and easily accesses from world

Literature survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Air pollutiion monitoring system with IoT	Vivekanand Prakash Rachure, Dr.Vasudev B.Virulkar, 2019	IRJET Journal	We are creating an IOT based Air Pollution Monitoring System in which we will monitor the Air quality over a web page using Wi-Fi module and internet and will trigger an alarm when the air quality decrease beyond a certain level that is when there are sufficient amount of dangerous gases are present in the air like CO2 ,CO , Smoke ,CH4 ,benzene.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Air and sound pollution monitoring system using IoT	Ms.Aarthi, etal,2018	IRJET Journal	The growing air and sound pollution is one of the serious these days .As the pollution is increasing it is giving rise to number of diseases. So it has became necessity to control the pollution to ensure healthy living and better future. The Air and Sound Pollution Monitoring device can be accessed by the each and every people curious about the pollution level.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
IoT Based environmental monitoring and control system	Ghulam Rubab Mirza,Etal,2019	IJMREM Journal	IOT plays a major role in collecting the information from the sensing un it enclosing our environment due to alternations in the climate which led to the significance of environmental monitoring. This paper presents a de velopment of real time environmental monitoring and control system by utilizing node MCU.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Weather monitoring station	Mr.Dipak V.Sose, Dr.Ajij D.Sayyad, 2018	IJER Journal	The system proposed is an advanced solution for weather monitoring that uses IOT to make its real time data easily accessible over a very wide range. The system deals with monitoring weather and climate changes like temperature ,humidity wind speed, moisture, light intensity, UV radiation and even carbon monoxide level in the air.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
IOT BASED INDUSTRIAL MONITORING SYSTEM	Hemlata Yadav, Etal, 2022	IRJMETS Journal	The Internet of Things (IoT) is a new sector that aims to connect "things, " "people," and "machines" to the i nternet. Modernization and autom ation are sweeping the globe, with IoT -based industrial monitoring solutions at the forefront. The impo rtance of assessing the state of the i ndustry is vital to the safety and effi ciency of the products. The goal of t his study is to create an IoT-based i ndustrial monitoring system with in telligent sensors.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
A Hazardous Area Personal Monitoring System for Operators in Gas Depots and Storage Tanks	Elia Landi,Etal,2022	CET Journal	This work describes a smart monitoring system for the detection of flammable gas residues, toxic gases, and reduced oxygen concentrations. The proposed system aims at reducing the risk of fires and explosions, thus increasing the safety of workers engaged in maintenance or inspection of gas storages. The monitoring system is based on compact battery-powered wearable sensor nodes containing sensors for LPG flammable compound toxic gases. The designed system can also increase plants safety by incorporating an intrusion detection system.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
An Integrated System for Smart Industrial Monitoring System in the Context of Hazards Based on the Internet of Things	Neelam sanjeev kumar &2021	IJSSE Journal	A huge unexpected upheaval, a blast or the emanation of any lethal gas because of mishaps, inadequacy or simple carelessness by industry authorities, has brought about innumerable passing's, wounds and caused huge harms, upsetting the lives of the sufferers' as well as the ages to come. To stay away from any potential debacle of this greatness, this task proposes a modern checking framework dependent on the Internet of Things (IoT).

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Embedded IoT-based Monitoring Utility for Safety Management and Access Control	**Ugwechi Wejie-Okachi,etal, 2021**	IJECCE Journal	**In an industrial workplace, the safety of human lives and properties are key functions of the Health, Safety and Environment (HSE) department. In this work, an industrial automation monitoring system based on IoT was designed and implemented to assist in access control and safety management in a storage facility of an Industrial plant. The monitoring utility detects the alcohol levels of employees before they enter the facility.**