HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT

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LITERATURE SURVEY

S.NO	TITLE	AUTHORS	DESCRIPTION
1.	IOT Based Industrial Monitoring and Fault Detection System(Research Journal)	Akshara Viju,Prathamesh Shukla,Aditya Pawar,Prathamesh Sawant	This system is an advanced solution for the supervision level of the factory where in most cases only SCADAs and alarms based on variable values are considered Advantage:Predictive maintenance is its ability to provide useful information to the human supervisor showing what the real state of a plant or machine is and helping him in the planning of the factory operation.
2.	Indoor Industrial Monitoring System	Mahesh.S.Kholgade and et al [2017IEEE]	The Ideology is mainly used for detection of hazardous leakage of liquid petroleum gas by using MQ6 sensor.
3.	Remote Temperature Monitoring Using LM35 sensor and Intimate Android user via C2DM Service	Poonam1 , Prof. (Dr.) Yusuf Mulge2	This work aims at monitoring of remote room temperature. Thus provides opportunity to quickly respond to fire emergencies.

4.	A Hazardous Area Personal Monitoring System for Operators in Gas Depots and Storage Tanks	Elia Landi, Lorenzo Parri*, Ada Fort, Marco Mugnaini, Valerio Vignoli, Dinesh Tamang, Marco Tani	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
5.	IOT Based Industrial Parameter Monitoring System(Research journal)	Prof. Nitin Ahire1 , Shreya Bandodkar2 , Kanchan Gupta3 , Yasar Farooqui4	If there is the presence of any harmful gas like carbon mono-oxide in the surrounding, the gas is detected by the sensor and the voice module plays the audio output "gas detected". It is necessary to record the appropriate voice audio note for each parameter respectively. Thus, this prototype can be very beneficial for workers in industries, power plants, etc for the prevention of a hazard that might destroy machinery as well as can risk the life of the workers.
6.	Monitoring of Hazardous Gases in Process Industries Through Internet	P.Raghavi,Dr. K.R.Valluvan	The existing detection system are available to sense only a particular gas and they use GSM technology to indicate the critical situations.

7.	IOT Based Industrial Monitoring System	Hemlata Yadav,Naomi Oyiza,Sarfaraz Hassan,Dr.Sum an Lata,K.Jaya Chitra	Main Objectives is to adapt the Internet control system to the Internet Of Things ,allowing users to access the application over the internet from anywhere in the globe.Sensors like smoke sensors,humidity,and temperature sensors are used to monitor the surroundings of the machine
7.	A Survey On Toxic Environment Monitoring Using Sensors	R.Rajalakshmi, J.Vidhya	This paper presents for safety monitoring of dangerous gases in the industrial plants. A single artificial neural network is used for determination of the gas concentrations based on sensor array measurements, performing at the same time compensation of the temperature and humidity influence on the sensor outputs.
8.	IOT Based Temperature and Humidity Monitoring Framework	Rafizah Ab Rahman,Ummi Raba'ah Hashim,Sabrina Ahmad	The Monitoring Syatem was also helpful in detecting extreme changes in temperature and humidity and automatically send a notification to IT personal via E-mail ,short messaging service (SMS) and mobile push notification for further process