

LITERATURE SURVEY

Hazardous area monitoring for industrial plant powered by IoT

Title	Authors	Publication	Inference
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	The Italian Association of Chemical Engineering, 2022	The monitoring system is based on compact battery-powered wearable sensor nodes containing sensors for LPG flammable compounds, toxic gases, and oxygen and also prevents unauthorized access to safety-critical areas to prevent accidents through LoRa.
IoT Based Coal Mine Safety And Health Monitoring System Using LoRaWAN	T. Porselvi, Sai Ganesh CS, Janaki B, Priyadarshini K, Shajitha Begam S	2021 3rd International Conference on Signal Processing and Communication (ICPSC) 13 – 14 May 2021	Smoke sensor monitors SO ₂ , NO ₂ and CO which is sent to IOT webpage through SIM900 GPRS. When values exceed a threshold, buzzer is turned on.
Identification and visualization of hazardous gases using IOT	Yashvin Munsadwala, Pankti Joshi, Pranav Patel	IEEE 2019	Gas sensor readings are fed to server using MQTT protocol and stored in DAQ. GPS is used to find location and email notification is send if sensor values exceed the set threshold.
Goose surface temperature monitoring system based on deep learning using visible and infrared thermal image integration	Ching-Hsun Chuang, Chun-Yu Chiang, Yu Chen, Chieh-Yu Lin, Yao-Chuan Tsai	IEEE Access, Volume 9 Sept 16,2021	Visible image is integrated with infrared thermal image to find surface temperature of the goose.
Temperature Sensing Wrist Band For Covid-19 Crisis	Arunkumar S , Mohana Sundaram N	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA) ,IEEE Explore	This device helps in generating an alarm, whenever the temperature and blood pressure values are found to be abnormal. In this way, an immediate information is passed to the primary level user and also to the secondary level relatives with the help of IoT technology