Literature Survey on "Hazardous Area Monitoring for Industrial Plant powered by IoT"

Reference	Technologies Used	Advantages	Disadvantages
[1]	Software: Information-Centric Networking (ICN), low power lossy networks (LLNs)	Each and every piece of information has been collected through the cloud.	• No hardware specification
[2]	Microcontroller: Arduino Mega, WIFI Module (ESP8266). Service: Blynk, IoT Sensors: Smoke sensor (MQ-2), Temperature and Humidity.	All the components are connected with IoT by using the Blynk application. The sensors are used for detecting smoke and temperature.	• The system response is slow. • Only detection there is no production.
[3]	Microcontroller: MPS480 and RF module, RFID, Zigbee Sensors: Temperature, smoke, and humidity sensors	It can support thousands of nodes under a single network.	• The transmission rate of this technology is low.
[4]	Microcontroller: Arduino Module: GSM Sensors: Temperature, smoke and flammable gas sensors, air quality sensor	All levels of air pollution by detecting. Message send through GSM	• No instances action

[1] Frey, M., Gundogan, C., Kietzmann, P., Lenders, M., Petersen, H., Schmidt, T. C., … Wahlisch, M. (2019). Security for the Industrial IoT: The Case for Information-Centric Networking. 2019 IEEE 5th World Forum on Internet of Things (WF-IoT). doi:10.1109/wf-iot.2019.8767183

[2] IOT BASED INDUSTRIAL MONITORING SYSTEM Hemlata Yadav*1, Naomi Oyiza*2, Sarfaraz Hassan*3, Dr. Suman Lata*4, K. Jaya Chitra*5 Volume:04/Issue:04/April-2022 Impact Factor- 6.752

[3] Sureshkumar A, S Muruganand, S Siddharthy, Manikandan N. "A Study On Computer Based Monitoring System For Hazardous Area Safety Measurement Using Virtual Instrumentation." International Conference on Inter Disciplinary Research in Engineering and Technology (2015): 187-191. Print.

[4] February 2021International Journal of Safety and Security Engineering 11(1):123-127 DOI:10.18280/ijsse.110114