HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IoT

LITERATURE SURVEY

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- IOT is a platform which has varied applications in day-to-day life rang in from domestic to industrial. The system are going to implement aims to provide a low cost, low maintenance and robust architecture for analyzing hazardous situations in heavy industries. Various papers published in the field of IOT have touched different of this project.

- Android user via C2DM Service presents a WSN prototype for remote room temperature monitoring, which can be used for fire safety operations, via an Android platform. The proposed system provides an Android interface for registered to access the current temperature and a flash/beep in of fire. This paper influenced our work in selecting the platform for alerting the user and connecting it with central controller.
- Online Analysis And Fault Finding System For Distribution Transformers Using IOT is about design and implementation of embedded system to monitor and record key parameters of a distribution transformer like load currents, oil level, oil quality and ambient temperature. This paper provided insights about applications of IOT based system IIB in industrial environments, and how multiple sensors are unified together.
- Real Time Monitoring of C02 Emissions in Vehicles Using Cognitive IOT aims to reduce the green house effect by real time monitoring and controlling of C02 emission caused due to vehicles and industries using cognitive IOT. This paper gives insights about the domain of Cognitive IOT, which can be implemented an extension of our project.

- Review on Temperature and Humidity Sensing using IOT highlights some of the advantages of marking with a Raspberry Pi, which helped us to implement a network, running scripts and graphical visualization of data.
- IOT based Data Logger System for weather monitoring using Wireless sensor networks deals with monitoring and controlling the environmental conditions like temperature and C02 level with sensors and sends the information to the web page. This is similar to the web interface we have implemented in our project.
- Industrial Temperature Monitoring and Control System Through Ethernet LAN in which, temperature measures the temperature and produce corresponding analog signal which is further proceed by the central micro controller. The wired approach is less efficient in industrial areas, and thus were motivated to implement a wireless system.