Abstract

Hazardous Area Monitoring For Industrial Plant Powered By IoT

Team Number : 10

Team Members

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Problem statement:

In some industrial plants, there are the areas where the temperature is to be monitored time to time. Sometimes the condition may become critical that lead to property loss and also human loss. It is difficult for the industrial people to manage all these in manual form.

Objective:

The proposed system focuses on monitoring the industry by employing smart beacon devices which is integrated in that area that broadcasts the temperature of that area and the smart wearables that serve as beacon scanners will be distributed to everyone working in that region. The temperature can be seen on a wearable device whenever a person is close to a beacon scanner, and if the temperature is high, he will receive alerts to his mobile phone via SMS utilising API. The admins of that specific plant can check the data on the dashboard and, if necessary, take the appropriate safeguards after the data has been transferred to the cloud via this wearable device. The main advantage of the proposed model is the automation involved, which helps the workers in it.

Software Required:

Python IDLE

Proposed model: