

Hazardous Area Monitoring for Industrial Plant Powered by IoT

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, hence we propose an automatic industrial area monitoring system.


1. TEAM MEMBERS

- SANKARESAN S - 1904044**
- SATHEESH KUMAR S - 1904045**
- SUJITHRAJ P - 1904056**
- SURYA PRAKASH J - 1904058**

BRAIN STORM



IDEA-1

- Every person in industrial areas is given a wearable device, and smart beacon devices will be integrated in all areas. These devices display the current temperature in each area, and if it rises above a certain point, they send an SMS to everyone nearby by scanning their wearable devices using bluetooth. Additionally, the beacon gadget continually feeds data to the cloud so that the administrator may respond appropriately.
- 

IDEA-2

- A smart beacon gadget is embedded everywhere in industries. Continually monitoring the temperature in that region, it uses buzzer alarms to alert those around when the temperature exceeds a certain threshold and continuously sends data to the cloud so that the administrator may monitor the temperature in the area and take necessary action.

IDEA-3

- Utilizing a beacon device with sensors placed wherever they are needed across the industry, the level of gas, radiation, and temperature in industrial locations is detected. When these values exceed the limit, an automated siren warns nearby residents and also sends these data to the cloud so the administrator can continually monitor it and take the appropriate action.