

1. Define your problem statement

HAZARDOUS AREA MONITORING INDUSTRIAL PLANT POWERED BY IOT

**In Hazardous Area ,
lots of accidents like
explosion due to
sudden increase of
temperature and
increase level of toxic
gases like Nitrogen
Dioxide, Phosphine
etc. In this project ,We
are going to give the
solution for the
problem.**

2.BRAIN STORM

PADMAPRIYA B

Using Pressure Sensor to monitor the surrounding pressure

Continually monitoring the temperature in that region ,use buzzer alarms to alert when the temperature exceeds a certain threshold and take necessary action.

Use Cloud Technology to provide better industrial experience

PRIYADHARSHINI SB

Sensor- cloud is a new paradigm for cloud computing that uses the physical sensors to accumulate the data and transmit all the sensor data into cloud infrastructure.

Sensor - Cloud handles the sensor data efficiently which is used in many industrial applications.

YAMINI M

To monitor the conditions we can integrate a smart devices in industrial areas.

With the integrated trend software and Data platform, alarm thresholds can be used to identify abnormal operating behaviour.

IoT requires a local,low power wireless communication to acquire data from sensor devices and local gateway is connected to internet for local monitoring and control

SAI VIGNESH PJ

Using Bluetooth based Sensor Monitoring in industrial IoT plants

Workers need to wear a temperature sensor with band or wearable things

3. Group Ideas

Using MOS sensor to monitor the various gases level

Monitoring with Smart cameras and using the pressure sensor to detect and monitor the environmental pressure.

Workers need to wear the temperature sensor with band

Continuously monitoring the workers temperature

Beacon Scanner is also attached in working of the system.

Every device will be acting as beacon and it is connected to temperature sensor

Monitor the various gas level of surroundings.

the admin of that industrial plant can view the data and take necessary precautions if required

Workers has need to wear the band with sensor

The use of sensor is to tracks every step of workers do when handling equipment

PRIORITIZE

Monitoring with Smart cameras and using the pressure sensor to detect and monitor the environmental pressure.

Monitor the various gas level of surroundings.

Using MOS sensor to monitor the various gases level

Workers has need to wear the band with sensor

Beacon Scanner is also attached in working of the system.

Is there any deviation in temperature, pressure etc

the admin of that industrial plant can view the data and take necessary precautions if required