Title:Gas leakage monitoring and alerting system

TEAM ID: PNT2022TMID04619

Entice

How does someone initially become aware of this process?

Enter

What do people experience as they begin the process?

Engage

In the core moments in the process, what

Exit

save the lives

of people

and avoid

What do people typically experience as the process finishes?

Extend

This current

application

modified to

can be

What happens after the experience is over?

Steps

Interactions

each step along the way?

Places: Where are they?

What does the person (or group) typically experience?

What interactions do they have at

People: Who do they see or talk to?

Things: What digital touchpoints or physical objects would they use?

can be implemente d in industries

The system

We can avoid accidents due to gas leakage Sending text messages to concerned

detects the composition and pollution

will learn application and how to use them

the availability of gas leakage

Determine the The customer solution with should get the fullfilled need clear idea to solve their

industry can gas leakage by the SMS

monitor that depletion of

Further they learn to practice with

application and get more ideas

sound an

They will be able to use the app with technical assistance

Costly

can be saved

Financial

loss will be

avoid

Industry will be aware of using flammable materials and take safety measures to prevent industry

Finally they feel better with the application and be aware of gas leakage

Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

Positive moments

What steps does a typical person

find enjoyable, productive, fun,

motivating, delightful, or exciting?

Major goal is to minimize the losses that are due to gas leakage

At first, people in industries

feel it difficult to use this

application

Initially the people in the industry are excited to see how the technology works from

preventing them from accidents

At first, they feel ridiculous about this application and safety meaures. They may not have any idea about this. **Ensuring employees life safety and** security to prevent from accidents

The process will be taught to the

worker by the admins to know about

the applications of gas leakage

They will be aware of hazardous gases,toxic gases and other flammable materials

The learning process is not easy for everyone. The understanding and capacity differs Will be able to prevent accidents due to gas leakage in industries

They will know more about the alerting system using alarm and buzzers

It takes some time to learn the whole process and

IOT technology for enhancing the existing safety standard

They get satisfied about this application are used in large industries

> If learning become a challenging task, one cannot handle the process all alone assisting them always

They can be seen as better practices of detection and alerting to prevent from toxious gases

> Immediate action will be taken if there is any inconvinience in the support

They may not aware of gas leakage at any time in industries.

Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

Areas of opportunity

How might we make each step better? What ideas do we have? What have others suggested? This application can be used in other fields like health care to ensure the patient's temperature,blood pressure and heart beat rate An IOT powered gas detection solution uses the gas sensor to identify the toxic gases such as CO2,CO in industries.

In gas monitoring system, the gas detection sensor are installed strategically on different location for real time monitoring.

An IOT powered gas monitoring system work through sensor that provide accurate data regarding presence of toxic gases in atmosphere

This system allows the management to take immediate action to curb harmful fire explosion.