

**Project Title:**

Gas Leakage monitoring & Alerting system for Industries

**Project Design Phase-I - Solution Fit**

**Team ID:** PNT2022TMID04560

Define CS, fit into CC

**1. CUSTOMER**

CS

Our main objective is to implement IoT system in industries and increases the safety of the people.

**6.CUSTOMER CONSTRAINTS**

C

- Insufficient knowledge on technology.
- High cost on available products.

**5. AVAILABLE**

AS

Sensor’s output can be given to the system and it will give the buzzer according to it.

Explore AS, differentiate

## 2. JOBS-TO-BE-DONE /PROBLEMS

J&P

- Implement gas leakage monitoring sensor in industry.
- Connect the sensor's output to the customer's mobile via digital display.

## 9. PROBLEM ROOT CAUSE

RC

- There are several news regarding fire accidents and deaths due harmful gas

## 7. BEHAVIOUR

BE

- Heavy losses may incur due to carelessness

Identify strong TR & EM	<b>3. TRIGGERS</b> <b>IR</b> <p>If other industry people visit your company and when they happen to see the IoT system, they will get excited and triggered to use such a system in their home.</p>	<b>10. YOUR SOLUTION</b> <b>SL</b> <ul style="list-style-type: none"> <li>It alerts the customer through a buzzer and also turns on the precautionary measures.</li> <li>It also gives notification regarding gas leakage regarding gas leakage.</li> </ul>	<b>8. CHANNELS of BEHAVIOUR</b> <b>CH</b> <b>8.1 ONLINE</b> <ul style="list-style-type: none"> <li>Get notifications regarding gas leakage.</li> </ul> <b>8.2 ONLINE</b> <ul style="list-style-type: none"> <li>Take appropriate measures to stop leakage.</li> </ul>	Identify strong TR & EM
	<b>4. EMOTIONS: BEFORE / AFTER</b> <b>EM</b> <p>At first there is no surety about the safety in the industry.  After installing the IoT system the level of safety has been increased.</p>			