Project Title: Gas Leakage Monitoring and Alerting System

CS

J&P

TR

EM

Team ID: PNT2022TMID08020

AS

Explore AS,

differentiate

1. CUSTOMER SEGMENT(S)

8

CS, fit into

The business owners who employ gases in their manufacturing.

6. CUSTOMER CONSTRAINTS

Due to expensive installation costs for alternative products, they have moved away from current technology.

5. AVAILABLE SOLUTIONS

CC

-Automatic shutoff valve

-In past they identify the leakage by smell which causes the delay i taking actions.

-Pros & Cons they easily identfy the locations and neccessary actions.

2. JOBS-TO-BE-DONE / PROBLEMS

People are concerned about gas leaks after the work is done or are unsure if they closed it or not. 9. PROBLEM ROOT CAUSE

-Industries without enough training frequently use faulty valves.
-Industries without enough training

-Industries without enough training frequently use faulty valves without control.without control. 7. BEHAVIOUR

To determine the gas's characteristics and solve the issue, they will locate the leak and identify the warning.

3. TRIGGERS

M

Identify strong TR &

Safe precautions for the workers to work without any fear.

4. EMOTIONS: BEFORE / AFTER

If they faced a problem or a situtaion, they could confidently handle the situation and ease to access.

10. YOUR SOLUTION

Low cost IoT based device that can be easily accessed and fixed by people.

8. CHANNELS of BEHAVIOUR

Promoting through social media. With the help of social media entrepreneurs.

8.2 OFFLINE

SL

The identification of the area of leakage and take precautionary actions

СН

Extract online & offline CH of BE