cs

6. CUSTOMER CONSTRAINTS

CC

5. AVAILABLE SOLUTIONS

AS

xplore AS, differentiate

Focus on J&P, tap into BE, understand

The industries using harmful gases for the manufacturing products and Household, who uses gas for cooking.

Cost of installing the products make them to move far from recent technology, Ability to detect the wide range of gases, Network connectivity, Environment factors etc. The sensor should sense the leakage of gas and alert the concerned authorities about the leakage and useful in real time.

1&P

9. PROBLEM ROOT CAUSE

RC

7. BEHAVIOUR

RF

- Gas leakage leads to huge loss.
- Alerting the customer with SMS, Alarm system.
- Maintenance or monitoring of the system.
- Detect the gas leakage and identifying leaked gas.

- Improperly installed tube fittings /poor tubing selection.
- Lack of awareness in handling.
- Improper use of gas furnace, stove, or appliance, including leaking due to gas lines being hooked upincorrectly.
- Use of defective equipment.

- To create awareness among workers.
- Monitoring the system regularly.
- To determine the gas leakage area and alerts throughby warning message or alerting sound.
- Approach the people and create awareness by advertising the problems.

Define CS, fit into CC

3. TRIGGERS TO ACT



Considering the safety measures for workers and future impacts of that work, smart technology.

4.EMOTIONS: BEFORE / AFTER



Before: The leakage of gases causes heavy losses and made them feel depressed & guilt and also lose the recognition of their products.

After: Creating awareness and safety precautions to the workers to work without any fear

10. YOUR SOLUTION

sending SMS.

Develop a cost efficient IoT based gas leakage

detecting system which can be easily accessed by

workers. If there is gas leak then it will alert the workers by



8. CHANNELS OF BEHAVIOUR



ONLINE:

Promoting through social media, With the help of social media influencer. Users can also easy to monitor the live the reports.

OFFLINE:

Identifying the leakage area and take precautionary actions manually. It makes call to user. Frequently check theleakage of α as.

IE: