**Project Title:** Gas leakage monitoring and alerting system **Project Design Phase-I** - **Solution Fit Team ID:** PNT2022TMID54092

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

* Upgrade to premium network plan.
* Man-power is used to monitor the leakage.
* Availing network connection from a reliable service provider.

**AS**

**5. AVAILABLE SOLUTIONS**

* According to the square feets, the devices should be installed.
* Network connection
* Affordable budget

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

* Engineers
* Industrialists
* Safety control personals

**Explore AS, differentiate**

**Define CS, fit into CC**

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* A hostile environment is only prevalent in certain industries; therefore, the frequency of such a problem is low. In such a case, the customer complains several times to get attention.
* The network problem is wide spread as most of the industries are located in the country side. Here is the contact to both the developers and the service providers.
* If the leaked gas is very toxic, there is a possibility of causing hereditary health problems.

**BE**

**7. BEHAVIOUR**

**RC**

**9. PROBLEM ROOT CAUSE**

* The quality of the material from which the device is made plays a crucial role in the device’s ability to function in harsh environments.
* If the workers do not control properly, the gas may pose a high risk to their health or industrial property.
* The installation location of device & the network map used by the user pose the cause of network problem.

**J&P**

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

* The device’s ability to withstand harsh environments is questionable.
* Due to a network problem, the data could not always be uploaded to the cloud.

**Focus on J&P, tap into BE, understand RC**

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| **Identify strong TR & EM** | **3.TRIGGERS TO ACT TR**   * Severe damage or more serious health problems from toxic gases force them to seek a solution as soon as possible. * Device usage is displayed in the newsfeed may trigger the people to install it. | **10. YOUR SOLUTION SL**   * Device can be manufactured in various standards based on the environment. * Develop an economical system and an application which will monitor and alert the users. | 1. **CHANNELS of BEHAVIOUR CH**   **8.1 ONLINE**   * Virtual community * Social community * Email to developer   **8.2 OFFLINE**   * Complaint letters |  |
| **4. EMOTIONS: BEFORE / AFTER EM**   * Before: user feels insecure and deceived. * After: user feels confident, secured and sincerity of developers. |