**Project Title: Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMIDxxxxxx

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

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

* The gas detection system not only monitors the surroundings continuously but also prevents the further leakage of gas in the environment which minimizes the chance of fire.
* Detect the malfunctioning of the pressurized gas system in order to prevent the accumulation of the gases so that the explosion does not happen.

**AS**

**5. AVAILABLE SOLUTIONS**

* More capital for implementation
* Experts with knowledge of the process plant system and equipment involved
* Continuous Network connection

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

1. **CUSTOMER SEGMENT(S)**

* Marginal and large scale industrialists

**Explore AS, differentiate**

**Define CS, fit into CC**

* To acquire necessary data to an analyse the system health with the help of the gas sensors and uploading them in the application.
* To navigate around the application’s features.

**BE**

**7. BEHAVIOUR**

**RC**

**9. PROBLEM ROOT CAUSE**

* Inefficient traditional practices
* Safety compliances
* Process efficiency
* Productivity

**J&P**

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

* To detect gas leakage and prevents the explosion
* Supervise gas concentration levels
* Automated system for industrial work without delays and errors

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

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**Identify strong TR & EM**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**   * Ensures industrial productivity and improved strategies through advanced analytics. * It utilizes its capabilities into designing full-fledged solutions that enhance the quality of the production. | **10. YOUR SOLUTION**  The proposed solution aims at increasing production  while optimizing the required human efforts and  minimizing the losses. **SL**   * A sensor-enabled level monitoring solution in the industries allows real-time supervision through on-spot data extraction without any delays and providing the desired reports for analysis. * IoT solution is capable enough to offer a data-driven approach that simplifies the workload of the managers | 1. **CHANNELS of BEHAVIOUR CH**   8.1 ONLINE   * Analysis of Data collected * Accessing Application’s features.   8.2 OFFLINE   * Data collection * Implementing the Suggestions provided   by the application |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  Insecure 🡪 Confident  Unreliable 🡪 Trustworthy |