

# **PROJECT DESIGN PHASE - 1**

## **PROBLEM SOLUTION FIT**

Team ID	PNT2022TMID48300
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks

### **1.PROBLEMS:**

- Having no proper system for controlling or monitoring the leakage.
- Suffering from many losses due to the gas leakage.
- Facing heavy budget problems in buying and installing a system for monitoring and controlling.

### **2.CUSTOMER SEGMENT:**

- Hospitals
- Mining Industries
- Oil, Gas, Polymer Industries

### **3.CUSTOMER CONSTRAINTS:**

- High budget in installing other products.
- Complexity in installation.

#### **4.AVAILABLE SOLUTIONS:**

- Availing network connection from a reliable service provider.
- Upgrading to a premium network plan.

#### **5.PROBLEM ROOT CAUSE:**

- Location of the device installation and the network plan used by the user are the cause of network issue.
- Quality of the material using which the device is made up of plays a vital role in the capability of the device to work in harsh environment.

#### **6.BEHAVIOUR:**

- Network issue is very common as most of the industries are located at the country side. Here they contact both the developers and the service providers.
- Harsh environment is prevailing only on certain industry; thus the frequency of the said problem is low. In such a case the customer complains multiple times to get the attention.