

PROJECT DESIGN PHASE - 1

PROBLEM SOLUTION FIT

Team ID	PNT2022TMID11782
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.