

PROJECT DESIGN PHASE

- 1PROBLEM SOLUTION

FIT

Team ID	PNT2022TMID54081
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks

- **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.

- **CUSTOMER SEGMENT:**

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

- **CUSTOMER CONSTRAINTS:**

- ☐ High budget in installing other products.

- ☐ Complexity in installation.

- **AVAILABLE SOLUTIONS:**

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

- **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 inthe capability of the device to work in harsh environment.

- **BEHAVIOUR:**

- ☐ Network issue is very common as most of the industries are located at the country side. Here they contact both thedevelopers and the service providers.
- ☐ Harsh environment is prevailing only oncertain industry; thus the frequency of the said problem is low. In such a case the customer

complaints multiple times to get the
attention.