PROJECT DESIGN PHASE - 1 PROBLEM SOLUTION FIT

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| Team ID | PNT2022TMID28961 |
| 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 a reliable 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 in the 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 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 complaints multiple times to get the attention.