

Project Design Phase-I Problem – Solution Fit Template

Date	15 October 2022
Team ID	PNT2022TMID04581
Project Name	Project - Gas Leakage Monitoring & Alerting System for Industries
Maximum Marks	2 Marks

Problem – Solution Fit:

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS	6. CUSTOMER CONSTRAINTS CC	5. AVAILABLE SOLUTIONS AS	Explore AS, differentiate
	<ul style="list-style-type: none"> Industries working with inflammable gases. 	Budget, Spending Power, Cost of Deployment, Reliability, Network connectivity.	<ul style="list-style-type: none"> Hire any third party service providers to detect and control the gas leakage, if any. Appoint workers to frequently monitor for leakage of gases. 	
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P	9. PROBLEM ROOT CAUSE RC	7. BEHAVIOUR BE	Focus on J&P, tap into BE, understand RC
	<ul style="list-style-type: none"> To create a Gas Leakage and Monitoring System. To detect the leakage of any harmful/inflammable gas. To notify the customers as soon as possible in case of any gas leakage. Alarming System for workers incase of any gas leakage. 	<ul style="list-style-type: none"> Aging of gas pipelines. Improper maintenance of Industrial Infrastructure. No proper implementation of safety measures. Negligence. A threat to life. 	<ul style="list-style-type: none"> Search for available service providers and get the service installed. Get any customized product to manage gas leakage and monitoring. Proper maintenance of Industrial Infrastructure. 	
Identify strong TR & EM	3. TRIGGERS TR	10. YOUR SOLUTION SL	8. CHANNELS of BEHAVIOUR CH	
	Accidents due to gas leakages and loss of physical property and life.		B.1 ONLINE <ul style="list-style-type: none"> Monitor the status of the sensors. Notification incase of any gas leakage. 	
4. EMOTIONS: BEFORE / AFTER EM			B.2 OFFLINE <ul style="list-style-type: none"> Prevent physical damage to sensors. Provide proper network and power supply to sensors. 	