

Project Design Phase-I

Problem Solution Fit

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Team ID	IBM-Project-21805-1659791852
Project Name	Gas leakage monitoring and alerting system

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS Demographic, psychographic and geographic	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL High budget in installing other products make them to move far from modern technologies.	5. AVAILABLE SOLUTIONS <small>PLUSES & MINUSES</small> AS The leakage could be monitored and controlled with enough labour. Despite the fact that human labour could lower electricity costs and monitor correctly, there may be a great risk to their lives. Manpower is another factor that contributes to some errors.	Explore AS, differentiate
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR <ul style="list-style-type: none"> Component unresponsiveness Network related errors Human inefficiency/ negligence High installation cost Time consuming process 	9. PROBLEM ROOT / CAUSE RC Workers' irresponsible and lack of concentration on their work can lead to a high risk of their health and the industry itself.	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE <ul style="list-style-type: none"> High risks come from utilising human resources to monitor leaks. If the gas being released is particularly harmful, there is also a danger that it will have an impact on future generations' health. 	
Focus on PR, tap into BE, understand RC	3. TRIGGERS TO ACT TR The havoc and hazards incurred due to the past occurrences of gas leakage/explosions and the huge expenses because of losing gas has alerted the industries to take a	10. YOUR SOLUTION SL Develop an application that can always monitor and alert the workers in order to establish an efficient safety system in the Industry.	8. CHANNELS of BEHAVIOR CH Using social media to promote. Through the aid of influencers/entrepreneurs on social media.	Extract online & offline CH of BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM Before: A sense of fear bloomed among the public, government and industries. Human loss and gas wastage led to grief and took a toll on everyone's mental well-being. Adaptation and recovery was very difficult After: Awareness, confidence and security was built inside the minds of public, government and industries		<small>OFFLINE</small> Through newspaper advertisements and brochure	