

# PROJECT DESIGN PHASE -1

## PROBLEM - SOLUTION FIT

Team ID	PNT2022TMID18989
Project Name	Gas Leakage and Monitoring Alerting System
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Define CS, fit into CC	<b>1. CUSTOMER SEGMENTS(S)</b> <b>CS</b> For the industry owner ensuring the safety of workers is hard to identify the leakage is occurring. For the homemakers they are not able to identify the gas leakage is occurring due to external sources or something.	<b>6.COUSTOMER CONTRAINS</b> <b>CC</b> Proper maintainance should be taken atleast once in a month. The services can be done only by the technicians.	<b>5.AVAILABLE SOLUTIONS</b> <b>AS</b> Usage of sensors to sense gas leakage. Using GSM module help us to get notified when the gas is leaked.	Explore AS
	<b>2.JOBS TO BE DONE / PROBLEMS</b> <b>PR</b> Jobs to be done: Automatic nob closing ,switching off the power supply. Problems: If the cylinder is not maintained properly it causes problems.	<b>9.PROBLEM ROOT/CAUSE</b> <b>RC</b> Some times does not work properly which causes major problem. It is difficult to understand difference between LPG gas & other gases.	<b>7.BEHAVIOUR</b> <b>BE</b> Identifies the issues with the help of sensor Regular monitoring is done . Automatic registration when the cylinder is about to empty.	
Identify strong TR & EM	<b>3.TRIGGERS TO ACT</b> <b>TR</b> Identification of gas leakage will be done & necessary measurements are taken in case of emergency.	<b>10.YOUR SOLUTION</b> <b>SL</b> Switch on/off any electric devices can be avoided . Creating a shortcuts in industries to evacuate everyone in case of gas leakage.	<b>8.CHANNELS OF BEHAVIOUR</b> <b>CH</b> Easy interaction with people is done in proper manner.	Extract online & offline CH of BE
	<b>4.EMOTIONS</b> <b>EM</b> Customer feels about accidents occurs due to gas leakage but after using this they feel stressless.		The customer need to visit the professionals. The returning the product is easy.	