

Ideation Phase

Define the Problem Statements

Team ID	PNT2022TMID44431
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Problem statement:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	User	Avoiding gas leakage	All the gases do not have infrared absorption.	Global warming potential and ozone depletion potential.	Headaches
PS-2	User	Avoiding gas leakage	Another potential danger of a gas leak is carbon monoxide poisoning.	The gas leaks can cause fire and explosion.	Sickness

PS-3	User	Avoiding gas leakage	The gas is heavier than air,so it getes collected at the lowest spot in the case of leakage it causes suffocation.	Since, it is odourless and dissipates into the air easily.	Weakness
PS-4	User	Avoiding gas leakage	Its more hazardous in case fire.	When gas comes into contact with any spark from appliances in your home.	Suffocation
PS-5	User	Avoiding gas leakage	Proper ventilation And detection system is required for indoor storage.	It can be a source of potential danger,it can cause a fire or explosion.	Nausea