

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID52179
Project Name	IoT Based Gas leakage monitoring and alerting system
Maximum Marks	2 Marks

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Chemical industry worker	Ensure workers health	It is not easy to detect gas leakage in our industry	Of large number of gas pipeline usage	Stressed
PS-2	Oil rig worker	To prevent hazardous gas leakage	We deal with lot of gases and some gas leaks cannot be found easily	some gases are colourless and odourless	Worried
PS-3	Restaurant owner	Ensure customer and workers safety	we cannot always keep checking for gas leaks	Of our busy work routine	Frustrated

PS-4	Home maker	Keep my family safe	I can not always be present at home	I run a small business	Stressed
PS-5	Fire station worker	To prevent fire explosion due to gas leakage	We can not detect gas leakage	We are busy in extinguishing fire and saving people	Worried