

Ideation Phase

Define the Problem Statements

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Team ID	PNT2022TMID21445
Project Name	Gas Leakage monitoring & Alerting system for Industries
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- The danger happens when gas leaks out. It is dangerous because gas is flammable, which means that if there's a flame or even a spark in the area of a leak, it could cause a fire or explosion.
- A gas leak can happen if a gas pipe is damaged or a fitting is loose.
- There is a possibility of avoiding such dangerous problems, by ventilating the leaked gas out of the area, and by alerting the people.
- Goal of our Project, “ Provide the safe and best product using Internet of Things, to people which detects the gas leakage and alert them , and ensure their Safety ”.



Problem Statement (PS)	I am (Customer)	I am trying to	But	Because	Which makes me feel
PS-1	Industrialist	Monitor gas leakage in the industry	I don't have any system for monitoring	The affordable of the system is high and the systems are sometimes making disasters	Unsafe
PS-2	Industrialist	Control the gas leakage	Also, the installation process is too complicated	The number of sensors is unpredictable and the positioning of equipment is improper	Disastrous