

# Ideation Phase

## Define the Problem Statements

DATE	19 September 2022
TEAM ID	PNT2022TMID42278
PROJECT TITLE	Hazardous Area Monitoring for Industrial Plant Powered by IoT
MAXIMUM MARK	2 Marks



<b>Problem Statement (PS):</b>	People who are working in industry are in chance of affecting by hazardous gases, high temperature, high humidity, fire explosion. Sometimes the conditions may become critical which may lead to loss of property and human loss.
<b>I am (WORKER IN AN INDUSTRY)</b>	A worker in an industry, whom is in a risk of working in a hazardous and harmful sector in an industry. Whose life is in risk and health condition may became bad.
<b>I'm trying to</b>	Be safe in my work place and prevent my health from unwanted outcomes getting out from industry.
<b>But</b>	I can't be in a risk while working and can't be in a fear of being affected.
<b>Because</b>	Usually industry will emit hazardous gases, and emit high temperature during process, sometime fire explosion may happen.
<b>Which makes me feel</b>	Frustrated and Unsecured to work in an industry sector

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I am trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Industry Manager	Monitoring the industrial parameter	The industries require more manual power to monitor and control the parameters like temperature, pressure etc.,	Reliable and economical	It reduces the hazards to workers and adjoining population
PS-2	Industry Manager	Implementation of a real WSN to measure industrial	The parameters will not be monitored and controlled properly at the time of emergency; it leads to harmful situation.	Simple and low cost technology	The capability of sensing accurately with increased