

Ideation Phase

Define the Problem Statements

Date	18 September 2022
Team ID	PNT2022TMID24570
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

We as a team to create a problem statement to understand the problem according to the customer's point of view. This problem statement will help everyone to know about for what purpose we create the

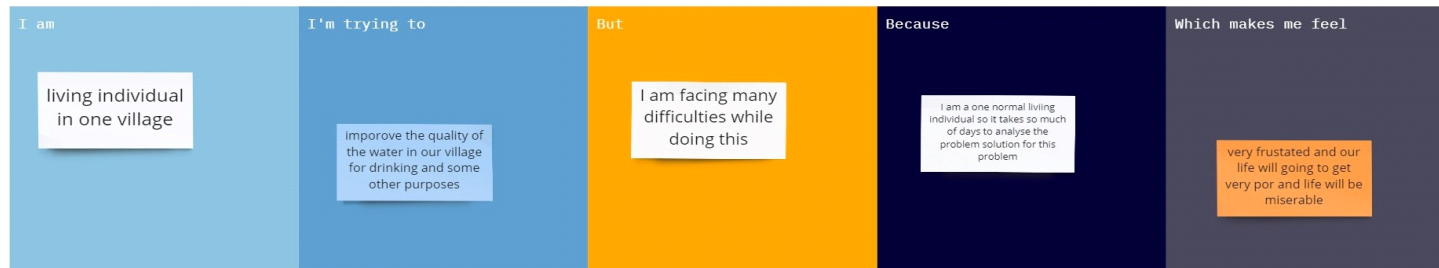
experience that the people will completely know about the purpose.

A fully constructed problem statement that allows you and your teammates to know about the ideal solution for the problem statement and that will help us to face the challenge that must be provided in the

customer's satisfaction which will allow the customer to understand your product and the services.

I am	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" they care about - <i>what are they trying to achieve?</i>	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - <i>what bothers them most?</i>	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists - <i>what needs to be solved?</i>	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - <i>how does it impact them emotionally?</i>	Describe the emotions the result from experiencing the problems or barriers

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Living Individual in one village	Improve the quality of the water in our village for drinking and some other purposes.	I am facing many difficulties while doing this	I am a one normal living individual so it takes so much of days to analyse the porblem solution for the problem	Very frustated and our life will going to get very poor and life will be miserable
PS-2	Industrialist	Find the condition of the water that must suit for the production of the products in my company	I am facing many difficulties to meet this requirements.	The quality of the water in our industry area is soo poor and there is no other way to imporove the water quality	Very boor and there must be a huge loss to my company because of reduced quality of the products.