Ideation Phase
Define the Problem Statements

Date	04-November-2022
Team ID	PNT2022TMID42599
Project Name	Real time water quality monitoring and control system
Maximum Marks	2 Marks

There are many means of drinking water. One among them is Groundwater. But is it safe to drink as such from the ground or using any sort of filtration? It may contain harmful toxins and not fit for drinking as such, it may lead to many diseases. Before using the groundwater, monitoring the quality of the water is the better solution. Using IoT we get to know whether it is consumable or not. We can also alert the user through Alert Message through the Mobile Application when the water reaches the threshold point. This project is aimed to monitor the quality of the borewell water for the use of household and drinking. Aims to check the pH, salinity, chlorine level in the borewell water.

Customer Problem Statement Template:

Reference link :
https://miro.com/app/board/uXjVPIVONoQ=/?moveToWidget=3458764537403559126&cot=10
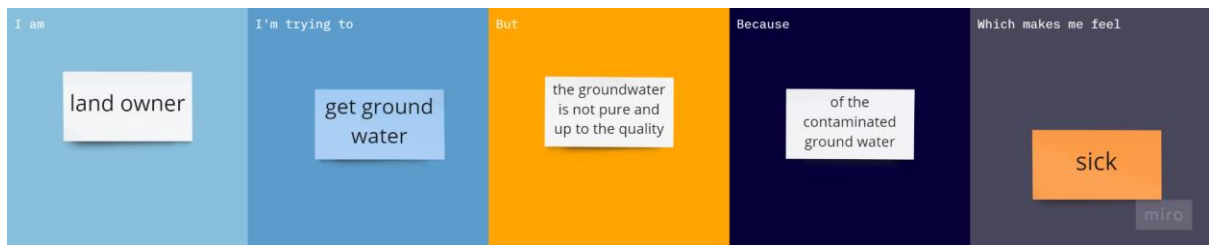
Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Land owner	get ground water	the groundwater is not pure and up to the quality	of the contaminated groundwater	sick

PS-2	Farmer	Water the crops. (Groundwater)	The water is not having proper nutrients	Of less nutrients or rich in any one of the nutrients	unhealthy