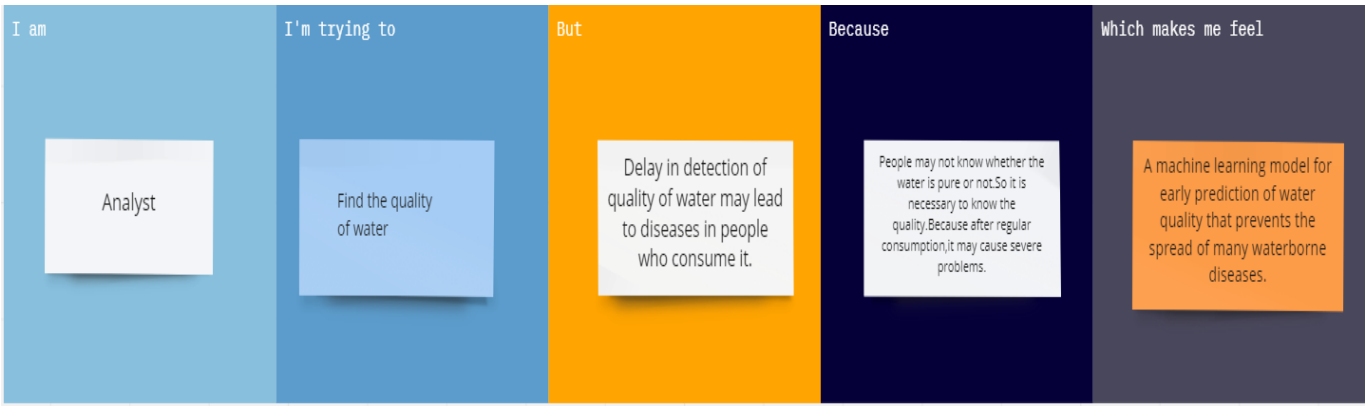
Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID12998
Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	2 Marks

Efficient Water Quality Analysis & Prediction using Machine Learning:

Water makes up about 70% of the earth's surface and is one of the most vital sources. Everyday human activities and urbanization have led to an alarming deterioration of water quality, which in turn results in harmful diseases. Water quality has traditionally been estimated through statistical analysis, and it takes a long time to predict and estimate water quality. The alarming consequences of poor water quality require an alternative method that is faster and less expensive. The alarming consequences of poor water quality necessitate an alternative method that is faster and less expensive. For this reason, a set of machine learning algorithms has been developed to estimate water quality and describe the overall quality of water.

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Analyst	Find the quality of water.	Delay in detection of quality of water may lead to diseases in people who consume it.	People may not know whether the water is pure or not.So it is necessary to know the quality.Because after regular consumption,it may cause severe problems.	A machine learning model for prediction of water quality in a regular period of time prevents the spread of many waterborne diseases.