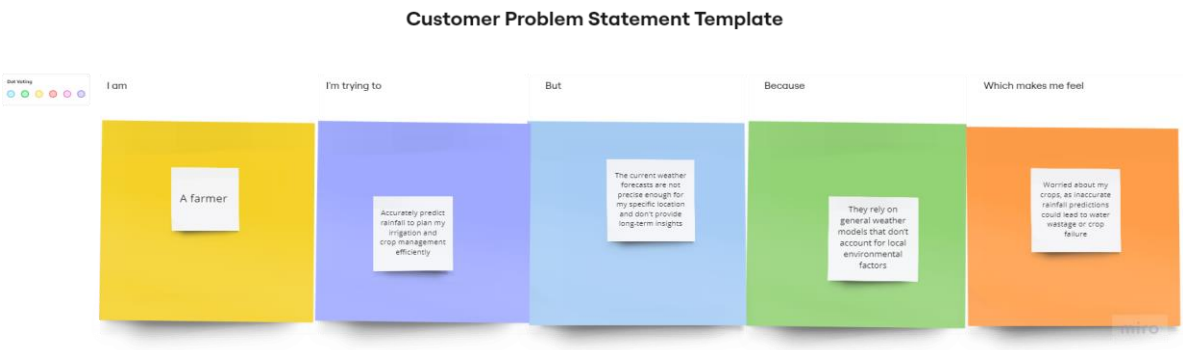
Project Initialization and Planning Phase

Date	1 October 2024
Team ID	LTVIP2024TMID24922
Project Name	Rainfall Prediction Using Machine Learning
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Farmers and agricultural planners struggle with inaccurate and non-localized weather forecasts, leading to poor planning and potential crop loss. This causes anxiety and uncertainty about the best times to plant and water crops. Similarly, daily commuters and travellers face frustration and disruptions due to untimely and imprecise weather updates, impacting their travel plans and overall experience. Our project aims to address these issues by providing accurate and localized rainfall predictions, helping both groups make informed decisions and improve their productivity and convenience.

Example:



Reference: https://miro.com/templates/customer-problem-statement/

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A farmer	Accurately predict rainfall to plan my irrigation and crop management Efficiently.	The current weather forecasts are not precise enough for my specific location and don't provide long-term insights.	They rely on general weather models that don't account for local environmental factors.	Worried about my crops, as inaccurate rainfall predictions could lead to water wastage or crop failure.