Project Initialization and Planning Phase

Date	23 September 2024
Team ID	LTVIP2024TMID24992
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.

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 crop planting and irrigation schedules.	leading to poor planning and potential crop loss.	Current weather forecasts are often inaccurate or not localized enough	Anxious and uncertain about the best times to plant and water crops, impacting my livelihood and productivity.
PS-2	Traveler	Plan my travel routes and activities efficiently.	leading to unexpected delays and disruptions.	The weather forecasts are often inaccurate or not timely	The weather forecasts are often inaccurate or not timely

I am	I'm trying to	But	Because	Which makes me feel
• A farmer	• Accurately predict rainfall to plan crop planting and irrigation schedules.	• leading to poor planning and potential crop loss.	• Current weather forecasts are often inaccurate or not localized enough	• Anxious and uncertain about the best times to plant and water crops, impacting my livelihood and productivity.

I am	I'm trying to	But	Because	Which makes me feel
• A Traveler	• Plan my travel routes and activities efficiently.	• leading to unexpected delays and disruptions	• The weather forecasts are often inaccurate or not timely	• The weather forecasts are often inaccurate or not timely