Ideation Phase
Define the Problem Statements

Date	13-OCTOBER-2022
Team ID	PNT2022TMID10712
Project Name	Exploratory Analysis Of Rain Fall Data in India For Agriculture
Maximum Marks	2 Marks

Customer Problem Statement Template:

In an agricultural country like India, the success or failure of the harvest is highly dependent on the rainfall pattern of the country. India's agriculture production is highly dependent on its precipitation behaviour of the monsoon rainfall. Monsoon is the main source of water in India. Average rainfall prediction is a prime important factor for crop planning. Many of the studies have shown the direct influence of rainwater on the crops.

Emerging and projected climate change patterns that include increased variability of seasonal rainfall, frequency and intensity of extreme weather events result to droughts and floods, thus increasing the vulnerability of farming systems. This is critical while also considering the low adaptive capacity and resilience and ultimately leads to devastating impacts on the national economy and the livelihoods of the people.

Problem Statement (PS)	Iam (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	JENNY	I am trying for good production in agriculture and good income in crops.	But the crop needs more water and scarcity of water it leads drought.	I think this is because of lack of rainfall in India for agriculture and even farming Mistakes It makes farmers to loss in land formation	This problem is getting me on my nerves. I want a solution for this problem

I am	The Participants are mostly between different ages. The minimum ages is 25 and the maximum is 75.Even children is also participates in agriculture.
I'm trying to	- Smart irrigation - Weather predicting - Reduce post-harvest loss - Data driven supply-chain management - Farmer-centric crop insurance
But	Average farm size, poor infrastructure, low use of farm technologies and best farming techniques, decrease of soil fertility due to over fertilization and sustained pesticide use are leading contributors to low agricultural productivity.
Because	Agriculture in India is dependent on the monsoon season because farmers are not well equipped with modern methods of manual irrigation. They are still dependent on monsoon rains for irrigating their crops. The Indian economy gains due to good monsoon rains in the country resulting in a goodyield of crops.
Which makes me feel	India is a global agricultural powerhouse. India is one of the major players in theagriculture sector worldwide and it is the primary source of livelihood for about 58% of India's population.Agriculture in India is livelihood for a majority of the population and can never be underestimated.Although its contribution in the gross domestic product (GDP) has reduced to less than 20 per cent and contribution of other sectors increased at a faster rate, agriculturalproduction has grown.

PS-2	RICHARD	Recently my Friend started paddy crop production and invested more income on it but he didn't get the profit . what's the problem	But he didn't get the profit Not even half of the invested money.	Because due to rain fall in India for agriculture.	This is making me feel That the farmers further can't proceed with the farming.