

## IDEATION PHASE

### Define the Problem Statements

<b>Date</b>	16 October 2022
<b>Team ID</b>	PNT2022TMID39697
<b>Project Name</b>	Exploratory Analysis of Rainfall data in India for Agriculture
<b>Maximum Marks</b>	2 Marks

### CUSTOMER PROBLEM STATEMENT TEMPLATE:

I am	Farmers who cultivates multiple crops
I'm trying to	Cultivate healthy crops to meet the raising demand for food
but	Due to heavy rains crops may get affected crops
because	I am not aware of possibilties of rainfall.
which makes me feel	sad,my efforts gets wasted

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Farmer	Cultivate multiple crops	Due to heavy rain, I can't	I don't know rainfall forecasting	Extremely sad

PS-2	Farmer	Cultivate huge crops to meet raising demands	Due to no rainfall and water scarcity, I can't	I am not aware of the possibilities of rainfalls in the month	Miserable
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## **IMPORTANCE OF ANALYZING RAINFALL DATA:**

Rainfall is one of the climatological data which is widely analyzed for a long time. Analysis of rainfall data is important as it facilitates policy decisions regarding the cropping pattern, sowing date, construction of roads and providing drinking water to urban and rural areas

## **RAINFALL IMPORTANT TO AGRICULTURE:**

India gets around 70 percent of its annual rainfall during the monsoon season, which also affects the yield of some key kharif or summer crops like rice, pulses and oilseeds such as soybeans. Farmers start planting these crops with the arrival of monsoon rains in June.