

## Ideation Phase

### Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID16626
Project Name	Project - Exploratory Analysis of Rain Fall Data in India for Agriculture

#### Problem Statement:

**India** is a global **agricultural** powerhouse. Rain is beneficial for crops and fields however there is an “**absolute**” amount of rainfall in any given growing season for most crops. If the average rainfall is much lower or higher than the ideal, it can lead to significant problems, from drowned crops to lower yields. Rainfall forecasting is important otherwise, it may lead to many disasters. Irregular heavy rainfall may lead to the destruction of crops. But accurate rainfall prediction has become very complicated in recent times due to drastic variability in climatic changes. Hence it is important to exactly determine the rainfall for the effective use of water resources, crop productivity, and pre-planning of water structures.

I am	Farmers in India
I'm trying to	Cultivate different crops with their respective seasons and weather conditions.
But	Bad weather may lead to many disasters like irregular heavy rainfall or no rainfall may lead to the destruction of crops, and heavy floods that can cause harm to human life.
Because	The weather or rainfall is not forecasted.
Which makes	Crops destruction, rising demands for food, Biodiversity loss, reduce farm productivity, floods or drought occurrence, and many

#### Example:

