Project Design Phase-I
Proposed Solution

Date	23/09/2022
Team ID	PNT2022TMID08012
Project Name	Exploratory Analysis of Rainfall Data In India For Agriculture
Maximum Marks	

Proposed solution:

The project aims predicting the rainfall that may help in effective use of water resources, crop productivity and pre-planning of water structures. Time series data is collected to analyse the pattern in rainfall.

S.No	Parameter	Description
1	Problem statement (problem to be solved)	Agriculture is highly dependent on weather conditions. Due to unpredictable rainfall there is a great impact in crop productivity.
2	Idea / Solution description	By analysing the pattern using the factors causing rainfall and determining the amount of rainfall in different locations, we can predict the rainfall
3	Novelty / Uniqueness	Suggesting the type of crop to be harvested based on predicting the amount of rainfall.
4	Social Impact / Customer Satisfaction	This helps the farmers in effective usage of water resources and to prevent destruction of crops.
5	Business Model (financial Benefit)	As the demand for weather forecasting is growing faster over the years, this project will help in achieving the accuracy in rainfall prediction which will have a great impact in the Indian economy
6	Scalability of Solution	This will help the farmers in scheduling their agricultural process.