

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID30627
Project Name	APPLIED DATA SCIENCE - <b>Exploratory Analysis of Rain Fall Data in India for Agriculture</b>

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	◆ To precisely calculate rainfall in India in order to construct water infrastructure, utilise water resources efficiently, and produce crops.
2.	Idea / Solution description	◆ A general sense of the rainfall pattern can be obtained by Analysing the data from the prior 10 years. Data Science could be used to: ◆ The issue and forecast the rainfall up to a good amount.
3.	Novelty / Uniqueness	◆ The beginners in agriculture can benefit from this application. ◆ Features for choosing seed ripeness are offered.
4.	Social Impact / Customer Satisfaction	◆ Farmers (who conserve resources such as crops and money) and vegetable vendors (who are aware of vegetable stocks and emergencies) ◆ Crops of various kinds can be grown for optimal health. aids in creating healthy fields and crops.
5.	Business Model (Revenue Model)	◆ This project's goal is to forecast India's rainfall, and farmers are the intended audience. It offers superior service in estimating future rainfall and crop production better output.
6.	Scalability of the Solution	◆ When we predict rainfall correctly, it helps growth of crop and yielding will be better.