

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

Date	19 September 2022
Team ID	PNT2022TMID16626
Project Name	Exploratory Analysis Of Rainfall Data in India For Agriculture

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Heavy Rainfall may cause a huge threat to all living beings, especially in the field of Agriculture. To determine the rainfall in India for productive use of water resources, crop productivity, and calculating of water structures.
2.	Idea / Solution description	Examining the previous 15 years' data can give us an idea about the Rainfall pattern. Using Data Science, we could solve this problem and predict the Rainfall up to some degree.
3.	Novelty / Uniqueness	There are so many other fields like AI, IoT, etc., and using these fields may cost much. Hence by predicting rainfall we can help the farmers.
4.	Social Impact / Customer Satisfaction	Rainfall forecasting is important otherwise, it may lead to many disasters. Irregular heavy rainfall may lead to the destruction of crops. Farmers get their satisfaction in saving the crops and also getting the right profit from it.
5.	Business Model (Revenue Model)	This project could cost really low only if a person should develop knowledge in Data science and perhaps a gadget to develop this. However, deploying as an App attached to other facilities may cost an extra charge.
6.	Scalability of the Solution	It aims to acquire better scalability with the highest accuracy achieved in prediction, a user-friendly interface