

Project Design Phase-I
Proposed Solution

Date	11 October 2022
Team ID	PNT2022TMID36075
Project Name	Exploratory Analysis Of Rainfall Data in India For Agriculture
Maximum Marks	2 Marks

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)	<ul style="list-style-type: none">❖ To exactly determine the rainfall in India for effective use of water resources, crop productivity, and pre-planning of water structures.
2.	Idea / Solution description	<ul style="list-style-type: none">❖ Analysing the previous 10 years datas can give us a rough idea about Rainfall pattern. Using Data Science, we could solve this and predict the Rainfall upto some good extent.❖ Provides extra support to maintain the agriculture.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">❖ This application is useful for the beginners in agriculture. Seed maturity selection features are available.❖ Here with the given region we suggest the agriculturalist for the best yielding crops to grow.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">❖ Rainfall has been a major concern these days. Weather conditions have been changing for time being.❖ Farmers (they save crops and money), Vegetable sellers(they knows about vegetable stocks and its emergency)
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">❖ The target of this project is to forecast the rainfall in India and the target user is the farmers. The crops to grow for better yield.❖ However, deploying as an App attached with other facilities may cost an extra charge.
6.	Scalability of the Solution	<ul style="list-style-type: none">❖ It aims to acquire a better scalability with highest accuracy achieved in prediction, user friendly interface and money, ease of use and works with better functionality❖ When we predict rainfall correctly,it helps growth of crop and yielding will be better