

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID30162
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)	To keep track of the weather condition and prediction of rainfall for agriculture.
2.	Idea / Solution description	Most of the farmers are not aware of the weather condition. To overcome those problems, our project helps them to keep track of the weather condition and helps in prediction of rainfall for sowing, harvesting etc., Our model predicts rainfall using random forest algorithm as it gives high accuracy results. We also produce accuracy level along with output which is represented in graph.
3.	Novelty / Uniqueness	We help the farmers to keep track on the weather condition and also we alert them whether it will rain or not. In addition to that it also helps in cost benefit analysis.
4.	Social Impact / Customer Satisfaction	When weather condition is predicted it helps the farmers to cultivate and also help them to plan and sow according to the weather condition.
5.	Business Model (Revenue Model)	Protecting agriculture lands with the help of an application makes our farmers more satisfied so it will be useful for both the farmers and the consumers.
6.	Scalability of the Solution	It also helps to solve many problems for the farmers as well as the consumers.