

Project Design Phase-I
Proposed Solution

Date	23 September 2022
Team ID	PNT2022TMID41619
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)	➤ Though the reduction of rainfall activity during the entire summer monsoon season leads to reduction in crop yields, the occurrence of prolonged rainfall breaks also cause adverse effect on the crop growth resulting in reduced crop yields.
2.	Idea / Solution description	➤ Due to reduction of rainfall with the use of datamining technique, we collect the prior data of rainfall in agriculture places and we create the analysis of rainfall data in agriculture.
3.	Novelty / Uniqueness	➤ We use the advanced applied data science and machine learning of python modules like pandas, tensor flow, keras , matplotlib, visualization tool tableau , so this is the uniqueness of our analysis of rainfall data project.
4.	Social Impact / Customer Satisfaction	➤ The loss of production and economy for farmers in agriculture, so we create a huge project for them, that will create a huge response in farmers because of increase their economy in agriculture with rainfall analysis data.
5.	Business Model (Revenue Model)	➤ Our project is open source for farmers, with the help of government approval or any private corporate support we given 60% of revenue of our company share to who own our project.
6.	Scalability of the Solution	➤ Scalability of solution of our project is to make any farmers to deserve our rainfall data and we build a information office for non improved villages to get our data.