

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID39901
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">● Farmers need to satisfy the rising demand for more food of higher quality.● Rainfall is very important because heavy and irregular rainfall can have many impacts like the destruction of crops and farms
2.	Idea / Solution description	<ul style="list-style-type: none">● Helps in producing healthy crops and good fields.● Water resources can be fully utilised through interstate coordination on water management, water can easily be delivered to the areas where it is most required.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● Different types of crops can be planted for good health.● It helps in making of decisions regarding the cropping pattern and sowing rate.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● A good balance of rain and proper irrigation can lead to faster growing plants and yields better crops.