Project Design Phase-I
Proposed Solution Template

Date	3 October 2022
Team ID	PNT2022TMID17878
Project Name	Exploratory Analysis Of Rainfall Data in India For Agriculture
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	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	The idea is to predict the rainfall for a particular month in a region by analyzing the weather data in India from 1998-2015.
3.	Novelty / Uniqueness	Here with the given month and region we suggest the agriculturalist for the best yielding crops to grow .
4.	Social Impact / Customer Satisfaction	Rainfall has been a major concern these days. Weather conditions have been changing for time being. Rainfall forecasting is important otherwise, it may lead to many disasters. Irregular heavy rainfall may lead to the destruction of crops, heavy floods that can cause harm to human life.
5.	Business Model (Revenue Model)	The target of this project is to forecast the rainfall in India and the target user is the farmers. It provides a better service in predicting the rainfall and the crops to grow for better yield.
6.	Scalability of the Solution	It aims to acquire a better scalability with highest accuracy achieved in prediction, user friendly interface, good number of web app users, without investing lot of resources and money, ease of use and works with better functionality.