Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID49531
Project Name	Project – 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)	Erratic rainfall causes crop damage and reduced crop production
2.	Idea / Solution description	- To collect the previous year rainfall dataset - Data pre processing- It is a process of preparing the raw data and making it suitable for a machine learning model. - Modelling -After performing the tasks of pre- processing activities, the dataset is ready for the stage of classification, where training and test datasets are both given as input to four classification techniques - Evaluation -Accuracy, It may be defined as the number of correct predictions made as a ratio of all predictions made
3.	Novelty / Uniqueness	We will enhance the rainfall prediction accuracy.
4.	Social Impact / Customer Satisfaction	- It will help the farmers to take precautionary steps to minimize the losses. - To increase the crop production - Unlimited food access - Precautions should be taken due to heavy flooding

5.	Business Model (Revenue Model)	Our ideas is collaborated with the agriculture, it will improve the economical strength in agriculture sector.
6.	Scalability of the Solution	A trained model is adaptive According to datasets and environmental conditions.