

Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID28309
Project Name	Exploratory analysis of rainfall 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)	Analysing the rainfall based on past data. It is important to exactly determine the rainfall for effective use of water resources, crop productivity, and pre-planning of water structures
2.	Idea / Solution description	The most widely use empirical approaches used for climate prediction are Regression, artificial neural network, fuzzy logic and group method of data handling. The dynamical approach, predictions are generated by physical models based on system of equations that predict the future rainfall.
3.	Novelty / Uniqueness	We plan to add a new feature which helps the farmers to plant right crops In right time. i.e. rainfall prediction for a particular duration.
4.	Social Impact / Customer Satisfaction	It helps the farmers to crop right crops in right time. Also, it helps people to plan their trips and events.
5.	Business Model (Revenue Model)	The model generates a good income if the prediction is true.
6.	Scalability of the Solution	In future, when a new feature is added it suits to the application.