Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID10841
Project Name	Project - Proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.
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)	The Farmer wants to Know whether there is a Rainfall Tomorrow or not so that His Agricultural Field can be maintained properly. The Farmer wants to Harvest/Save the water so that it can be used for Future Purpose. The Farmer wants to Know There will be a Heavy Rainfall so that the Precautionary Measures can be taken.
2.	Idea / Solution description	1 .Pesticides should be used after the rain in order to avoid wastage. 2 .When It is Sunny the probability of Rain is low. 3. Drip Irrigation can be used in order to save water. 4 .Setting up the soil to equally distribute the rain water to all the plants in the field. 5. Creating a way for rain water to move from field. 6.We can avoid using motor pumps while raining. 7. We can build temporary storage for storing rain water and can use it later. 8. When storm is predicted don't yield the crop. 9.Making ways in the soil for overflowing rain water to storage. 10.Creating a Drainage in order to preserve overflowing of Rain water in Agriculture field.
3.	Novelty / Uniqueness	1 .Applied appropriate machine learning algorithms to get the best results. 2. Forecasted rainfall with Time Series.
4.	Social Impact / Customer Satisfaction	1 . Farmers will be satisfied to save the rain water. 2 . It will be useful to avoid flood in Agriculture field in order to take precautionary measures.

5.	Business Model (Revenue Model)	Since we predicted the rainfall in advance so we may able to avoid the loss of cost for the Farmers. Using this idea, we can make a stable business and get a profitable revenue.
6.	Scalability of the Solution	Our project has better scalability since our model analysis all information provides better refined solution. With the help of this Prediction it will be easy for the farmers to cultivate in the agricultural field.