Project Design Phase-I
Proposed Solution Template

Date	**24 October 2022**
Team ID	**PNT2022TMID29302**
Project Name	**Project - "EXPLORATORY ANALYSIS OF RAIN FALL DATA IN INDIA FOR AGRICULTURE"**
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Maximum Marks	**2 Marks**

Proposed Solution

S.No.	Parameter	Description
1.	**Problem Statement (Problem to be solved)**	✓ Now a days, Climate is an important aspect of human life. So, the prediction should accurate as much as possible. ✓ We try to deal with the prediction of the rainfall which is also a major aspect of human life and which provide the major resource of human life which is Fresh Water. ✓ Now climate change is the biggest issue all over the world. People are working on to detect the patterns in climate change as if affects the economy in production to infrastructure.

2.	**Idea / Solution description**	✓ Our solution is for making prediction of rainfall, it acts a challenging task with a good accuracy rate, Making prediction on rainfall cannot be done by the traditional way, so we are using machine learning and deep learning to find out the pattern for rainfall prediction. ✓ Assist the farmers before damaging of the crops.
3.	**Novelty / Uniqueness**	✓ Our solution is useful for the people who are start-up to agriculture. ✓ Analysis will be quiet easy to handle.
4.	**Social Impact / Customer Satisfaction**	✓ Farmers will gain huge yield due to prediction. ✓ Helps in producing food crops widely.
5.	**Business Model (Revenue Model)**	▯ This comparative study is conducted concentrating on the following aspects: ✓ Modelling inputs ✓ Visualizing the data ✓ Modelling methods ✓ Pre-processing techniques. ▯ On the Expenses area, our solution will give a **"Small Investment with Huge Impact on Farmer's Society"**
6.	**Scalability of the Solution**	Our solution will be differ from others solution because in our model, Prediction of data will be trouble-free