Project Design Phase-I

Proposed Solution Template

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| 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:

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| **S.No.** | **Parameter** | **Description** |
|  | **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.** |
|  | **Idea / Solution description** | **The idea is to predict the rainfall in a region by analyzing the weather data in India from 1998-2015.** |
|  | **Novelty / Uniqueness** | **Here with the given region we suggest the agriculturalist for the best yielding crops to grow.** |
|  | **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.** |
|  | **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.** |
|  | **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.** |