Project Design Phase-I

Proposed Solution

Date	1st October 2022
Team ID	PNT2022TMID18408
Project Name	Applied Data Science – Exploratory Analysis of Rainfall Data in India for Agriculture

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement	It is a known fact that uncertainty of rainfall in India leads to a lot of disaster every year like flood, drought, agriculture destination etc. Also, some of the parts of India have abundance of rainfall and some parts go completely dry. This type of differences in rainfall creates lot of problems in Indian economy. Predicting Rainfall is a major task in both summer and Rainy season.
2.	Proposed Solution	Analyzing the previous 10 years data can give us a rough idea about Rainfall pattern. Using Data Science, we can predict the Rainfall up to some good extent.
3.	Uniqueness	We won't be using AI, IoT or other fields and will only make use of ML concepts hence it is cost and time efficient.
4.	Social Impact	Farmers - Can save crops and plan which crops can be planted next. Citizens – Can save their life from natural disasters beforehand itself.
5.	Business Model	This could cost low as a person should develop knowledge in Data Science and probably a gadget to develop this. However, deploying as an App attached with other facilities might be expensive.
6.	Scalability	Farmers, Citizens