Project Design Phase-I
Proposed Solution Template

Date :	19 September 2022
Team ID :	PNT2022TMID37532
Project Name :	Applied Data Science - EXPLORATORY ANALYSIS OF RAINFALL DATA IN INDIA FOR AGRICULTURE
Maximum Marks :	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Heavy Rainfall may cause huge threat to all living beings, especially in the field of Agriculture. Droughts could do the same too. It may destroy the crops and cause huge loss to Farmers and dependent field workers. Predicting Rainfall is a major task in both summer and Rainy season.
2.	Idea / Solution description	Analysing the previous 10 years datas can give us a rough idea about Rainfall pattern. Using Data Science, we could solve this and predict the Rainfall upto some good extent.
3.	Novelty / Uniqueness	AI, IOT and so many other fields may require different sensors. We are not going to use any kind of equipment. Time of prediction is very less and easy with affordable cost.
4.	Social Impact / Customer Satisfaction	Farmers (they save crops and money), Vegetable sellers(they knows about vegetable stocks and its emergency)
5.	Business Model (Revenue Model)	This could cost really 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 may cost an extra charge.
6.	Scalability of the Solution	Farmers, Vegetable sellers, Citizens