

# Project Design Phase-1

## Proposed Solution

Date	25 September 2022
Team ID	PNT2022TMID10058
Project Name	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)	By increasing global temperature cause a climate changes result in heavy rainfall, unpredictable weathers, etc. Due to heavy rainfall lots of crops are destroyed and affect the crop yield production which will cause a demand in food supply.
2.	Idea / Solution description	<ul style="list-style-type: none"><li>➤ Analysing rainfall using previous years rainfall data</li><li>➤ Forecast the time series rainfall</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>➤ Forecasting time series rainfall</li><li>➤ Warn the farmers about the climate change and rainfall level</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>➤ Agriculture plays major role in Indian GDP almost 18%</li><li>➤ It will raise our Indian GDP</li></ul>

		<ul style="list-style-type: none"> <li>➤ It will help the farmer to identify the correct period of time to sowing a crop and cultivating a crop</li> <li>➤ It will increase the food production</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ It will raise our India's GDP and will increase the crop production</li> <li>➤ It will reduce the food supply demand</li> </ul>
6.	Scalability of the Solution	<p>This will help the farmers in scheduling their agricultural process and increase crop yield production rate.</p>