Solution Architecture

Date	20 October 2022
Team ID	PNT2022TMID54006
Project Name	**Exploratory Analysis of RainFall Data in India for Agriculture**
Maximum Marks	2 Marks

DESIGN	ITERATIVE DESIGN would allow other modules or features to be added in the near future that suits the upcoming requirements.
USABLE	The predicted output would be helpful not only to the farmers but also to people in other sectors.
RELIABLE	Features are selected from authenticated data and scaled to predict with high accuracy.
FUNCTIONAL	Region or zone-based rainfall prediction for prior decision making and planning.

User Interface

- Visualization Dashboard
- Rainfall Prediction Window
- Information Centre [Home Page]
- User feedback & support
- User guide & other information

display

Model

- User Inputs
- Algorithm
- Data Preprocessing
- Predicted Output
- train & test
- evaluate

Rainfall Data [.csv file]

Data Analysis

feature selection & extraction