

# **Project Flow**

## **Exploratory Analysis Of RainFall Data In India For Agriculture**

**Team ID : LTVIP2025TMID49598**

### **1.Installing Required Libraries:**

### **2.Data Collection.**

- Collect the dataset

### **3.Data Pre-processing.**

- Import the Libraries.
- Importing the dataset.
- Understanding Data Types and Summary of features
  - Checking for Null Values.
- Data Visualization.
- Taking care of Missing Data.
- Feature Scaling.
- Splitting Data into Train and Test.

### **4.Model Building**

- Import the model building Libraries
- Initializing the model
- Decision Tree Model
- Random Forest Model
- KNN Model

- Xgboost Model
- SVM
- Logistic Regression
- Training and testing the model
- Evaluation of Model
- Save the Model

## **5.Application Building**

- Building Html page
- Build a Python Code
- Run the Application

## **6.Final UI**

- Dashboard of the flask app

## **7.Train The Model On IBM**

- Registering For IBM
- Training The ML Model on IBM
- Integrate Flask With Scoring End Point