

# **Project Flow**

## **Smart Lender - Applicant Credibility Prediction for Loan Approval**

**Team ID: PNT2022TMID08207**

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

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

- Collect the dataset

### **3.Data Preprocessing**

- Importing the Libraries.
- Importing the dataset.
- Understanding Data Type and Summary of features.
- Taking care of missing data
- Data Visualization.
- Drop the column from Data Frame & replace the missing value.
- Splitting the Dataset into Dependent and Independent variables
- Splitting Data into Train and Test.

### **4.Model Building**

- Decision Tree Model
- Random Forest Model
- KNN Model
- Xgboost Model
- Comparing The model
- Evaluating Performance of the model

- Saving The Model

## **5. Application Building**

- Building Html Pages
- Build 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