

**Project Flow**  
**Smart Lender-Applicant Credibility Prediction**  
**for Loan Approval**  
**Team ID: PNT2022TMID36132**

**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.

**6. Train The Model on IBM** .Registering For IBM .Training The ML Model On IBM .Integrate Flask With Scoring End Point

## PROJECT FLOW:

