Project Design Phase-I
Proposed Solution Template

Date	1 November 2022
Team ID	PNT2022TMID13268
Project Name	Smart Lender Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

Milestone and Activities:

MILESTONE 1- Installing Required Libraries.

MILESTONE 2- Data Collection.

ACTIVITIES

- Collect the Dataset

MILESTONE 3- Data Pre-Processing.

ACTIVITIES

- Importing the Libraries.
- Importing the Datasets.
- 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.

MILESTONE 4- Model Buliding

ACTIVITIES

- Naive Bayes Model
- Decision Tree Model
- KNN Model
- Comparing of Models
- Evaluating the performance of Model
- Saving the Models

MILESTONE 5- Application Building

ACTIVITIES

- Building Html pages
- Build Python Code
- Run the Application

MILESTONE 6- Final UI

ACTIVITIES

- Dashboard of the flask app

MILESTONE 7- Train the Model on IBM

ACTIVITIES

- Registering for IBM
- Training the ML model on IBM
- Integrate Flask with Scoring End Point