

**Project Planning Phase**  
**Milestone and Activities**

Date	1 November 2022
Team ID	PNT2022TMID10329
Project Name	Project - Smart Lender - Applicant Credibility Prediction for Loan Approval
Maximum Marks	4 Marks

**Milestones 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 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.

**MILESTONE 4** - Model Building

ACTIVITIES

- Naive Bayes Model
- Decision Tree Model
- KNN Model
- Comparison of models
- Evaluating the performance of models
- 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