

# Project Planning Phase

## Milestone and Activities

<b>Date</b>	16 November 2022
<b>Team ID</b>	PNT2022TMID13022
<b>Project Name</b>	Smart Lender-Applicant Credibility Prediction For Loan Approval
<b>Maximum Marks</b>	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 dataset
- Understanding data type and summary of features
- Taking care of missing data
- Data visualization
- Drop the column from data frame and replace the missing value
- Splitting the dataset into dependent and independent variables
- Splitting data into train and test

**MILESTONE 4** – Model Building

**ACTIVITIES**

- Naïve 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