

PROJECT PLANNING PHASE

Milestone and Activities

Date	22 October 2022
Team ID	PNT2022TMID10667
Project Name	Smart Lender-Applicant Creditability Prediction for Loan Approval
Maximum Mark	4 Marks

Milestone and Activities:

Milestone 1: Installing the required libraries

Milestone 2: Data collection

Activities:

- Collect the loan _prediction dataset.

Milestone 3: Data Pre-processing

Activities:

- Importing the libraries
- Read the dataset
- Print the dataset head.
- Finding the missing data
- Data visualization
- Scaling the data in the dataset
- Splitting the data into Train data and Test data.

Milestone 4: Model Building

Activities:

- Using the hybrid approach
 1. Naïve Bayes model
 2. Decision Tree model
 3. Random Forest model
 4. Xgboost model
- Comparing the model performance
- Evaluate performance of the model
- Saving the model

Milestone 5: Application Building

Activities:

- Building HTML and CSS web pages.
- Build using Python code
- Run the application

Milestone 6: User Interface

Activities:

- Downloading flask app
- Creating dashboard of the flask app
- Connecting web pages as user interface

Milestone 7: IBM Cloud

Activities:

- Registering IBM Cloud account
- Training the model on IBM cloud
- Integrate flask with scoring end point

SLNO	ACTIVITY TITLE	ACTIVITY DESCRIPTION	ACTIVITY DURATION
1	Understanding the Project concept	Understanding the concept of the topic and create github repository for the team and connect team members as contributors, assign task to each other and guide them to complete the respective task.	1 week
2	Starting Phase of Project	Team members should complete their respective assignments and phase of work on it accordingly	1 week
3	Completing Every Task	Team leader should ensure that whether every team member have completed the assigned task or not.	1 week
4	Finish the course within time	Team members should complete the course within time	1 week
5	Deadline	Ensure that team members are completing every task within deadline.	1 week