PROJECT PLANNING PHASE
Activity & Milestone List

Date	14 November 2022
Team ID	PNT2022TMID35168
Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval.
Maximum Marks	4 Marks

Activity List:

Activity No.	Activity	Activity Description	Duration
1.	Understanding the project	Understanding the problem statement, project objective, flow and structure.	1 week
2.	Attending Training sessions	To gain technical knowledge on the technology required to complete the project.	4 weeks
3.	Ideation and design phase	Brainstorming solution ideas for the problem statement and designing the solution.	2 weeks
4.	Data collection, Visualizing and analyzing, Data Preprocessing, Splitting and training data.	Downloading the dataset. Importing libraries and reading the dataset Performing Univariate, Bivariate, Multivariate Visualizations and description analysis. Data Preprocessing and data is splitted as test and train data	1 week
5.	Model building	Decision Tree, Random Forest, KNN, XgBoost. Comparing Models. Evaluating performance.	1 week
6.	Application Building	Building HTML Webpage. Python for prediction model and running application.	1 week
7.	Training Model on IBM	Training ML model on IBM. Integrating flask with scoring end point.	1 week

Milestones:

Milestone no.	Milestone	Description
1.	Understanding Project and Training	Understanding and prior knowledge about the project and its flow, structure and objective.
2.	Ideation and design	Preparing ideas for the project and designing the solution and requirements.
3.	Delivery of sprint 1	Data Collection,Visualizing & Analyzing, Data Preprocessing.
4.	Delivery of sprint 2	Model Building: Decision Tree,Random Forest, KNN, XgBoost. Comparing Models. Evaluating performance.

5.	Delivery of sprint3	ApplicationBuilding: BuildingHTMLWebpage, Python for prediction model and running application
6.	Delivery of sprint4	Training ML model on IBM and integrating flask with scoring endpoint.