

**PROJECT PLANNING PHASE**  
**Activity & Milestone List**

Date	06 November 2022
Team ID	PNT2022TMID18349
Project Name	Smart Lender- Applicant Credibility Prediction for Loan Approval.
Maximum Marks	4 Marks

**Activity List:**

Activ ity 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.	1 week
7.	Training Model on IBM	Python for prediction model and running <u>application</u> . 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 sprint 3	Application Building: Building HTML Webpage, Python for prediction model and running application
6.	Delivery of sprint 4	Training ML model on IBM and integrating flask with scoring endpoint.