

Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID46202
Project Name	Smart Lender-Applicant Credibility Prediction for Loan Approval
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	high. Most banks earn profit from the loan, but it is risky to choose deserving Banks are facing a significant problem in the approval of the loan. Daily there are so many applications that are challenging to manage by the bank employees, and also the chances of some mistakes are customers from the number of applications. One mistake can make a massive loss to a bank.
2.	Idea / Solution description	Decision Tree algorithm in Machine Learning methods which efficiently performs both Classification and Regression task.It create Decision Tree.Using different data analytics tools

		loan prediction and there severity can be forecasted. Using this idea we can easily Predict the Applicant ,He is eligible to get loan or not.
3.	Novelty / Uniqueness	This system can Automatically calculate the weight of each features taking part.
4.	Social Impact / Customer Satisfaction	Loan processing and on new test data same features are processed with respect to their data.
5.	Business Model (Revenue Model)	Using the Machine Learning Algorithm- NaviesBaves, Decision Tree, RandomForest ,LogisticRegression.
6.	Scalability of the Solution	This system can be accessed by multiple person at the time.It is very Stable and very Scalable .