

Project Design Phase-I
Problem Solution Fit Template

Date	19 September 2022
Team ID	PNT2022TMID31946
Project Name	Project - Smart lender applicant credibility prediction for loan approval
Maximum Marks	2 Marks

Problem Solution Fit Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Making loan approval process fully automatic and efficient by creating a smart lender loan prediction application.
2.	Idea / Solution description	We combine datasets from different sources to form a generalized dataset and use four machine learning algorithms such as Random forest, Logistic regression, Decision tree and Naive bayes algorithm on the same dataset . After completing, we deploy the model using Flask Framework.
3.	Novelty / Uniqueness	Performance and accuracy of the algorithms can be calculated and compared and Class imbalance can be dealt with machine learning approaches.
4.	Social Impact / Customer Satisfaction	It can make loan approval fast and easy. So that customers will be satisfied.
5.	Business Model (Revenue Model)	Finance application .Example, BOB World
6.	Scalability of the Solution	This solution will be highly scalable.