

Project Design Phase-I
Proposed Solution Template

Date	1 st November 2023
Team ID	Team-591689
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)	It is very difficult to reliably determine an applicant's credibility and forecast their loan payback behaviour because of the present loan approval procedure' inefficiency. This raises the risk of fraud and leads to high rejection rates and unfair lending practices. A reliable predictive model is required to deal with these issues. It must be able predict loan payback patterns, evaluate applicant credibility, streamline the loan approval process, and maintain fairness.
2.	Idea / Solution description	We propose this project, which uses advanced methods of machine learning to create a complete and reliable predictive model for loan repayment prediction and applicant credibility evaluation, in order to overcome the inefficiencies of the current loan approval process.
3.	Novelty / Uniqueness	The Smart Lender project utilizes advanced machine learning techniques to develop a comprehensive and robust predictive model for applicant credibility assessment and loan repayment prediction, unlike traditional methods that rely solely on credit scores or manual decision-making.

4.	Social Impact / Customer Satisfaction	This project is expected to have a beneficial social impact through reducing the risk of predatory lending practices, increasing financial inclusion, and facilitating better credit access for marginalized communities. Borrowers, lenders, and investors will be more satisfied efficiency in the loan approval process.
5.	Business Model (Revenue Model)	By providing lenders, borrowers, and investors with a range of services, this project has the potential to be a successful business model. This platform can make money through efficient monthly or yearly subscriptions.
6.	Scalability of the Solution	Although it is now just a website, we can expand it to an API and integrate it with mobile banking apps to provide consumers with even more simple access to the results on their phones. On training with more data, the model can get more accuracy.