

Project Design Phase-I
Proposed Solution

Date	17 October 2022
Team ID	PNT2022TMID00521
Project Name	Project - SMART LENDER-APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL.
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	R3P Housing Finance company deals in all kinds of home loans. They have a presence across all urban, semi-urban and rural areas. The customer first applies for a home loan and after that, the company validates the customer eligibility for the loan. Company wants to automate the loan eligibility process (real time) based on customer detail provided while filling online application form. These details are Gender, Marital Status, Education, Number of Dependents, Income, Loan Amount, Credit History and others. To automate this process, they have given a problem to identify the customers segments, those are eligible for loan amount so that they can specifically target these customers. Here they have provided a partial data set.
2.	Idea / Solution description	<ul style="list-style-type: none"> ● The customer only need to enter the details,the loan approval status is then predicted automatically and quickly. ● The property documents of the customer need to be submitted and the customer should agree to the terms and conditions of the bank. ● The loan approval will also depend on the CIBIL score of the customer. ● Provide captcha security. ● Automatic calculation of interest rate and repayment date based on loan amount. <p>Varies efficient machine learning algorithms can be used to predict the loan eligibility of the customer.</p>
3.	Novelty / Uniqueness	Provide customer ratings and reviews for understanding the customer. Adding digital signature of the customer on agreementof the terms and conditions. Provides data

		security. The customer details will not be shared to the third party. Instant Loan approval status.
4.	Social Impact / Customer Satisfaction	Easy and fast loan approval process for the customer. Approves Loan to a trustable person. Bank can find a genuine person to provide loan. Secure storage of customer details.
5.	Business Model (Revenue Model)	Can generate revenue through advertisement. Can collaborate with many companies. Can charge the processing fees and service fees from customer. Can give pre payment option. Can generate revenue by referencing.
6.	Scalability of the Solution	It can be provided as software as a service. Both borrower and Lender can use this software. Any type of customer can predict their loan approval without any discrimination. Can use this software anytime and anywhere. This system is easily scalable and efficient. Easy and user friendly software for all.