Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID15600
Project Name	Smart Lender – Applicant Credibility Prediction for Loan Approval
Maximum Marks	2 Marks

PROBLEM STATEMENT

Banking is a crucial sector, it deals with financial transactions which can be availed by everyone, but banks are not able to resolve the queries of customers at all times related to the products or services in a satisfactory way which in turn hinders the customer satisfaction. Dream 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. The company wants to automate the loan eligibility process (real-time) based on customer detail provided while filling out online application forms. These details are Gender, Marital Status, Education, number of Dependents, Income, Loan Amount, Credit History, and others. To automate this process, they have provided a dataset to identify the customer segments that are eligible for loan amounts so that they can specifically target these customers

Who does the problem affect?	The customer of the bank
What are the features of the problem?	Customers having a credit score must get a loan based on their eligibility
What is the actual issue?	Customers having a good credit score should be able to avail a loan easier than those who have poor score. Also non-performing assets of the bank should be reduced
When does the issue happen?	When the customer avails a loan
Where does the issue happen?	It occurs in banking industries
Why is it important to fix the problem?	It addresses the queries of customers immediately and effectively in a cost efficient manner.
What is the solution to this problem?	We are building a machine learning model that uses several data points such as credit history, duration, credit mix to predict whether a customer is eligible for loan
What Is the method used to solve the problem?	Dance science mimics the human brain in order to make chatting with the chatbot more life-like

I am	I'm trying to	But	Because	Which makes me feel
Working on a Smart lender application that checks credibility of the person to provide loan.	Make an intelligent system which can make accurate predictions	The system needs well trained machine learning models	Loan retrieval and preventing Non-performing asset	Happy as we are improving the banking system

I am	I'm trying to	But	Because	Which makes me feel
a student who just created a bank account	understand more about the available features of the bank	I have to waste a lot of time at the bank	I have to ask a bank employee about my doubts	Irritated