1. Customer Segment

CS

Due to the rising number of loan defaulters as well as the lengthy loan approval procedure, our target customers are mainly banking institutions, small financial institutions that provide loans, and credit card companies.

6. Customers Constraints

CC

The loan request should not be handled properly by banks. A protected class is obviously differently treated when applying for loans than a nonprotected class. The frequency of loan defaults is rising. As a significant amount of a bank's assets originate directly from the interest received on loans made, banks identify loan defaulters significantly decreased for credit risk.

5.Available Solutions

AS

- Using data pre-processing, data mining, and data filtering.
- Algorithms like naive bayes and k-nearest neighbors are utilized.
- Random forest, Logistic regression, Decision tree, and Naive Bayes algorithm are also used.

Explore AS, differentiate

treated

protected class.

J&P

As a big amount of a bank's

assets directly derive from the

interest gained on loans

granted, the banks identify loan

defaulters for much-reduced

credit risk, which is the main

source of this issue. A

protected class is obviously

differently

applying for loans than a non-

RC

when

Support for real entrepreneurs is required.

That the procedure need to be quicker and easier. to choose a candidate who can best serve your interests. seeks a loan applicant with a high credit rating.

Directly related:

The clients who lend the money and the banks that verify their credibility both want to complete the procedure quickly.

The small finance sector that deals with middle class and poor class people seek to find the credibility.

Indirectly associated:

3.Triggers

The lengthy and complicated loan approval process is having an adverse effect on our customers' businesses and revenue. Our customers' businesses are severely impacted as a result of the rapid increase in loan defaulters.

4.Emotions: Before / After

Before:

Needs to Support genuine Entrepreneur. That the process should be easier a time saving. To find an applicant which can give best interest. Needs to find a loan applicant with good credit score.

After:

After implementing this project people can be able to face all these abovementioned problems easily.

10.Solution

- Banks are unable to properly process loan requests due to an increased number of borrowers who default on their loans.
- The system automatically selects the reliable candidates to approve the loan, improving the speed, efficacy, and accuracy of loan approval processes.
- This helps the user (Lender) accurately identify whom to lend the loan to and also helps the banks to identify the loan defaulter for greatly reduced credit risk.

8. Channels of behavior

1.Offline:

The customers needs to check the credibility of the client in an online mode.

2.Online:

The customer need to install the Machine Learning algorithm in their system to work efficiently.