**SMART LENDER - APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL**

**PROPOSED SOLUTION:**

To deal with the problem, we developed automatic loan prediction using machine learning Techniques. We will train the machine with previous dataset. So machine can analyze and understand the process. Then machine will check for eligible applicant and give us result.

* Whole process will be automated, so human error will be avoided.
* Eligible applicant will be sanctioned loan without any delay.
* Time period for loan sanctioning will be reduced.

**PROBLEM SOLUTION FIT:**

We have successfully compared different machine

learning algorithms for the Property Loan dataset; they

are Random Forest, Naive Bayes, Logistic Regression and

K Nearest Neighbors about our system, details of the developers of the system

and also a button to go to the prediction page.

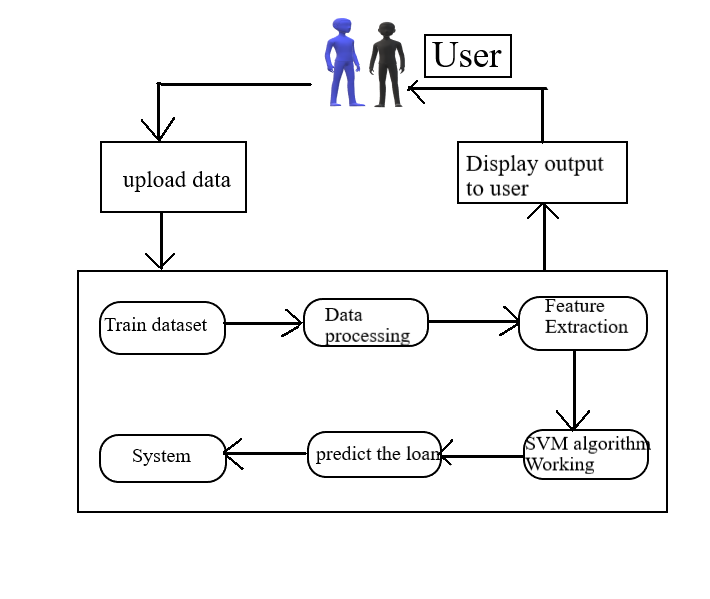
The next is the prediction page where the user can fill the

form to check whether he/she is eligible for loan approval

or not. It also includes comparison of different algorithms

in terms of accuracy in graphical representation. This page gives the report or analysis of the dataset that we have used to train the model. The last is the result page where it shows the result of whether the loan application is approved or not.

**SOLUTION ARCHITECTURE:**

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