INTRODUCTION

- Master card are broadly stratified due to the increase of online merchandising and the upswing of many-sided keen widgets.
- Master card is letting us to make net transactions in a simple manner so many of them are using it.
- As per recent research the card misrepresentation and faking of the cards been done in increasing manner, which is resulting into affliction of money ever year.
- Evaluations say that afflictions are drastically rising at paired digit rates by 2020.

ADVANTAGES OF PROPSED SYSTEM

- Performance is acceptable.
- Reduces the time required to anticipate the yield.
- Used for ongoing expectations of misrepresentation exchanges.
- The intent of our project is to find out the Charge card Fraud using the machine learning algorithms.
- We are using various machine learning algorithms to find the fraudulent transactions.
- The algorithms used are random forest, SVM ,KNN, Naive bayes to get the best accuracy, precision and recall score to determine the fault transactions from the input data set.

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS:

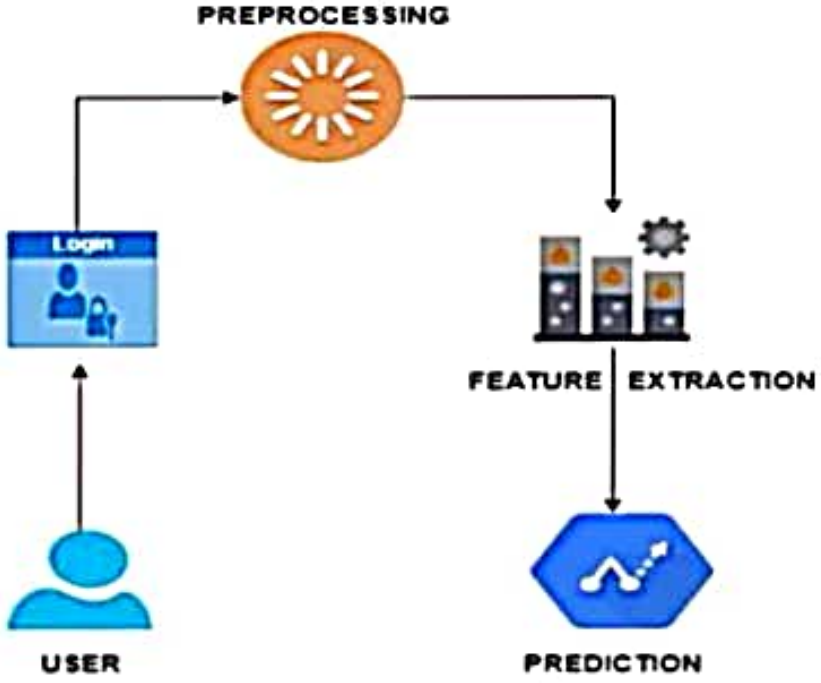
- 10 GB HDD (min)
- 128 MB RAM (min)
- Pentium P4 Processor 2.8 Ghz (min)

SOFTWARE REQUIREMENTS:

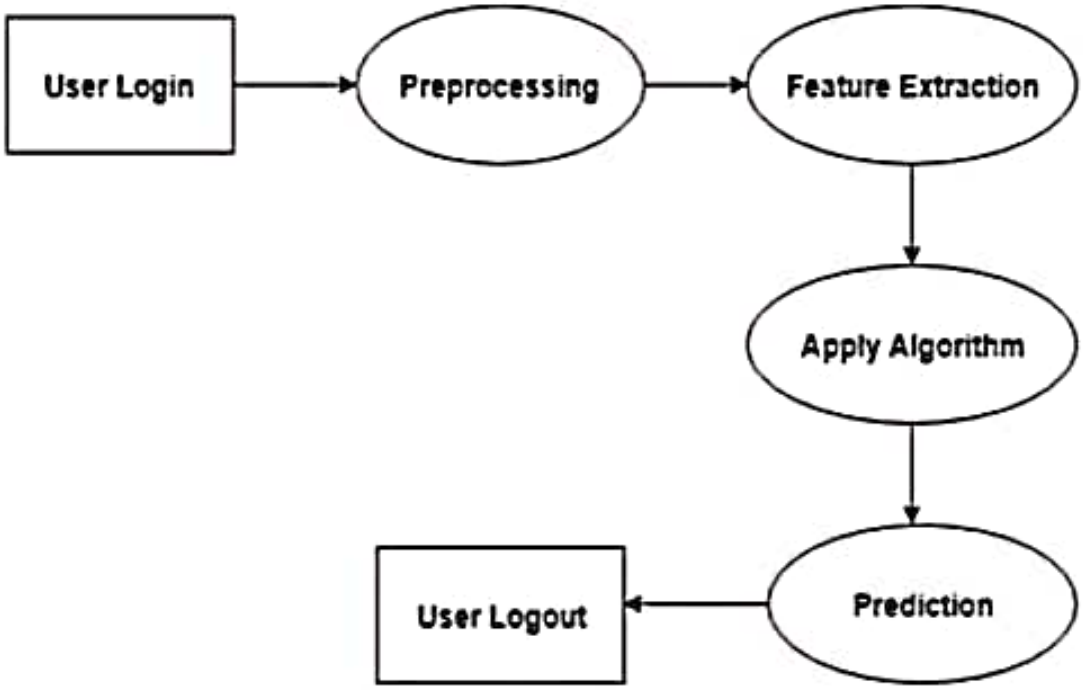
- Python 3.7 or higher IDE
- MySQL
- GUI

IMPLEMENTATION

- SYSTEM ARCHITECTURE



- DATA FLOW DIAGRAM



STEPS INVOLVED IN PROCESS:

- USER LOGIN: The user log in the project using the My-SQL for the security purpose. First user registers and then registered data is stored in the My-SQL and which helps to store user credentials and login the project with the user name and password.

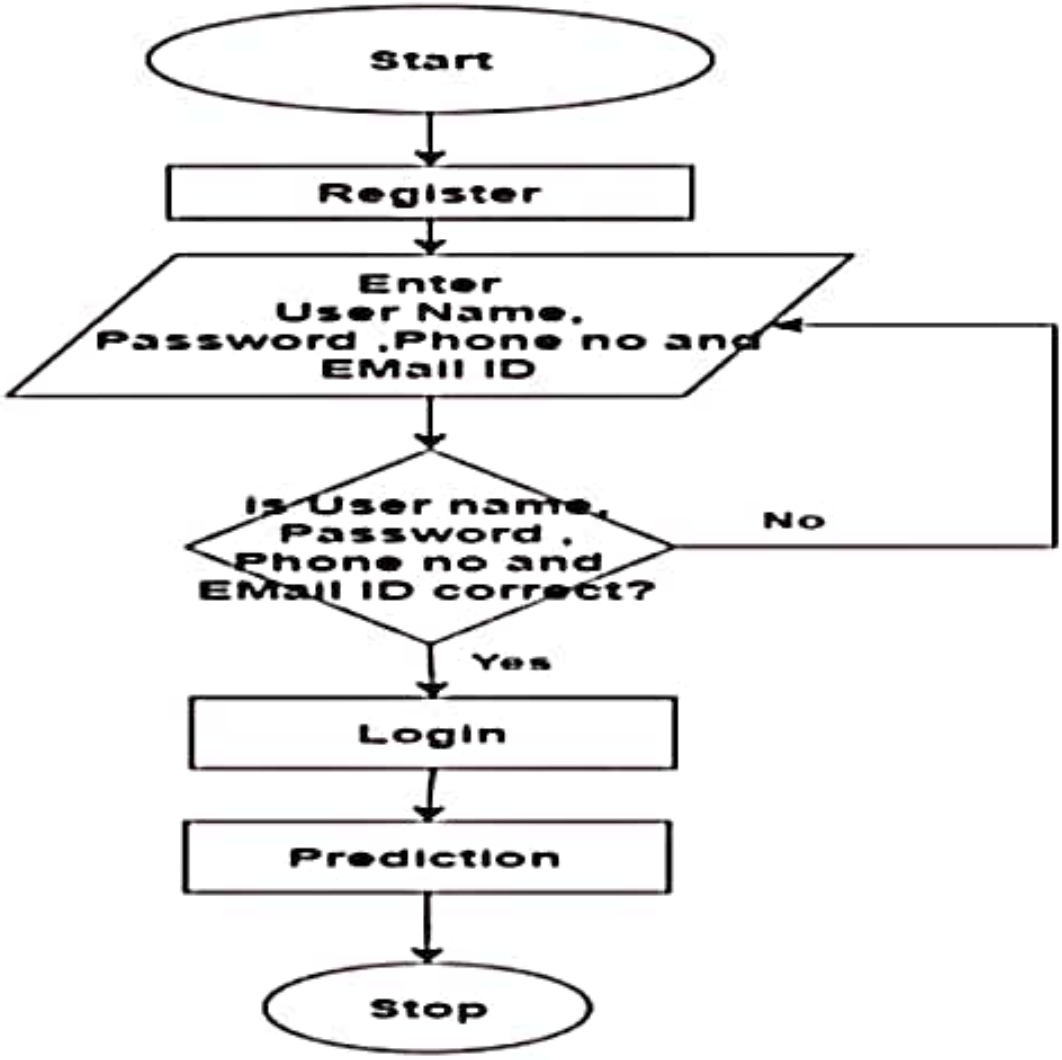
- PREPROCESSING :The dataset is used to read in the machine and its transformed from raw data into clean dataset. Hence the machine can understand the parameters and the different data types in the dataset.

- FEATURE EXTRACTION :

  In our project, we use the dimensionality reduction process by which an initial set of raw facts is compressed to more viable clusters for processing. The change of the original data is generated in the data set with a low number of variables.

- The dataset is having the principle parameters of Time, Amount and Class. Utilize these parameters we can anticipate the deceitful and non-fake exchanges of the charge card.

FLOW CHART:


Start
Register
Enter
User Name,
Password ,Phone no and
EMail ID
Is User name,
Password ,
Phone no and
EMail ID correct?
No
Yes
Login
Prediction
Stop