**LITERATURE SURVEY ON THE PROJECT AND INFORMATION GATHERING**

**INTRODUCTION:**

Liver disease prediction is the based on the accurate model we design a system which ask a person to entire details of his or her blood test report.Then the system uses the most accurate model which is train to predict whether a person has risk of liver disease or not.

**AIM:**

Use classification algorithms to identify the liver patients from healthy individuals .

Three classification algorithms SVM,KM and Bayes have been used for comparing their performance based on the liver patient data.

The GUI can be readily utilized by doctors and medical practitioners as a screening tool for a liver disease.

**EXISTING SOLUTION:**

There is no real time identity verification.

Not using data - mining technique to detect chances of getting liver disease

Some liver problems can be treated with lifestyle modifications such as stopping alcohol,use or losing weight typically as part of a medical program that includes careful monitoring of liver function.

**PROBLEM STATEMENT:**

One of the major disease in the world is liver disease . the liver is an important part of the large organs in the human body and is also consider a gland . this is because is creates and bites bile .

Liver disease is a liver problem that causes the disease .the objective of this study is to propose a rule based classification model with basic decision making techniques to predict various type of liver disease.

**PROPOSED SYSTEM:**

Proposed system will allowed people to get early prediction of getting chances of liver disease .

It did not require medical expertise .

Early prediction of liver disease can save human life and take proper steps to control the disease.

INFERENCES:

The functionality of the proposed system has to be tested for the kind of limitations that could put up constraints on the operations of the system.

The life of machine learning program is straight forward and can be summarized in following points:

Define a question

Collect data

Visualized data

Train algorithm

Test the algorithm

Collect feedback

Refine the algorithm

Loop 4-7 until the results are satisfying

Use the model to make a prediction

**CONCLUSION:**

The principle part of this work is to make an effective diagnosis system for chronic liver infection patients utilizing six distinctive supervised machine learning classifiers the application will have the option to predict liver infection prior and advice the well being condition .we just explode some popular supervised machine learning algorithms ,more algorithms can be picked to assemble an increasingly precised model of liver disease prediction and performance can be progressively improved .