**PROBLEM STATEMENT:**

Early Prediction of Heart Diseases Using Data Mining

Techniques

**DATA MINING TECHNIQUES USED IN THE PAPER:**

1. CART(Classification and Regression Tree)
2. ID3(Iterative Dichotomized 3)
3. DT(Decision Table)

**SOLUTIONS PROPOSED:**

CART, ID3 and decision table have been used to develop the prediction models using a large dataset. Then that model is used to predict attributes such as age, sex, blood pressure and blood sugar for chances of a patient getting heart disease. The data is analysed and implemented in **WEKA** ("Waikato Environment for Knowledge Analysis") tool.

Then used 10-fold-cross validation methods to minimize any bias in the process and improve the efficiency of the process.

**TASK PLANNED TO IMPLEMENT:**

We are planning to write a python code for the same solution proposed in paper, that is we are going to develop a prediction model using CART,ID3,DT in PYTHON and then will also write the code for those same 10-fold-closs validation methods and find the results.