Team ID	PNT2022TMID14141
Project Name	Project – Visualizing and Predicting Heart Diseases with an Interactive Dash Board

SPRINT DELIVERY 2

STEPS:

1.Load heart disease Data Set

2.Preprocessing the Data set

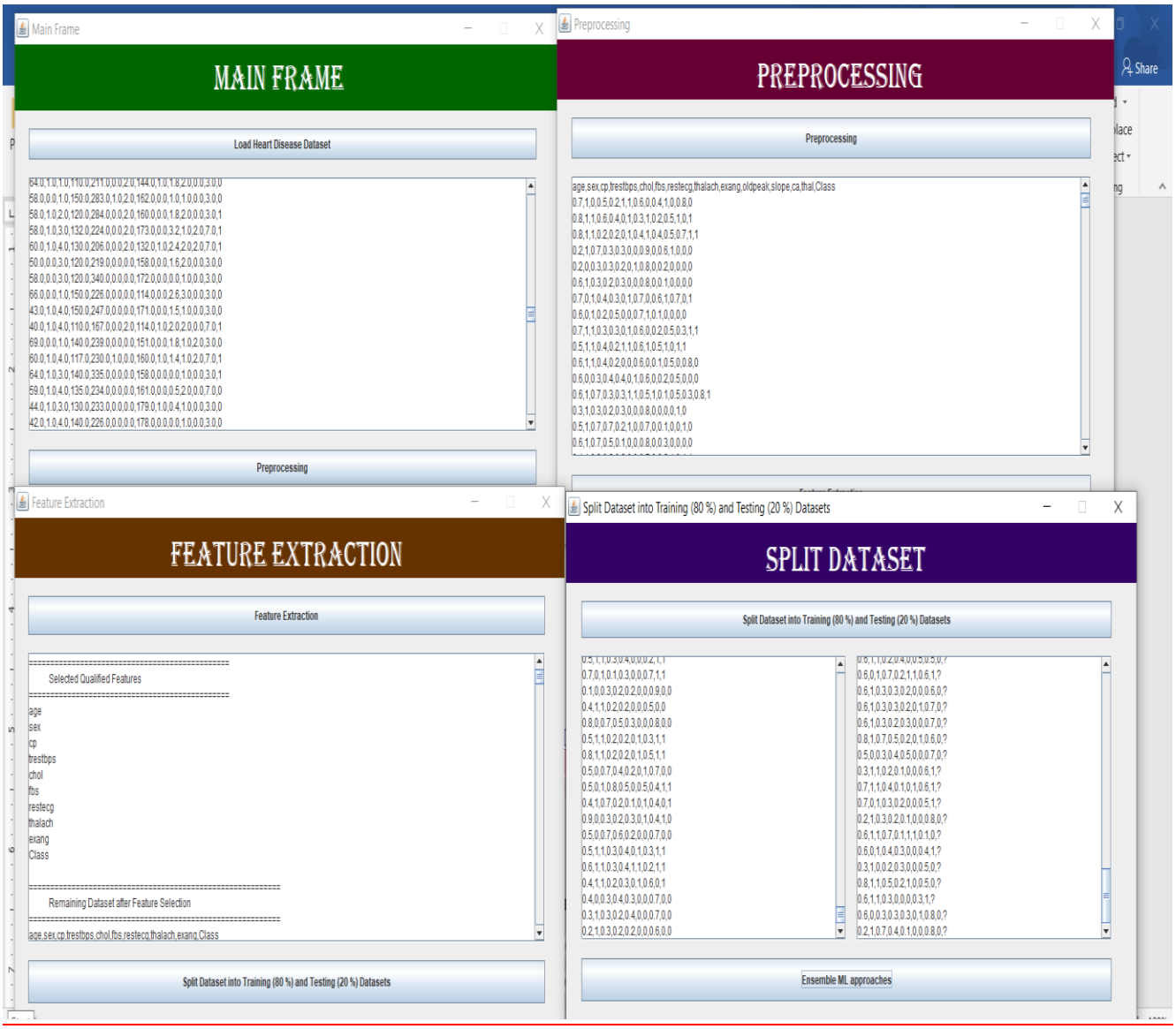
3.Feature Extraction

4.Spliting Data Set into training and testing Data set.

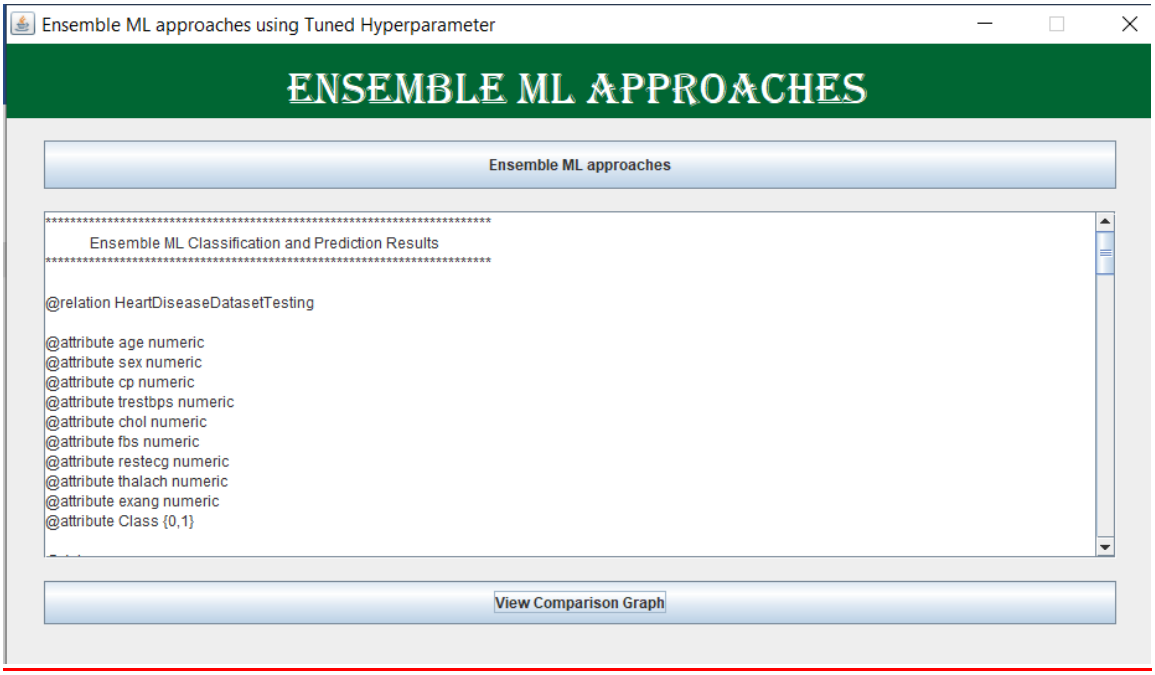
5.Ensemble Machine learning approaches

6.Comparison graph

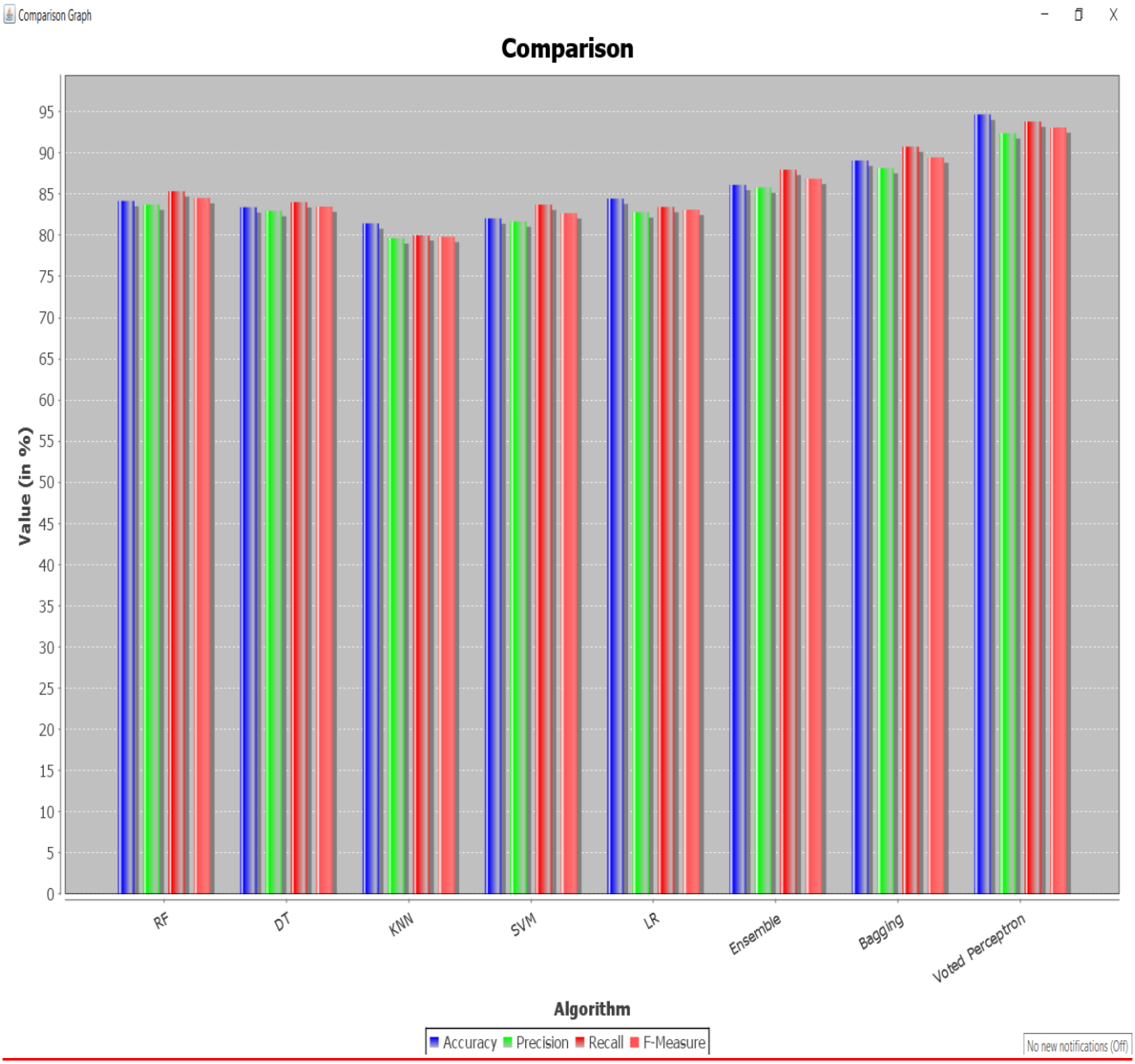
FRAME


Main Frame
MAIN FRAME
Load Heart Disease Dataset
Preprocessing
Preprocessing
PREPROCESSING
Preprocessing
Feature Extraction
FEATURE EXTRACTION
Feature Extraction
Selected Qualified Features
age
sex
cp
trestbps
chol
fbs
restecg
thalach
exang
Class
Remaining Dataset after Feature Selection
age,sex,cp,trestbps,chol,fbs,restecg,thalach,exang,Class
Split Dataset into Training (80 %) and Testing (20 %) Datasets
Split Dataset into Training (80 %) and Testing (20 %) Datasets
SPLIT DATASET
Split Dataset into Training (80 %) and Testing (20 %) Datasets
Ensemble ML approaches

ENSEMBLE ML APPROACHES



COMPARSION


Comparison Graph
Comparison
Value (in %)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
RF
DT
KNN
SVM
LR
Ensemble
Bagging
Voted Perceptron
Algorithm
Accuracy
Precision
Recall
F-Measure
No new notifications (Off)