
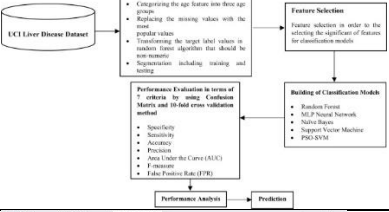
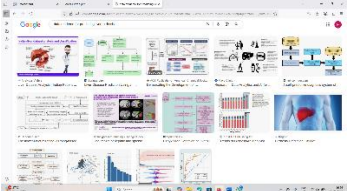
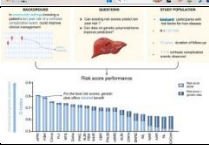


## Project Development Phase Model Performance Test

Date	27 JUNE 2025
Team ID	LTVIP2025TMID32411
Project Name	Revolutionizing Liver Care
Maximum Marks	

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	
2.	Data Preprocessing	 <pre> graph LR     A[UCI Liver Disease Dataset] --&gt; B[Preprocessing]     B --&gt; C[Features Selection]     C --&gt; D[Building of Classification Models]     D --&gt; E[Performance Analysis]     E --&gt; F[Prediction]         </pre> <p><b>Preprocessing</b></p> <ul style="list-style-type: none"> <li>Compressing the age feature into three age groups</li> <li>Replacing the missing values with the mean</li> <li>Transforming the target label values to make them algorithm that should be non-negative</li> <li>Segmentation including training and testing</li> </ul> <p><b>Features Selection</b></p> <p>Feature selection in order to the selecting the significant features for classification models</p> <p><b>Building of Classification Models</b></p> <ul style="list-style-type: none"> <li>Random Forest</li> <li>MLP Neural Network</li> <li>Naive Bayes</li> <li>Support Vector Machine</li> <li>PHO-BVM</li> </ul> <p><b>Performance Evaluation in terms of</b></p> <ul style="list-style-type: none"> <li>Confusion Matrix and F1-fold cross validation method</li> <li>Specificity</li> <li>Sensitivity</li> <li>Accuracy</li> <li>Precision</li> <li>Area Under the Curve (AUC)</li> <li>F1-score</li> <li>F1-score Rate (FPR)</li> </ul> <p><b>Performance Analysis</b> → <b>Prediction</b></p>
3.	Utilization of Filters	
4.	Calculation fields Used	
5.	Dashboard design	No of Visualizations / Graphs – 98%
6.	Story Design	No of Visualizations / Graphs -98%