
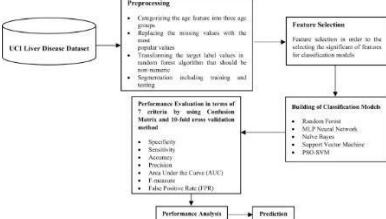
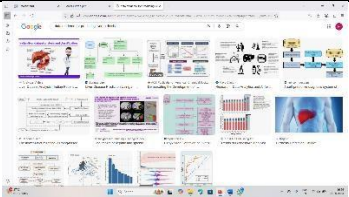
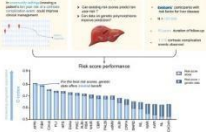


Project Development Phase Model Performance Test

Date	27 JUNE 2025
Team ID	LTVIP2025TMID46967
Project Name	Transfer learning baser classifications of polutary diseases
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] --> B[Preprocessing] B --> C[Performance Evaluation] C --> D[Feature Selection] D --> E[Building of Classification Models] E --> F[Performance Analysis] F --> G[Prediction] </pre> <p>Preprocessing:</p> <ul style="list-style-type: none"> Grouping the age feature into three age groups Replacing the missing values with the most popular values Transforming the target label values to random forest algorithm that should be new category Segmentation including training and testing <p>Performance Evaluation in terms of 7 criteria by using Confusion Matrix and 10 fold cross validation method</p> <ul style="list-style-type: none"> Specificity Sensitivity Accuracy Precision Area Under the Curve (AUC) F1 measure Fals Positive Rate (FPR) <p>Feature Selection: Feature selection is used to the reducing the significance of features for classification models</p> <p>Building of Classification Models:</p> <ul style="list-style-type: none"> Random Forest MLP Neural Network Naive Bayes Support Vector Machine PHO-BVM <p>Performance Analysis → Prediction</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%

