

Project Development Phase
Model Performance Test

Date	21 June 2025
Team ID	LTVIP2025TMID60884
Project Name	Revolutionizing Liver care Predicting Liver Cirrhosis using Advanced machine learning Techniques.
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	583 patient records from ILPD dataset (or custom hospital data)Features: Age, Gender, Total Bilirubin, Direct Bilirubin, ALT, AST, Alkaline Phosphatase, etc.
2.	Data Preprocessing	Missing value handling (mean imputation for numeric values)Label encoding (Gender, Liver Disease status) Outlier removal Feature scaling using StandardScaler
3.	Utilization of Data Filters	Filters applied in dashboard:• Age Group• Gender• Risk Level (Low/Medium/High)• ALT/AST range filters
4.	DAX Queries Used	Custom measures used (if in Power BI):• Cirrhosis Rate = $\text{DIVIDE}(\text{CALCULATE}(\text{COUNTROWS}(\text{Data}), \text{Data}[\text{Risk}] = \text{"High"}), \text{COUNTROWS}(\text{Data}))$ Avg_ALT_By_AgeGroup
5.	Dashboard design	No of Visualizations / Graphs
6	Report Design	No of Visualizations / Graphs