

Project Development Phase
Model Performance Test

Date	15 February 2026
Team ID	LTVIP2026TMIDS74725
Project Name	Heart Disease Analysis
Maximum Marks	5

Model Performance Testing:

S.No.	Parameter	Screenshot / Values
1	Data Rendered	The dataset used contains patient health records related to heart disease. Key fields include: <ul style="list-style-type: none"> • Age • Gender • BMI • Diabetes • Smoking • Alcohol Consumption • Physical Activity • Stroke • Heart Disease
2	Data Preprocessing	- <ul style="list-style-type: none"> • Verified and corrected data types (numeric, categorical) • Checked for missing/null values and handled appropriately • Renamed columns for clarity and consistency in Tableau
3	Utilization of Filters	Global filters used in the dashboard: <ul style="list-style-type: none"> • Age Group • Gender • Diabetes (Yes/No) • Smoking Status • Physical Activity Level All filters are applied across all visualizations to support interactive and comparative analysis
4	Calculated Fields Used	- <ul style="list-style-type: none"> • Age Group Classification • BMI Category (Underweight / Normal / Overweight / Obese) • Combined Risk Indicator (Heart Disease + Diabetes + Stroke)
5	Dashboard Design	<ul style="list-style-type: none"> • Included visualizations:<ul style="list-style-type: none"> • Bar Chart – Gender vs Heart Disease • Bar / Line Chart – Age vs Heart Disease • Bar Chart – Smoking & Alcohol Impact on Heart Disease • Bar Chart – Physical Activity vs Heart Disease • Bar Chart – Diabetic vs Stroke • Multivariable Chart – Age vs BMI vs Diabetic

6	Story Design	<ul style="list-style-type: none">• Tableau Story includes:• Demographic Risk Analysis• Lifestyle Impact on Heart Health• Medical Condition & Combined Risk Analysis
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