Project Development Phase
Model Performance Test

Date	27th June 2025
Team ID	LTVIP2025TMID48638
Project Name	Comprehensive Analysis and Dietary strategies with tableau: A college food case study.
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	CSV data from college food preference survey (`food_coded.csv`) was rendered into Tableau. Dataset Size: 6MB No.of Rows :125 No.of Columns:61
2.	Data Preprocessing	1)Removed null values 2)Standardized categories (e.g., comfort food types). 3)Converted numeric fields (e.g., calorie intake, GPA).

3.	Utilization of Filters	Used : • **Gender** • **Diet Type / Status** • **Cooking Frequency** • **Cuisine Preference** • **Comfort Food Types** • **Meal Payment Method** • **Parental Cooking Habits** • **Weight Self-Perception** • **Exercise Frequency** • **Vitamin Intake** • **Healthy Feeling** • **Life Rewarding Rating** • **Marital Status** • **Student GPA (using ranges)**
4.	Calculation fields Used	Created calculated fields: BMI Category Comfort Food Count Healthy Eating Index.

5.	Dashboard design	**No of Visualizations :** 1. GPA Distribution 2. Gender Distribution 3. Breakfast distribution 4. Calorie Consumption per day 5. Favourite Comfort Foods 6. Comfort Food Reasons 7. Cooking Frequency per week 8. Cuisine Preferences 9. Diet Status 10. Exercise Frequency 11. Employee Status 12. Healthy Feeling 13. Life Rewarding Rating 14. Marital Status 15. Nutritional Check 16. Parental Cooking Habits 17. Meal Payment Habits 18. Weight Self Perception 19. Sports Participation 20. Vitamin Intake 21. Weight Distribution 22. Eating out 23. Coffee Consumption **No.of Dashboards:** **1.** Responsive and Design of Dashboard : 6 visualizations **2.** Dietary Habits and Preferences: 6 Visualizations **3.** Health and Nutrition: 5 Visualizations **4.** Parental Influence and Eating Out: 3 Visualizations
6	Story Design	No of Stories: **1) A day in a life of Student: 5 Visualizations** • Gender Distribution • Breakfast Consumption • Coffee Consumption • Exercise • Employment Status **2)The Impact of Childhood Food Preferences on Adult Choices: 4 Visualizations** • Cusinie Students Grew • Comfort Food • Nutritional Check • Healthy Feeding