

Comprehensive Analysis and Dietary strategies with tableau: A College Food Choices Case Study

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TEAM ID	LTVIP2026TMIDS90659
PROJECT NAME	Comprehensive Analysis and Dietary strategies with tableau: A College Food Choices Case Study
MAXIMUM MARKS	4 MARKS

3.2 - Solution Requirement

The Solution Requirement defines the necessary components needed to address unhealthy food choices among college students using data analysis and visualization tools such as Tableau.

Functional Requirements

1. Data Collection System

- Collect data through surveys, questionnaires, and canteen sales records.
 - Gather information on food preferences, spending patterns, and meal frequency.

2. Data Analysis

- Analyze nutritional intake (calories, protein, fats, etc.).
 - Identify fast-food consumption trends.
 - Compare healthy vs. unhealthy food choices.

3. Data Visualization (Using Tableau)

- Create interactive dashboards.
 - Visualize spending behavior and consumption trends.
 - Display peak ordering times and dietary gaps.

4. Student Segmentation

- Classify students based on eating habits.
 - Identify high fast-food consumers.
 - Group students by budget and lifestyle.

