Project Design Phase Problem – Solution Fit

Date	19 June 2025
Team ID	LTVIP2025TMID59132
	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	2 Marks

Problem – Solution:

Problem:

College students often adopt poor dietary habits due to lack of awareness, accessibility to nutritious food, and minimal real-time feedback about their consumption patterns. This can result in nutritional deficiencies, reduced academic performance, and long-term health complications. Institutions lack a centralized, data-driven mechanism to monitor, analyze, and respond to these dietary trends in real time.

Solution:

This project proposes a Tableau-powered platform that visualizes dietary data, exercise patterns, and health perceptions among students. Through real-time data collection, transformation, and interactive visual analytics, stakeholders can proactively identify health risks, monitor student nutrition trends, and implement targeted interventions. Predictive models enable personalized dietary planning, fostering better student health and academic success through data-driven strategies.

Purpose:

- Understand the current dietary behavior and health challenges among college students.
- Deliver personalized, real-time nutritional insights and trends using Tableau dashboards.
- Promote evidence-based decisions for meal planning, health services, and awareness campaigns.
- Enable educational institutions to respond proactively to deficiencies or risky trends.
- Support students with tailored dietary suggestions to enhance overall well-being and academic outcomes.

Template:

Comprehensive Analysis and Dietary Strategies with Tableau

A College Food Choices Case Study - Revolutionizing dietary data visualization to drive informed decision-making and enhance student health and academic performance

