

Project Design Phase
Proposed Solution Template

Date	20/06/25
Team ID	LTVIP2025TMID59113
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1	Problem Statement	College students often struggle to make healthy food choices due to limited nutritional awareness, budget constraints, and lack of accessible dietary data. This leads to poor eating habits, health issues, and decreased academic performance.
2	Idea / Solution Description	This project aims to analyze the dietary patterns of college students using data visualization with Tableau. By collecting data from surveys and food consumption logs, the system provides personalized nutritional insights, visual patterns, and suggested improvements.
3	Novelty / Uniqueness	The uniqueness lies in integrating dietary analysis with intuitive data visualization tools like Tableau specifically for a college demographic. Unlike generic health apps, this approach focuses on academic environments, providing insights that combine nutrition, affordability, and accessibility.
4	Social Impact / Customer Satisfaction	This solution promotes better health among college students, potentially reducing stress and improving focus, energy levels, and academic outcomes. It encourages healthy living habits at a critical life stage.
5	Business Model (Revenue Model)	The project can adopt a freemium model where basic visual insights are free, while advanced features (like detailed dietary tracking, custom meal plans, and integration with campus cafeterias) are offered as premium services.
6	Scalability of the Solution	The model is scalable across different institutions by adapting data input formats and user preferences. It can be expanded to include meal logging integrations, cross-campus comparisons, and even regional health initiatives.