

**Project Design Phase**  
**Proposed Solution Template**

Date	14 June 2025
Team ID	LTVIP2025TMID47655
Project Name	A College Food Choices Case Study
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	College students often struggle with maintaining balanced diets due to irregular eating habits, limited food options, lack of nutritional awareness, and insufficient feedback mechanisms. Educational institutions lack real-time tools to monitor and analyze food preferences, consumption trends, and nutrition gaps, resulting in ineffective meal planning and suboptimal student satisfaction.
2.	Idea / Solution Description	We propose an interactive Tableau dashboard that leverages student food choice data—including meal frequency, dietary preferences, calorie range, and satisfaction levels—to visualize and analyze nutrition patterns. Users can dynamically filter, compare, and interpret trends across demographics, dining facilities, and timeframes, enabling administrators and students to make informed dietary and menu decisions.
3.	Novelty / Uniqueness	This solution combines diverse dietary dimensions (meal timing, nutrition intake, satisfaction ratings, preferences, budget behavior) into a single, interactive Tableau platform. It is user-friendly for non-technical stakeholders and enables real-time exploration, drill-down capabilities, and story-based presentations, which surpass traditional static health and food reports.
4.	Social Impact / Customer Satisfaction	By aligning food services with student preferences and needs, the dashboard fosters healthier eating habits and enhances well-being. It minimizes food waste, improves resource planning in campus kitchens, and boosts overall satisfaction among students, nutritionists, and canteen operators. It supports a more sustainable and responsive food ecosystem in educational settings.
5.	Business Model (Revenue Model)	This solution can be offered as a B2B or B2Edu data consulting product. Universities, student welfare departments, and food service contractors can subscribe to the dashboard as a service or purchase custom analytics and reporting solutions. Revenue streams may include periodic subscriptions, one-time implementation.

6.	Scalability of the Solution	The dashboard is easily scalable to accommodate additional datasets from new campuses, semesters, or demographic groups. It supports real-time integration with platforms such as Google Sheets, dining swipe systems, or nutrition trackers. It can be deployed via Tableau Cloud to provide broader access, real-time updates, and seamless collaboration across institutions.
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