

## Proposed Solution Template

Date	25 June 2025
Team ID	LTVIP2025TMID51754
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	5

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

S.No.	Parameter
1	<p><b>Problem Statement (Problem to be solved)</b>  College students often follow irregular and unhealthy eating patterns due to lack of awareness, limited time, and unbalanced food availability. These habits can lead to nutritional deficiencies, increased health risks, and reduced academic performance. There is a lack of data-driven tools to monitor and guide student food behavior.</p>
2	<p><b>Idea / Solution description</b>  We propose to collect and analyze food consumption data from college students and visualize it using Tableau dashboards. This solution will provide insights into dietary trends, food quality, cost vs nutrition, and behavioral patterns. The platform will also suggest personalized dietary strategies and improvements based on visual analytics.</p>
3	<p><b>Novelty / Uniqueness</b>  While nutrition tracking apps exist, this project is unique in combining institutional-level food choice analysis with customized recommendations using Tableau. It integrates food source data (cafeteria, home, outside), cost metrics, and student segmentation to enable both individual and administrative interventions.</p>
4	<p><b>Social Impact / Customer Satisfaction</b>  This solution will promote healthier eating habits, improve student well-being, and potentially reduce healthcare-related costs in the long run. It also empowers college administrations to enhance cafeteria offerings based on real consumption data. Students gain awareness, and institutions can use the insights for nutrition campaigns.</p>
5	<p><b>Business Model (Revenue Model)</b></p> <ul style="list-style-type: none"> <li>• Freemium model for individual students (basic dashboards free, personalized diet plans for a small fee)</li> <li>• Subscription-based model for colleges and universities to access analytics dashboards and reports</li> <li>• Collaboration with food vendors and campus nutritionists for sponsored suggestions and insights</li> </ul>