

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	29 June 2025
Team ID	LTVIP2025TMID48306
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data Upload & Integration	Upload CSV file, Connect Tableau to the dataset
FR-2	Data Cleaning & Preprocessing	Handle missing values, Encode categorical values
FR-3	Dashboard Creation	Create visualizations in Tableau, Add filters & tooltips
FR-4	Insight Presentation	Create story, Add captions and interactive highlights

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboards are user-friendly and easily understandable for non-technical users.
NFR-2	Security	Data is securely stored and access is restricted to authorized users only.
NFR-3	Reliability	System provides consistent and accurate insights without failure.
NFR-4	Performance	Dashboards load quickly and respond efficiently to user filters/interactions.
NFR-5	Availability	The solution is available 24/7 for users to access and analyze data anytime.
NFR-6	Scalability	Solution can support more datasets or users as the project expands.