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

Date	28 June 2025
Team ID	LTVIP2025TMID51433
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau : A College Food Choices Case Study
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards should be interactive, allowing users to drill down into data, filter results, and highlight specific trends with minimal effort.
NFR-2	**Security**	If different user groups have varying levels of access to the data, the Tableau Server/Cloud permissions should be configured to enforce these rules.

NFR-3	**Reliability**	The system should gracefully handle potential data errors or missing values, preventing them from breaking the visualizations.

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Dashboard Overview	Display key summary statistics at glance.
FR-2	Time-Based Trend Analysis	Show trends in food choices over time
FR-3	Specific Filters	Provide specific filters for individual visualizations
FR-4	Data Export	Enable users to export underlying data from any visualizations
FR-5	Responsive Design	The dashboard should be viewable and functional on various screen sizes
FR-6	Performance	The Dashboard should load quickly and respond to user interactions without significant lag.

Non-functional Requirements:

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

NFR-4	**Performance**	Dashboards should load quickly, idealy within a few seconds, even with a large dataset of food choices.
NFR-5	**Availability**	The Tableau dashboards and underlying data sources must be accessible to users whenever needed, ideally with 24/7 uptime, to support informed food choices and operational planning.
NFR-6	**Scalability**	The system must be capable of handling increasing volumes of food choices data and a growing number of concurrent users without degrading performance, allowing for future expansion of analysis and user base.