

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	16 June 2025
Team ID	LTVIP2025TMID49741
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Visualization	Generate Pie Chart Generate Donut Chart Generate Area Chart Generate Word Cloud
FR-4	Data Filtering and Sorting	Filter by Date Range Sort by Total Sales Filter by Branch or Product Line

#### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The system should have a user-friendly and intuitive <u>interface</u> .
NFR-2	<b>Security</b>	Secure login and user data encryption should be <u>implemented</u> .
NFR-3	<b>Reliability</b>	The system should perform consistently under expected loads without failure.
NFR-4	<b>Performance</b>	Visualizations should load within 3 seconds on average.
NFR-5	<b>Availability</b>	The system should be accessible 24/7 with minimum downtime.
NFR-6	<b>Scalability</b>	Should be scalable to handle large datasets or more branches in the future.