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

Date	24 June 2025
Team ID	LTVIP2025TMID49554
Project Name	Comprehensive Analysis & Dietary Strategies
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	Mindful Eating Programs	Conduct workshops and awareness sessions on mindful eating Provide guided stress-reduction tips in-app
FR-2	Nutrition-Tracking Mobile App	Enable users to log meals Track calories and nutrients Generate daily/weekly summaries
FR-3	Healthy Snacks Vending Machines	Machines Allow students to view availability and locations via app Track snack purchases for nutritional info
FR-4	Mess Food Feedback	Provide feedback form for mess food quality
FR-5	Discounted Healthy Food Access	Partner with local vendors to offer discounts
FR-6	Dietitian Collaboration	Schedule appointments or chat with dietitians

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be intuitive and designed for mobile-first use by college students.
NFR-2	Security	Personal and dietary data must be protected through encryption and secure login/authentication.
NFR-3	Reliability	The system should function consistently without failures, ensuring features even during peak usage.
NFR-4	Performance	The app should load under 2 seconds and handle at least 1,000 simultaneous users without lag.
NFR-5	Availability	App should support screen readers, large text, and colour- blind-friendly design.
NFR-6	Scalability	Should support future features like multi-campus rollouts and add-ons like chatbot assistance.