**Project Design Phase-II**

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

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| Date | 26 Jan 2025 |
| Team ID | LTVIP2025TMID47910 |
| 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.

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| **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 collection |  |
| FR-4 | Data visualizations | Show trends in food preference (Veg/Non-Veg)  Visualize nutritional intake by gender/age |
| FR-5 | Dashboard Interaction | Enable slicers for meal type (breakfast, lunch, etc.) |
| FR-6 | Export & Sharing | https://public.tableau.com/app/profile/surendra.boddapu/viz/ACollegeFoodChoicesCaseStudy3/ParentalInfluenceandEatingOut |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The dashboard must be user-friendly and intuitive for faculty and students |
| NFR-2 | **Security** | User data should be protected using basic authentication if personal info is shown |
| NFR-3 | **Reliability** | Data must load consistently without failure or broken views |
| NFR-4 | **Performance** | Dashboards must load in under 5 seconds for standard users |
| NFR-5 | **Availability** | Dashboards must be available online with 99% uptime |
| NFR-6 | **Scalability** | Should support future additions like new meal types or hostels |