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

Date	1 June 2025
Team ID	LTVIP2025TMID48098
Project Name	Cosmestic Insights: Navigating Cosmetics Trends and Consumer Insights with Tablaue
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
FR-2	User Confirmation	Confirmation via Email
FR-3	Data Collection	Collect data from Instagram Graph API, Reddit forums, and e-commerce product reviews
FR-4	Data Visualization (Dashboard)	Display insights on Tableau dashboard, apply filters (brand, region, platform), export reports
FR-5	Sentiment and Trend Analysis	Extract keywords, perform sentiment analysis, identify trending products or consumer topics
FR-6	User Interaction with Insights	Search, filter, and customize dashboard views based on user preferences

Non-Functional Requirements

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard interface must be user-friendly, intuitive, and responsive.
NFR-2	Security	API access and user data should be protected via OAuth 2.0 and HTTPS.
NFR-3	Reliability	The system should consistently provide accurate and complete data.
NFR-4	Performance	The dashboard must load insights within 3 seconds under normal conditions.
NFR-5	Availability	The service should be available 99.9% of the time through

FR No.	Non-Functional Requirement	Description
		cloud hosting.
NFR-6	Scalability	The system should support integration of additional data sources or brands easily.