Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2025TMID52150
Project Name	*Cosmetic Insights: Navigating Cosmetics Trends and Consumer Insights with Tableau*
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 Upload & Integration**	- Upload datasets in CSV/Excel - API integration for live data - Social media feed input (e.g., Twitter, Instagram)
FR-4	**Data Processing & Preparation**	- Handle missing values - Format date, region, and category fields - Normalize datasets for consistency
FR-5	**Visualization & Reporting**	- Create bar, pie, line, and map charts - Generate dynamic filters (e.g., by region, sentiment) - Enable download/export of reports
FR-6	**Dashboard Management**	- Create/edit dashboards - Share dashboard via link or email - Embed dashboards in external websites
FR-7	**User Story & Trend Building**	- Build and publish stories (Tableau storyboards) - Combine multiple views into a single narrative

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-8	User Access Management	- Role-based access (Admin, Analyst, Viewer) - Login/logout functionality - Password recovery feature

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	User interface should be intuitive and easy to navigate even for non-tech users.
NFR-2	Security	Secure user authentication, encrypted data transfer, and role-based access control.
NFR-3	Reliability	System must perform consistently without failure during normal operation.
NFR-4	Performance	Dashboard should load and respond within 3 seconds under normal usage.
NFR-5	Availability	The system should have at least 99% uptime, including Tableau dashboards and backend services.
NFR-6	Scalability	The architecture should support scaling to handle increasing data volume and user load without degradation.