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

Date	21 June 2025
Team ID	LTVIP2025TMID49745
Project Name	Cosmetic insights:Navigating Cosmetic 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	Data Integration	Connect Tableau to Cosmetic data Verify data Schema
FR-2	Data Preparation & Cleaning	Remove duplicate and null records Create Calculated Fields
FR-3	Dashboard Creation	Create Regional sales visual Add product Performance section Design customer analysis section
FR-4	Visualization Requirement	Bar Chart Pie Chart Line Chart Heat Map
FR-5	User Interaction Features	Add data filter Add dropdown filter for product Line and Region
FR-6	Reporting and Insights	Write summary insights
FR-7	Collaboration and Scalability	Optimize data extracts instead of live connections Minimize complex calculations visuals

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards should have a clean, intuitive layout that is easy to navigate for both technical and non-technical users. Visual elements like legends, filters, and tooltips must support easy understanding and interaction.

NFR-2	**Security**	Sensitive information such as customer identities or financial figures must be protected using data masking and access controls. Only authorized users should be able to view or edit sensitive dashboards.
NFR-3	**Reliability**	The system must consistently deliver accurate and up-to-date insights. Data updates and scheduled refreshes should run reliably without error to avoid displaying outdated or incorrect information.
NFR-4	**Performance**	The Tableau dashboards must load quickly, ideally within 3 to 5 seconds, even when processing large volumes of cosmetic sales data. User interactions like filtering or hovering over charts should remain smooth and responsive.
NFR-5	**Availability**	Dashboards must be accessible at all times, especially during business hours, whether hosted on Tableau Public or Server. Scheduled data refreshes and backups must be in place to prevent downtime or data loss.
NFR-6	**Scalability**	The system should be capable of handling increasing amounts of data, such as expanding product lines or new store locations. Dashboards must be designed to adapt and grow with future business needs.
NFR-7	**Portability**	Dashboards must be accessible on various devices including mobile phones, tablets, and desktops. Compatibility across all major browsers should be ensured for a seamless experience.
NFR-8	**Maintainability**	The solution should be easy to update when new metrics, product categories, or business logic are introduced. All calculated fields and filters should be clearly documented for future modifications.