Solution Requirements (Functional & Non-functional)

Date	12 February 2026
Team ID	LTVIP2026TMIDS75097
Project Name	Strategic Product Placement Analysis: Unveiling Sales Impact with Tableau Visualization
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 Collection	Import supermarket sales dataset Include product category and placement data
FR-2	Data Cleaning & Preparation	Remove missing values Standardize product categories and placement fields
FR-3	Sales Analysis	Analyse sales based on product placement Compare shelf positions and sales performance
FR-4	Data Visualization	Create bar charts and line charts Create placement-wise sales comparison charts
FR-5	Dashboard Creation	Design interactive Tableau dashboard Apply filters (Category, Placement, Date, Region)
FR-6	Insight Generation	Identify high-performing placements Provide strategic recommendations

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboard should be simple, clear, and easy to interpret.
NFR-2	**Security**	Sales data should be protected and accessible only to authorized users.
NFR-3	**Reliability**	System should provide accurate sales impact analysis.
NFR-4	**Performance**	Dashboard should load quickly even with large datasets.
NFR-5	**Availability**	System should be accessible whenever analysis is required.
NFR-6	**Scalability**	System should handle increasing product and sales data efficiently.