Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	26 June 2025
Team ID	LTVIP2025TMID51634
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
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 & Access	- Register via form - Login via email (student/admin)
FR-2	Survey & Data Collection	**Data Integration** – Import sales, inventory, and customer data (CSV, Excel, CRM).
FR-3	Dashboard Access	**Sales Dashboard** – Visualize product sales by category, region, and time.
FR-4	**Inventory Dashboard**	**Inventory Dashboard** – Track stock levels, stock-outs, and overstock.
FR-5	**Customer Insights**	**Customer Insights** – Analyze purchase behavior, repeat orders, and sentiment.
FR-6	**Filtering & Segmentation**	**Filtering & Segmentation** – Filter data by age, region, product type, etc.
FR-7	**Forecasting**	**Forecasting** – Predict product demand using historical trends.
FR-8	Export and Report Generation	- Export dashboards as PDF or images - Download summary nutrition reports
FR-9	Admin Data Management	- Admins can upload, approve, and refresh survey datasets

Non-Functional Requirements

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be intuitive and accessible across mobile and desktop.
NFR-2	Performance	Dashboards and filters must load within 3 seconds with large datasets.
NFR-3	Security	All user data and responses must be encrypted and securely stored.
NFR-4	Reliability	The system must operate consistently without crashes or major bugs.
NFR-5	Scalability	The platform should handle increasing data across semesters or institutions.