Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	23 June 2025
Team ID	LTVIP2025TMID49620
Project Name	ToyCraft Tales _ Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Functional Requirements:

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	Dashboard Access	View Interactive Dashboards
		Filter Data by Region, Product, Age Group
		Download Reports (PDF/Excel/Image)
FR-4	Data Integration	Connect to CSV, Excel, SQL Data Sources
		Schedule Auto Refresh of Data
		Combine Sales, Demographics, and Product Data
FR-5	Trend & Sales Analysis	Show Sales Over Time (Monthly/Seasonal)
		Compare Year-over-Year Growth
		Highlight High-Selling Toys
FR-6	Consumer Insights	Segment Preferences by Age, Gender, Location
		Show Category-wise Preference

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The platform must be user-friendly and intuitive for business users with minimal training.
NFR-2	**Security**	Secure login (OAuth), encrypted data access, and role-based access control must be in place.
NFR-3	**Reliability**	System must operate consistently with minimal errors; data must be accurate and up-to-date.
NFR-4	**Performance**	Dashboards should load within 3–5 seconds under normal data volume conditions.
NFR-5	**Availability**	The platform should have 99% uptime and be accessible 24/7 for global teams.
NFR-6	**Scalability**	Should handle increased data (e.g., more toys, customers, regions) without redesigning the architecture.