

Project Design Phase
Proposed Solution Template

Date	21 June 2025
Team ID	LTVIP2025TMID48991
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Users, especially students, educators, and small business owners, lack an easy way to access and understand toy manufacturing data. Existing data sources are scattered, static, and require technical skills to interpret.
2.	Idea / Solution description	A Flask + ngrok-based web app with a clean UI that embeds Tableau dashboards, charts, and stories to provide interactive toy industry insights. It includes a contact form for community participation and sends welcome emails to valid users.
3.	Novelty / Uniqueness	Combines open-source technologies (Flask, Tableau Public) to deliver focused toy manufacturing data visualizations without requiring complex setup or advanced analytics skills. Lightweight, accessible via shared link, no installation needed.
4.	Social Impact / Customer Satisfaction	Empowers non-technical users to explore industry data easily, supporting education, small businesses, and hobbyists. Builds a sense of community through participation and feedback, enhancing satisfaction and engagement.
5.	Business Model (Revenue Model)	Initially free as an educational tool; can evolve to offer premium insights, custom dashboards for businesses, or ad-free experiences. Potential for partnerships with toy industry stakeholders or educational institutions.
6.	Scalability of the Solution	Designed for easy scaling — can move from ngrok + local server to cloud deployment (AWS, GCP, Azure) with microservices or 3-tier architecture. Additional data sources, APIs, or features can be integrated without major redesign.