Project Planning

Date	31 January 2026
Team ID	LTVIP2026TMIDS24931
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Project Timeline Plan

Phase 1: Data Collection

• Download the US Toy Manufacturers dataset from Kaggle
• Understand the dataset structure (State, Year, Number of Manufacturers, Index)
• Load the dataset into Tableau Desktop / Tableau Public

Phase 2: Data Preparation

• Check for missing or inconsistent values
• Correct data types (Year as number, State as category, etc.)
• Rename fields and create calculated fields if required
• Prepare the dataset for visualization in Tableau

Phase 3: Visualization Creation

• Create the required sheets, such as:
o Number of Manufacturers by Year (Line Chart)
o Manufacturers by State (Bar Chart)
o Top 10 States by Number of Manufacturers (Bar Chart)
o State-wise Distribution (Map)
o Distribution by Index / Measure (Pie Chart)
o Trend Comparison Views (if applicable)
o Filter-based views for Year and State
o Summary / Highlight Table (optional)

Phase 4: Dashboard and Story

• Combine all important sheets into a single interactive dashboard
• Add filters for Year and State
• Apply formatting and layout for better readability
• Create a story with multiple scenes (Introduction, Trend, State-wise Analysis, Top States, Conclusion)

Phase 5: Publishing

• Publish the dashboard and story on Tableau Public
• Verify the published views online
• Copy the share links and embed codes

Phase 6: Web Integration

• Create a Flask project structure
• Create HTML templates (Home, Dashboard, Story)
• Embed the Tableau Dashboard and Story using embed code
• Run the Flask application and verify the integration

Phase 7: Documentation and Video

• Prepare project documentation (Problem, Objective, Architecture, Results, Conclusion, etc.)
• Capture screenshots of dashboard and story
• Record the project demonstration / explanation video

Resources Required

• Tableau Desktop / Tableau Public
• Tableau Public account (for publishing)
• Python and Flask framework
• Laptop / PC with internet connection
• Kaggle dataset (US Toy Manufacturers 2005–2016)