Project Design Phase

Solution Architecture

Date	23 June 2025
Team ID	LTVIP2025TMID51876
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis using Tableau
Maximum Marks	4 Marks

Solution Architecture: -

- Solution architecture is a structured process that bridges the gap between economic data analysis problems and modern data visualization solutions. Its goals are to:

- Find the best tech solution to solve the challenges in visualizing scattered global economic indicators.

- Describe the system's structure and behavior to stakeholders (students, analysts, researchers).

- Define key features, data flow, and platform integration using Tableau.

- Guide the solution's development and delivery through organized architecture.

Key Aspects

Business Problem

Policy makers, analysts, and students face difficulty interpreting how economic freedom correlates with GDP growth, inflation, and unemployment due to scattered datasets and lack of unified visualization.

Technology Solution

The solution uses Tableau Public to create an interactive dashboard. It combines data from the Index of Economic Freedom and prosperity indicators (GDP, inflation, unemployment) from World Bank datasets. Users can filter by region, year, and country to explore meaningful insights through maps, scatter plots, and charts.

Features

- Choropleth map showing 2022 Economic Freedom Scores

- Top 40 & Bottom Countries based on Index Score

- Scatter plots: Freedom Score vs GDP, Unemployment, Inflation

- Correlation analysis between Inflation and Unemployment

- Country-level filters, downloadable insights, and public access

Solution Delivery

- Hosted via Tableau Public Dashboard

- Published using merged CSV dataset

- Shared through public URL and snapshots for reports and presentations