Project Design Phase-II

Technology Stack (Architecture & Stack)

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

Technical Architecture: -

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

S.No	Component	Description	Technology
1	User Interface	Dashboard view	Tableau Public
2.	Application Logic-1	Data filtering	Tableau filters and parameters
3.	Application Logic-2	Visualization	Tableau dashboards & calculated fields
4.	Application Logic-3	Not used (optional)	—
5.	Database	Source dataset	`index_of_economic_freedom.csv` in Excel/CSV format
6.	Cloud Database	Hosted data files	Google Drive / Tableau Public
7.	File Storage	Source file storage	Local system / Google Drive
8.	External API-1	World Bank API	Word Bank
9.	External API-2	((Optional) Map service	Google Maps API (if used)
10	Infrastructure	Cloud hosting	Tableau Public

Table-2: Application Characteristics: -

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Uses open data (Heritage Foundation, World Bank, Kaggle) and Tableau Public	Tableau Public, Excel
2.	Security Implementations	Tableau's privacy settings and data control on Tableau Public	Tableau Privacy Settings
3.	Scalable Architecture	Can visualize more countries, years, and indicators	Tableau filters, cloud storage
4.	Availability	Dashboards accessible 24/7	Tableau Public
5.	Performance	Uses lightweight datasets and fast-loading dashboards	Tableau filters, pre-aggregated data