

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

<b>DATE</b>	
<b>TEAM ID</b>	LTVIP2026TMIDS36417
<b>PROJECT NAME</b>	Measuring the pulse of prosperity -an index of economic freedom analysis

#### **Functional Requirements:**

Following are the functional requirements of the proposed solution

S.No	FUNCTIONAL REQUIREMENTS	SUB REQUIREMENTS ( Sub / sub Task
1.	Data collection	1. Downloading the data set
2.	Working with data set	1. Understand the data 2. Import dataset into database and connect tableau desktop to dashboard server
3.	Data visualization	1. <b>No.of visualization,</b> <ul style="list-style-type: none"> <li>● 2022 Economic freedom score</li> <li>● Top 40 ranking countries in the index</li> <li>● Bottom ranking countries in the index</li> <li>● Index score based on unemployment rate</li> <li>● Index score based on financial freedom</li> <li>● Index score based on population</li> <li>● Index score based on 5 year on GDP growth rate(%)</li> <li>● Inflation rate in different countries</li> <li>● Correlation between inflation and unemployment</li> <li>● Correlation between GDP(PPP) and monetary freedom</li> <li>● Top 40 countries by GDP growth rate</li> </ul>

4.	Dashboard	1. Creating the Dashboard
5.	Story	1. Creating the story board
6.	Publishing and web integration	1. Publishing dashboard and reports to tableau public 2. Integrating with Web with Embed code
7.	Performance testing	1. Amount of Data Rendered to DB 2. Utilization of Data Filters

## Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

S.NO	NON- FUNCTIONAL REQUIREMENTS	DESCRIPTION
1.	Usability	The dashboard should be simple, interactive, and easy to understand with clear visualizations and responsive filters.
2.	Security	The system must protect economic data and analysis results from unauthorized access and ensure data integrity.
3.	Reliability	The analysis should consistently produce accurate and repeatable results using the same data and methods.
4.	Performance	The system should efficiently process economic freedom data and generate results without significant delays.
5.	Availability	Project data and analytical outputs should be accessible whenever needed for study, collaboration, or evaluation.
6.	Scalability	The system must support the addition of more countries, indicators, and time periods without affecting performance.