

Project Initialization and Planning Phase

Date	8 December 2025
Team ID	XXXXXX
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

Project Proposal (Proposed Solution):

Project Overview	
Objective	To develop a unified, interactive Power BI dashboard that standardizes global inflation data, enables accurate trend analysis, and supports reliable forecasting for strategic decision-making.
Scope	<ol style="list-style-type: none">1. Collect, clean, and standardize inflation data from multiple countries.2. Integrate all datasets into a centralized data model in Power BI.3. Build visuals showcasing trends, comparisons, and correlations.4. Implement forecasting techniques using available historical data.5. Deliver insights and recommendations tailored to each market.
Problem Statement	
Description	Global inflation data is inconsistent across regions due to varying formats and reporting methods, making integration difficult. Additionally, many countries lack sufficient historical data, limiting the accuracy of forecasting and long-term analysis.

Impact	Solving these issues will enable the organization to generate reliable cross-country inflation insights, support accurate forecasting, and improve pricing, budgeting, and investment decisions across global markets.
Proposed Solution	
Approach	<ol style="list-style-type: none"> 1. Establish a standardized data preparation workflow to clean and unify datasets. 2. Build a centralized Power BI data model for integration and analysis. 3. Use Power Query for transformation and DAX for calculated measures. 4. Apply forecasting techniques using available historical data. 5. Create interactive dashboards to visualize inflation trends and support decision-making.
Key Features	<ol style="list-style-type: none"> 1. Standardized global inflation dataset across all regions. 2. Centralized Power BI model enabling consistent comparison. 3. Trend analysis, cross-country benchmarking, and forecasting tools. 4. User-friendly visuals for decision-makers and strategic teams. 5. Automated refresh and scalable architecture for continuous updates.

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	Intel(R) Core(TM) i3-10110U CPU @ 2.10GHz
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	233 GB
Software		
Frameworks	Python frameworks	Microsoft Power BI Desktop
Development Environment	IDE, version control	Power BI Desktop
Data		
Data	Source, size, format	Kaggle dataset, Number of rows: 196 Number of columns: 47 CSV file