Project Initialization and Planning Phase

Date	04 Oct 2025
Team ID	
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

Project Overview

Objective

To build an interactive Power BI dashboard that visualizes and analyzes global inflation trends, enabling decision-makers to gain insights by comparing inflation rates across countries and regions.

Scope

- Collection, cleaning, and consolidation of global inflation datasets.

- Mapping countries to their respective regions.

- Designing and implementing a dynamic dashboard with key metrics, comparisons, and filtering capabilities.

- Providing intuitive visualizations and enabling data exploration by time, region, and inflation rate category.

- Delivery of user documentation and basic user training.

Problem Statement

Description

Economic stakeholders struggle to interpret and act on complex, fragmented inflation data due to the lack of a unified, visual platform. This slows down decision-making and limits the effectiveness of economic policy and risk assessment.

Impact

A comprehensive and interactive dashboard will empower users to identify inflation patterns, compare economic risks, and make informed policy or business decisions faster and more accurately.

Proposed Solution

Approach

- Aggregate historical and real-time inflation datasets from reliable sources.

- Standardize and enrich data to establish consistency and region mapping.

- Develop a Power BI dashboard featuring interactive KPIs, charts, and slicers for customized analysis.

- Implement data-driven filters for period, country, region, and inflation categories.

Key Features

- Interactive global and regional inflation timeline analysis.

- Visual categorization of inflation (low, moderate, high) across geographies.

- Side-by-side comparison between actual and adjusted inflation rates.

- User-friendly dashboard for diverse stakeholders (policy, finance, business).

- Export and drill-down functionalities for deeper analysis.

Resource Requirements:

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	NVIDIA GETFORCE 2GB
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	256 GB SSD
Software		
Frameworks	Dash Board, Data visualizations	Power bi
Data		
Data	Source, format	Power BI Inflation Analysis: Journeying Through Global Economic Terrain (Kaggle Dataset)