Project Initialization and Planning Phase

Date	25 June 2025
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

Project Overview	
Objective	To visualize and analyse global inflation data using Power BI to understand historical trends, highlight extreme values, and compare Inflation across countries and regions.
Scope	The project includes cleaning and processing global inflation data, building visual dashboards, identifying trends and insights, and presenting regional comparisons. It focuses on select years and countries based on data availability.
Problem Statement	
Description	Inflation data is often hard to interpret in raw form, especially when comparing across time, regions, or countries. A lack of visual insight makes decision-making and understanding difficult for researchers and students.
Impact	Solving this problem will help users easily explore inflation data, spot critical trends (e.g., peak years, regions with low inflation), and support educational or economic decision-making processes. It also improves analytical and visualization skills.
Proposed Solution	
Approach	1. Collect and clean historical inflation data from reliable sources (e.g., IMF or Kaggle). 2. Import the dataset into Power BI. 3. Create visual reports showing average inflation, max/min values,

	country-wise and year-wise comparison, and regional grouping. 4. Apply filters, slicers, and cards for better interactivity.
Key Features	- Interactive Power BI dashboard - Country-wise and region-wise comparisons - Highlighting highest/lowest inflation events - Visual KPIs like average global inflation, max inflation year, etc. - Easy-to-understand layout for academic use

Resource Requirements

Resource Type	**Description**	**Specification/Allocation**
Hardware		
Computing Resources	Laptop	12th Gen Intel i5-1235U
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	512 GB SSD
Software		
Frameworks	Power BI Desktop	Latest Version
Libraries	Additional libraries	None
Development Environment	IDE, version control	PowerBI, GitHub,Excel
Data		
Data	Global Inflation Dataset	Source: Kaggle/IMF Size: ~1 MB Format: CSV