

Project Design Phase
Proposed Solution Template

Date	27 MARCH 2025
Team ID	PNT2025TMID06667
Project Name	Project - Power BI Inflation Analysis Journeying Through Global Economic Terrain.
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This project, "Power BI Inflation Analysis – Journeying Through Global Economic Terrain," aims to address these challenges by leveraging Power BI's real-time data integration, interactive dashboards, and predictive analytics to track and forecast inflation trends. By centralizing inflation-related data and providing an intuitive visual representation, this tool empowers stakeholders to make data-driven decisions, identify key inflation drivers, and mitigate economic risks proactively.
2.	Idea / Solution description	The "Power BI Inflation Analysis – Journeying Through Global Economic Terrain" project provides a data-driven, real-time, and interactive solution for analyzing and forecasting inflation trends. It leverages Power BI's advanced visualization, data integration, and AI-powered predictive analytics to address the challenges of traditional inflation tracking methods.
3.	Novelty / Uniqueness	One of its unique features is the use of Power BI's AI-powered predictive analytics, which enables trend forecasting and scenario modeling—helping policymakers and businesses anticipate inflation risks before they occur. Additionally, the project provides interactive dashboards with drill-down capabilities, allowing users to analyze inflation trends by country, sector, or timeframe with just a few clicks.
4.	Social Impact / Customer Satisfaction	The "Power BI Inflation Analysis – Journeying Through Global Economic Terrain" project has a significant social and economic impact, empowering policymakers, businesses, and individuals with real-time, data-driven insights into inflation trends. By providing an interactive and accessible platform for inflation analysis,

		the project enhances financial awareness and economic planning, helping governments implement better policies to control inflation and mitigate economic risks.
5.	Business Model (Revenue Model)	<p>1. Freemium Model (Basic Free Version) Provides limited access to global inflation data with basic visualizations. Aimed at students, researchers, and small businesses looking for general insights.</p> <p>2. Subscription-Based Model (Premium Plans) Individual Subscription: Monthly/Yearly fee for access to advanced analytics, forecasting models, and interactive dashboards. Business Subscription: Targeted at financial institutions, corporations, and policymakers. Offers sector-specific inflation analysis, API integration, and in-depth reporting tools. Pricing varies based on data access and customization levels.</p> <p>3. API Access & Data Licensing Monetizing access to inflation datasets and predictive models through API subscriptions. Banks, investment firms, and fintech companies can integrate the API into their systems for real-time inflation tracking.</p>
6.	Scalability of the Solution	<p>The "Power BI Inflation Analysis – Journeying Through Global Economic Terrain" project is designed for high scalability, ensuring that it can handle large datasets, diverse user bases, and expanding functionalities as demand grows. The solution leverages Power BI's cloud-based architecture, allowing seamless integration with big data sources, APIs, and AI-driven forecasting models to accommodate increasing data complexity.</p> <p>The scalability is driven by: Cloud Integration: The solution can be deployed on Microsoft Azure, AWS, or Google Cloud, ensuring unlimited storage and computational power for large-scale economic data processing. API Expansion: The system can scale by integrating new data sources, such as financial institutions, global economic reports, and enterprise databases, to enhance analysis accuracy. Multi-User Accessibility: The platform supports multiple user roles, from individuals to enterprises, with customized dashboards that adjust based on user needs and subscription</p>

		<p>tiers.</p> <p>AI-Driven Automation: Advanced machine learning models improve over time, handling more variables and refining inflation predictions without significant manual intervention.</p> <p>Global Reach: The system can expand to cover regional, national, and global markets, providing inflation insights for different economies and industries.</p>
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