Initial Project Planning Template

Date	9 JULY 2024
Team ID	739880
Project Name	**Leveraging Machine Learning For GDP Per Capita Prediction**
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Define problem/ problem understanding	USN-9891501	The goal is to leverage historical data to accurately forecast GDP per capita trends, enabling policymakers and economists to make informed decisions for sustainable development and economic growth.	2	medium	ujwala	20/06/2024	20/06/2024
Sprint-2	Data Collection and Preparation	USN-9891509	Collect supplementary data: demographic, economic, social, environmental factors.	3	High	Ujwala preethi	21/06/2024	24/06/2024

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
			Clean and preprocess data to handle missing values, outliers, and inconsistencies.					
Sprint-3	Exploratory Data Analysis	USN-989151	Identify correlations and relationships between GDP per capita and predictor variables	2	medium	Owez sharief	25/06/2024	27/06/2024
Sprint-4	Model Building	USN-9891521	Evaluate different machine learning algorithms suitable for GDP per capita prediction (e.g., linear regression, decision trees, random forest, gradient boosting).	4	high	Owez sharief	28/06/2024	2/06/2024
Sprint-5	Performance Testing	USN-9891525	Compare and select the best-performing model based on predefined evaluation metrics.	2	medium	ujwala	29/06/2024	30/06/2024
Sprint-6	Deployment	USN-9891526	Implement monitoring mechanisms to track model performance and drift over time.	5	High	preethi	01/07/2024	07/07/2024
Sprint-7	Documentation	USN-9891532	Document the entire process, including data sources, methodologies, and results.	3	medium	saikrishna	08/07/2024	10/07/2024