Initial Project Planning Template

Date	5 July 2024
Team ID	740141
Project Name	Garment Workers Productivity Predictions
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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	**Registration**: Collect historical productivity data of garment workers, including variables such as worker details, environmental conditions, and production metrics.	USN-1	As a user,I can collect historical productivity data of garment workers, including variables such as worker details, environmental conditions, and production metrics.	3	High	SRIRAM MARKA MEGHANA ANUMANDLA	02/07/24	04/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	**Registration**: Clean and preprocess the collected data to handle	USN-2	As a user,I can clean and preprocess the collected data to handle missing values, outliers, and ensure data quality for analysis.	2	High	BINDHU PRIYA BANDARI SAIVINAY CHINTHALA	05/07/24	07/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	This is associated with feature engineering, which enhances productivity prediction models.	USN-3	As a user,I can engineer features such as worker efficiency ratios, time-based factors, and environmental impact to enhance productivity prediction models.	3	Medium	SRIRAM MARKA SAIVINAY CHINTHALA	08/07/24	10/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	**Registration:** Select and implement suitable machine learning models (e.g., Random Forest, Gradient Boosting) to predict garment workers' productivity based on historical data.	USN-4	As a user,I can select and implement suitable machine learning models (e.g., Random Forest, Gradient Boosting) to predict garment workers' productivity based on historical data.	5	High	MEGHANA ANUMANDLA BINDHU PRIYA BANDARI	11/07/24	13/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	**Login:** Evaluate model performance using metrics such as Mean Absolute Error (MAE), Root Mean Squared Error (RMSE), and R-squared (R2) to ensure accuracy and reliability of predictions.	USN-5	As a user,I can evaluate model performance using metrics such as Mean Absolute Error (MAE), Root Mean Squared Error (RMSE), and R-squared (R2) to ensure accuracy and reliability of predictions.	2	High	SRIRAM MARKA MEGHANA ANUMANDLA	14/07/24	15/07/24