Initial Project Planning Template

Date	13.06.25
Team ID	SWTID1749713922
Project Name	Early Prediction for Chronic Kidney Disease Detection: A Progressive Approach to Health Management
Maximum Marks	4 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection & Preprocessing	USN-1	I collect and clean CKD-related health data to ensure it is ready for analysis.	3	High	Cherish Elena Fowzia Anora	13 June 2025	15 June 2025
Sprint-1		USN-2	I explore the dataset and perform EDA to identify trends and anomalies.	2	High	Cherish Elena Fowzia Anora	13 June 2025	15 June 2025
Sprint-2	Feature Engineering & Model Training	USN-3	I create meaningful features to improve model performance.	3	High	Elena	13 June 2025	15 June 2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2		USN-4	I build and train multiple ML models (e.g., Random Forest, SVM) for early CKD prediction.	4	High	Elena	16 June 2025	18 June 2025
Sprint-3	Model Evaluation & Integration	USN-5	I evaluate the models using accuracy, recall, precision, and F1-score.	2	High	Elena	16 June 2025	18 June 2025
Sprint-3		USN-6	I integrate the best-performing model into a web application.	3	High	Cherish	16 June 2025	18 June 2025
Sprint-4	Deployment & Feedback	USN-7	I enter health data in the web app and receive a prediction for CKD risk.	2	High	Cherish	19 June 2025	20 June 2025
Sprint-4		USN-8	I provide feedback on the app's usability and prediction results.	1	Medium	Cherish	19 June 2025	20 June 2025
Sprint-4		USN-9	As a team, we document results and prepare a project report and presentation.	2	High	Fowzia Anora	16 June 2025	20 June 2025