Initial Project Planning Template

Date	14 June 2025
Team ID	SWTID1749641473
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)

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	Data Collection & Cleaning	USN-1	As a developer, I want to load and clean the dataset to remove missing values and inconsistencies.	3	High	Rituparna R	11-June-2025	13-June-2025
Sprint-1	Feature Engineering	USN-2	As a developer, I want to encode categorical variables and scale numerical features for model readiness.	2	Medium	Keshav Sukhija	11-June-2025	13-June-2025
Sprint-2	Model Training	USN-3	As a developer, I want to train the XGBoost model to predict CKD with high accuracy.	3	High	Rituparna R	14-June-2025	16-June-2025
Sprint-2	Model Evaluation	USN-4	As a developer, I want to evaluate the model using accuracy, precision, and recall.	2	High	Keshav Sukhija	14-June-2025	16-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-3	Frontend Interface	USN-5	As a user, I want to input health values via a web form and get CKD prediction instantly.	3	High	Aayush Hemant Singh	17-June-2025	19-June-2025
Sprint-3	Model Deployment	USN-6	As a developer, I want to deploy the model using Flask and host it locally or on cloud.	2	High	Tanushree Kaushik	20-June-2025	21-June-2025