Project Planning Phase

Product Backlog, Sprint Schedule, and Estimation

Sprint	User Story Number	Functional Requirement	User Story	Task	Story Points	Priority	Team Members
Sprint-I	USN-1	User registration	As a user, I can input match details to get a predicted T20 score.	- Design match details input form Implement form validation Set up input data handling	10	High	Pranav, Sriram
Sprint-I	USN-2	Historical data display	As a user, I want to see historical match data used in predictions.	Implement historical data retrieval logic Display historical data on the dashboard	10	High	Sriram, Lanka
Sprint-2	USN-3	Prediction viewing	As a user, I can view predicted T20 scores for upcoming matches.	Develop and train machine learning models (e.g., regression models) Implement prediction algorithm	20	High	Pranav, Sriram, Lanka

Sprint-3	USN-5	Creating application	As a user, I can provide inputs to the website to obtain the predicted scores.	Integrate model with Flask, using streamlit Display predicted scores on the web application dashboard	20	High	Pranav, Sriram, Lanka
Sprint-4	USN-4	Additional insights	As a user, I can explore additional insights on team and player performance.	- Integrate additional statistics and insights features from Kaggle dataset Enhance the dashboard UI with insights	10	Medium	Pranav, Sriram, Lanka

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	3 days	November 1st, 2023	November 4th, 2023	20	November 4th, 2023
Sprint-2	20	5 days	November 6th, 2023	November 11th, 2023	20	November 11th, 2023
Sprint-3	20	3 days	November 14th 2023	November 17th, 2023	20	November 17th, 2023
Sprint-4	10	1 day	November 18th, 2023	November 19th, 2023	10	November 20th, 2023

Average Velocity for Each Sprint:

$$AV = \frac{sprint\ duration}{velocity}$$

Sprint 1:

20/3 = 6.67

Sprint 2:

20/5 = 4

Sprint 3:

20/3 = 6.67

Sprint 4:

10/1 = 10