Project Planning Details

Table 1:

Serial No	Component	Description	Technology
1	Data Ingestion	Collecting T20 match data for analysis	Web Scraping, APIs
2	Feature Extraction	Identifying relevant features for prediction	Data Preprocessing, Statistics
3	Machine Learning Model	Model for predicting T20 scores	Regression Models, XGBoost
4	User Interface	Platform for users to input match details	Web UI, Mobile App
5	External API (Weather)	Fetching weather data to factor into predictions	OpenWeather API
6	Cricket API	Retrieving realtime and historical cricket data	Cricket API services
7	Database	Storing and managing historical match and prediction data	SQL or NoSQL database
8	Cloud Infrastructure	Deployment and scalability considerations	AWS, Azure, Google Cloud
9	Notification System	Informing users about predicted scores and updates	Email, Push Notifications
10	Monitoring and Analytics	Tracking system performance and user interactions	Google Analytics, Prometheus

Table 2:

Project Planning Details

Application Characteristics

Serial No	Characteristics	Description	Technology
1.	Data Sources	Integration with live match data feeds for real-time information	API Integration, Web Scraping
2	Prediction Algorithm	Advanced machine learning algorithm for accurate score predictions	Machine Learning (e.g., XGBoost, LSTM)
3	User Interface	Intuitive and responsive interface for user interaction	ReactJS, Bootstrap, CSS
4	User Authentication	Secure user authentication and authorization mechanisms	OAuth 2.0, JWT, bcrypt
5	Notification System	Real-time notifications for score updates and match events	WebSocket, Push Notifications
6	Historical Data Analysis	Tools for analyzing historical match data to improve predictions	Data Analytics, Data Visualization
7	User Feedback Mechanism	Feedback loop for users to provide input and improve predictions	Feedback Forms, Analytics Integration
8	Mobile Responsiveness	Ensuring a seamless experience across various mobile devices	Responsive Web Design, Mobile UI/UX
9	Social Media Integration	Sharing predictions and match updates on social media platforms	API Integration (e.g., Twitter, Meta)
10	Performance Analytics	Monitoring and analyzing the application's performance metrics	Application Performanc e Monitoring

Table 3:

Project Planning Details

Product Backlog, sprint scheduling and estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	Register with Gmail and password	2	High	Mudit
Sprint-1	Registration	USN-2	Receive confirmation email	2	Medium	Mudit
Sprint-2	Login	USN-3	Login with Gmail	4	High	Vishal
Sprint-3	Match Selection	USN-4	Select T20 match for predictions.	4	High	Rajas
Sprint-4	Prediction	USN-5	View predicted score	4	High	Harini
Sprint-5	Notification	USN-6	Receive push notifications when predicted score is updated	3	Medium	Rajas
Sprint-6	User preferences	USN-7	As a user, ability to predict the score myself	4	Medium	Harini
Sprint-7	Social Sharing	USN-8	As a user, I want the ability to share my score predictions on social media platforms to discuss and compare predictions with friends.	3	Low	Vishal
Sprint-8	Historical Predictions	USN-10	As a user, I want to access and review my	2	Low	Mudit

Project Planning Details

			historical score predictions to track me accuracy over time.			

Project Planning Details

Table no 4

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	4	5 days	08 oct 2023	11 oct 2023	4	12 nov 2023
Sprint 2	4	5 days	14 oct 2023	17 oct 2023	4	12 nov 2023
Sprint 3	4	5 days	16 oct 2023	17 oct 2023	4	12 nov 2023
Sprint 4	4	5 days	20 oct 2023	23 oct 2023	4	12 nov 2023
Sprint 5	3	5 days	21 oct 2023	23 oct 2023	3	14 nov 2023
Sprint 6	4	5 days	27 oct 2023	29 oct 2023	4	14 nov 2023
Sprint 7	3	5 days	30 oct 2023	04 nov 2023	3	14 nov 2023
Sprint 8	2	5 days	03 nov 2023	10 nov 2023	2	14 nov 2023