Project Planning Details

Table 1:

Serial No	Component	Description	Technology
1	Data Ingestion	Collecting T20 matchdata for analysis	Web Scraping, APIs
2	Feature Extraction	Identifying relevant features for prediction	Data Preprocessing,Statistics
3	Machine Learning Model	Model for predictingT20 scores	Regression Models, XGBoost
4	User Interface	Platform for users toinput match details	Web UI, Mobile App
5	External API (Weather)	Fetching weather data to factor into predictions	OpenWeather API
6	Cricket API	Retrieving real-timeand historical cricket data	Cricket API services
7	Database	Storing and managinghistorical match and prediction data	SQL or NoSQL database
8	Cloud Infrastructure	Deployment and scalability considerations	AWS, Azure, Google Cloud
9	Notification System	Informing users aboutpredicted scores and updates	Email, Push Notifications
10	Monitoring and Analytics	Tracking system performance and user interactions	Google Analytics, Prometheus

Project Planning Details

Table 2:

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 andauthorization 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 eMonitoring

Project Planning Details

Table 3:

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 historical score predictions to track me accuracy over time.	2	Low	Mudit

Project Planning Details

Table no 4

Project Tracker, Velocity & Burndown chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint EndDate (planned)	Story Points Completed (as on planned end date)	Sprint release date (Actual)
Sprint 1	4	5 days	06 oct 2023	11 oct 2023	4	12 nov 2023
Sprint 2	4	5 days	12 oct 2023	17 oct 2023	4	12 nov 2023
Sprint 3	4	5 days	12 oct 2023	17 oct 2023	4	12 nov 2023
Sprint 4	4	5 days	18 oct 2023	23 oct 2023	4	12 nov 2023
Sprint 5	3	5 days	18 oct 2023	23 oct 2023	3	14 nov 2023
Sprint 6	4	5 days	24 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	05 nov 2023	10 nov 2023	2	14 nov 2023