

## Project Design Phase-II

### Data Flow Diagram & User Stories

|               |   |
|---------------|---|
| Date          | 16 October 2023   |
| Team ID       | PNT2022TMID593080                                       |
| Project Name  | Project - T20 Totalitarian: Mastering Score Predictions |
| Maximum Marks | 4 Marks   |

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

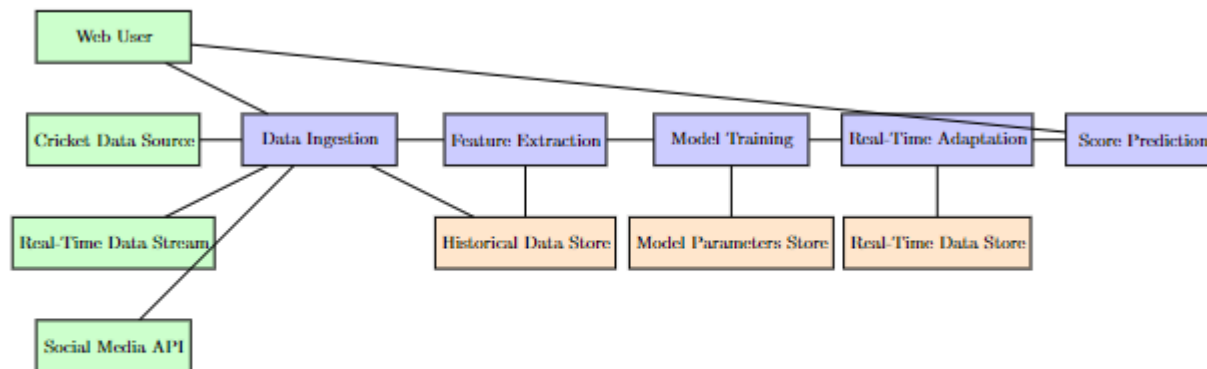


Figure 1: T20 Totalitarian Data Flow Diagram

## User Stories

Use the below template to list all the user stories for the product.

| User Type            | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria  | Priority | Release |
|----------------------|-------------------------------|-------------------|---|--|----------|---------|
| Cricket Enthusiast   | Score Prediction              | US001             | As a cricket enthusiast, I want to access the T20 Totalitarian platform to get accurate predictions of the batting team's score in T20 matches.       | 1. The platform should provide a user-friendly interface to input match-related data.<br>2. The prediction should be displayed in a clear and understandable format.<br>3. The predicted score should be updated in real-time during live matches. | High     | 1.0     |
| Data Analyst         | Feature Extraction            | US002             | As a data analyst, I want to have access to advanced feature extraction tools to analyze and select relevant features for the machine learning model. | 1. Feature extraction should be customizable based on specific match or player requirements.<br>2. The extracted features should be available for further analysis and model training.   | High     | 1.0     |
| Team Manager         | Real-Time Adaptation          | US003             | As a team manager, I want to receive real-time insights and adaptations based on the T20 Totalitarian predictions during live matches.                | 1. The platform should provide real-time notifications and updates on predicted scores.<br>2. Adaptations should include suggestions for strategic changes based on the evolving match dynamics.   | Low      | 1.1     |
| System Administrator | System Monitoring             | US004             | As a system administrator, I want to monitor the health and performance of the T20 Totalitarian system to ensure its reliability.                     | 1. The system should generate alerts for any anomalies or downtimes.<br>2. Performance logs should be available for analysis and optimization.   | Medium   | 1.2     |