**Project Title** : Cricket Team Management Software (CricWare)

**Members**:

1. Sujoy Kumar Ray

Reg no: 2018331061

Role: Project Architect & Scribe

1. Rattin Sadman

Reg no: 2018331067

Role: Software Developer

1. Oishik Biswas

Reg no: 2018331069

Role: Project Manager & Quality Assurance

**Description:**

An user-friendly solution designed to manage the operations and management of cricket clubs, which will make it easy for administrators, coaches, players, enthusiasts and talent hunters to handle all aspects of a cricket club. This software system will offer some necessary features to simplify your tasks and enhance the cricketing experience, whether you manage a local youth team or professional cricket club. This software will simplify league and tournament management by creating tournament structure, setting up the fixtures, keeping track of every game; where player and team registration will be handled and managed, making it easy to get your members signed up and ready to play.

**Key Features:**

1. **Member Management**

* Maintain a detailed database of club members, including players, coaches and support staff.
* Easily update and access member information, such as contact details, medical records and membership status.

1. **Scheduling & Match Management**

* Create and manage fixtures, tournaments and practice sessions.
* Automatically generate match schedules and notifications for players and officials.
* Track match results, scores and statistics in real-time.

1. **Finance & Billing**

* Efficiently manage club finances, including membership fees, sponsorship and expenses.
* Generate invoices and keep track of payments, ensuring financial transparency.

1. **Player Performance Analytics**

* Monitor player statistics and performance data, such as batting and bowling averages, strike-rate, centuries and five-wicket hauls.
* Identify player strengths and areas for improvement.

1. **Inventory & Equipment Management**

* Keep an inventory of cricket gear and equipment, ensuring availability for players.
* Set alerts for equipment maintenance and replacements.

1. **Communication & Alerts**

* Send email or SMS notifications to members about upcoming matches, practices and club news.
* Maintain an integrated communication channel to keep all stakeholders informed.

1. **Training & Coaching management**

* Schedule coaching sessions and track attendance.
* Store coaching materials and drills for easy access by coaches and players.

1. **Fitness Management**

* Maintain the fitness of players
* Provide the players necessary instructions for improving their physical and mental fitness.

1. **Tournament Registration**

* Allow teams to register for tournaments and manage participant information.
* Automatically create tournament brackets and schedules.

1. **Ground & Venue Management**

* Select venue and ground for organising matches, manage and monitor ground conditions.

1. **Scoring & Live Updates**

* Capture real-time match scores and provide live updates on the club’s website or mobile app.
* Enable scorers to record ball-by-ball data with ease.

1. **Reporting & Analytics**

* Generalize reports on club performance, membership growth, and financials.
* Utilise data-driven insights to make informed decisions.

1. **User Access Control**

* Ensure data security and privacy by setting role-based permissions for administrators, coaches and players.

1. **Mobile Accessibility**

* Access the software from anywhere with a mobile-responsive interface, allowing on-the-go management.