



**Government Of Karnataka**

**Department Of Collegiate and Technical Education**

**GOVERNMENT ENGINEERING COLLEGE TALAKAL,  
KOPPAL-583238**

**(AFFILATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI-590018)**



**A INTERNSHIP PROJECT REPORT ON  
“BIDDING APP ON IPL AUCTION”**

**Submitted By**

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**2024-25**



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## **CERTIFICATE**

Certified that the Internship Project entitled “**BIDDING APP ON IPL AUCTION**” carried out by Mr/Ms **KALEENA RUKSAR** USN **2LG21CS016** a Bonafide student of B.E 8<sup>th</sup> Semester in partial fulfillment for award of Bachelor Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the year 2024-2025. It certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the Departmental Library.

The project report has been approved as it satisfies the academic requirements in respect of Internship Project prescribed for the said Degree.

**Signature of Guide**

**Signature of HOD**

**Signature of the Principal**

**Name of the Examiners:**

**Signature with Date:**

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## **ACKNOWLEDGEMENT**

I consider it a privilege to express a few words of gratitude in depth and respect to all those, who guided and inspired for the successful completion of this internship.

My sincere thanks to our beloved principal, **Dr. VIRUPAXI BAGODI** Government Engineering College, Talakal, for kind co-operation during our entire course.

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**Cordially,**

**KALEENA RUKSAR**

**2LG21CS016**

# **ABSTRACT**

In IPL Bidding App the admin Panel is a web-based tool designed to help manage player auctions and team setups for tournaments similar to the IPL. It allows authorized users, like organizers or admins, to create and update team profiles, register players with their performance details, and manage the entire bidding process live. The app ensures that each team sticks to its budget, tracks all bids in real time, and checks if bids are valid. After the auction, it also provides an overview of team compositions and spending. This makes the whole auction process smooth, fair and well-organized. The IPL bidding app is designed to provide a seamless and strategic platform for administrators to effectively manage the auction process. Through a dedicated admin panel, administrators can create and manage teams, register players and actively participate in the bidding by placing bids on behalf of teams. The app offers real-time tracking of bids, player allocations and budget utilization, ensuring complete control and transparency throughout the auction. Additionally, the admin can view detailed information about each team's composition, individual player statistics and overall auction outcomes. This centralized system not only simplifies the auction process but also enhances strategic decision-making, enabling a smooth and efficient management of teams, players and resources during the IPL auction.

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## CHAPTER 1

### COMPANY PROFILE



This chapter gives brief introduction about company its vision, mission values and inspirer of the company. This also highlights the services offered, products developed by the company. Overview of the Company ParvaM was founded by a team of passionate folks from diverse platforms with the intent of delivering the valued services to keep the future ready with various software solutions with cutting edge technologies in the market. We are here to deliver Quality Technical Products, Development & Services for all your Current and Future software requirements. We are also committed to providing Quality Staffing and Consulting services.

ParvaM has served the customers with a delighting experience with our expert services on a competitive edge in delivering the unique experiences on technology, consulting and software solutions in the areas of implementing enterprise applications, professional web sites, customized applications and technology workshops on a different trending technology.

## 1.1 VISION AND GOALS

### VISION

- To serve a world-class customer experience while delivering the unique software solutions and grow as a leading consulting and staffing solutions provider.
- To emerge as a world class incubation center for Research & Development RpeT DeIng being a platform for innovation.

### MISSION

Customer Delight: by providing the highest degree of excellence to support the customer and value to their business Superior returns to shareholders: Being a valued business partner Excellence at Knowledge Delivery: Providing the best class training for the resources. Engineering Excellence: Accomplishing the innovative software solutions driven with the competitive engineering and planning. Values We work with Customer First Focus and value, Challenge and Reward our People. Strategy Our Strategy is built on the foundation of our corporate values and will drive our successful development in the coming years to achieve our long-term vision for PARVAM Consul-tech in order to steer the focus of the entire organization towards our strategy and ensure in successful implementation, we have defined four strategic priorities Outperform, Globalize, Simplify, Inspire. Services Software Solutions Consulting/ Staffing Solutions Technology Workshops Research and Development.



## CHAPTER 2

### INTRODUCTION

The IPL Bidding App Admin Panel is a powerful management system that simplifies the entire auction and team-building process in the Indian Premier League. It gives the admin full authority to manage critical tasks such as adding or removing players from the auction pool, setting base prices for players, creating and managing team profiles, and conducting live bidding events. One of its key features is real-time bid tracking, which allows the admin to monitor ongoing bids, assign players to teams instantly, and ensure that each team's spending stays within their budget. The panel also helps maintain fairness and transparency by keeping all data centralized and secure. Its clean, user-friendly interface makes it easy to navigate, reducing administrative workload and minimizing the chance of errors or disputes. Overall, the admin panel enhances the efficiency, accuracy, and fairness of the IPL auction process.

The IPL Bidding App Admin panel is a comprehensive management system designed to oversee and streamline the entire player bidding and team formation process in the Indian Premier League. It empowers administrators with full control over player listings, team creation, bidding sessions, and real-time updates. With user-friendly interfaces and secure access, the admin can add or remove players, set base prices, monitor bids, assign players to teams and manage team budgets effectively. This centralized control ensures a smooth, transparent and organized bidding experience, enabling a fair and efficient team-building process for the league. The IPL Bidding App Admin Panel serves as the central hub for managing every aspect of the Indian Premier League player auction. Designed for efficiency and control, it enables administrators to oversee the entire process—from registering players and setting their base prices to forming teams and running live auctions. During the bidding, the admin can track bids in real time, assign players to the highest bidding team, and ensure that each franchise adheres to their budget limits. The panel also includes tools for editing or updating player and team details as needed. With its secure design and intuitive layout, the system not only ensures transparency and fairness but also significantly reduces the complexity and time involved in managing a high-stakes auction. This makes it an essential tool for smooth and professional league operations.

## 2.1 SCOPE AND OBJECTIVES

### Scope:

- 1. User Management:** Registration/Login (Email, Phone, Social Media) and role-based access (Admin, Team Owner, Viewer).
- 2. Auction System:** Real-time bidding for players and time-limited bidding rounds and also increment-based bidding.
- 3. Client Testimonials:** Share feedback from previous clients, reinforcing trust and credibility.
- 4. Player Management:** Player profiles based on player stats, player base price and player type like batsman, bowler, all rounder or wicketkeeper etc.
- 5. Team Management:** Budget tracking and roster display and validation
- 6. Analytics and Reports:** Auction summary (bought players, spent amount, remaining budget) and player performance projections.
- 7. Admin Panel:** Create or manage auctions and also add/edit/delete player data and set auction rules and configurations

### Objectives:

- 1. Simplify Auction Management:** Provide a centralized platform for organizing and conducting IPL style player auctions efficiently.
- 2. Enable Team and Player Management:** Allow the admin to manage team data, player information, and assign players to teams based on bidding outcomes.
- 3. Automate and Monitor Bidding Process:** Facilitate real-time or admin-driven bidding for players, ensuring fair competition among teams.
- 4. Track Budgets and Purchases:** Help teams stay within budget limits and allow tracking of player purchases, unsold players, and auction history.
- 5. Generate Reports and Insights:** Provide dashboards and summaries to review auction outcomes and analyze team/player data.

## CHAPTER 3

# REQUIREMENT SPECIFICATION

### 3.1 Hardware Requirements

Processor	: Intel Corei5
Input devices	: Keyboard, Mouse
Output devices	: Monitor (1366x768 Resolution)
RAM	: 16.00GB

### 3.2 Software Requirements

Operating System	: Windows 10
Software	: Visual Studio
Programming language	: HTML, CSS, Java Script, Java
Database	: MYSQL
Web Framework	: Spring boot

## CHAPTER 4

# SYSTEM DESIGN

### 4.1 METHODOLOGY

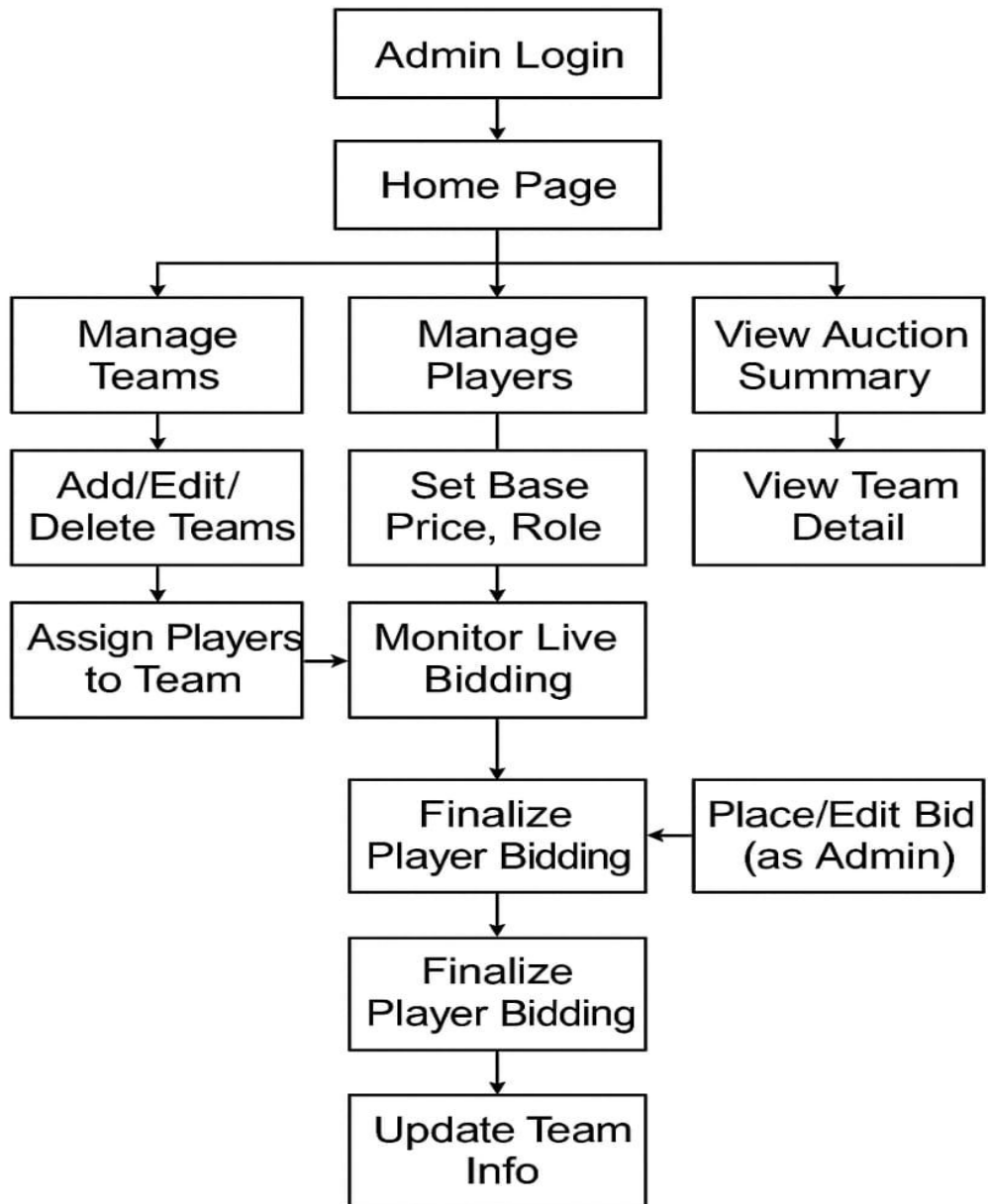
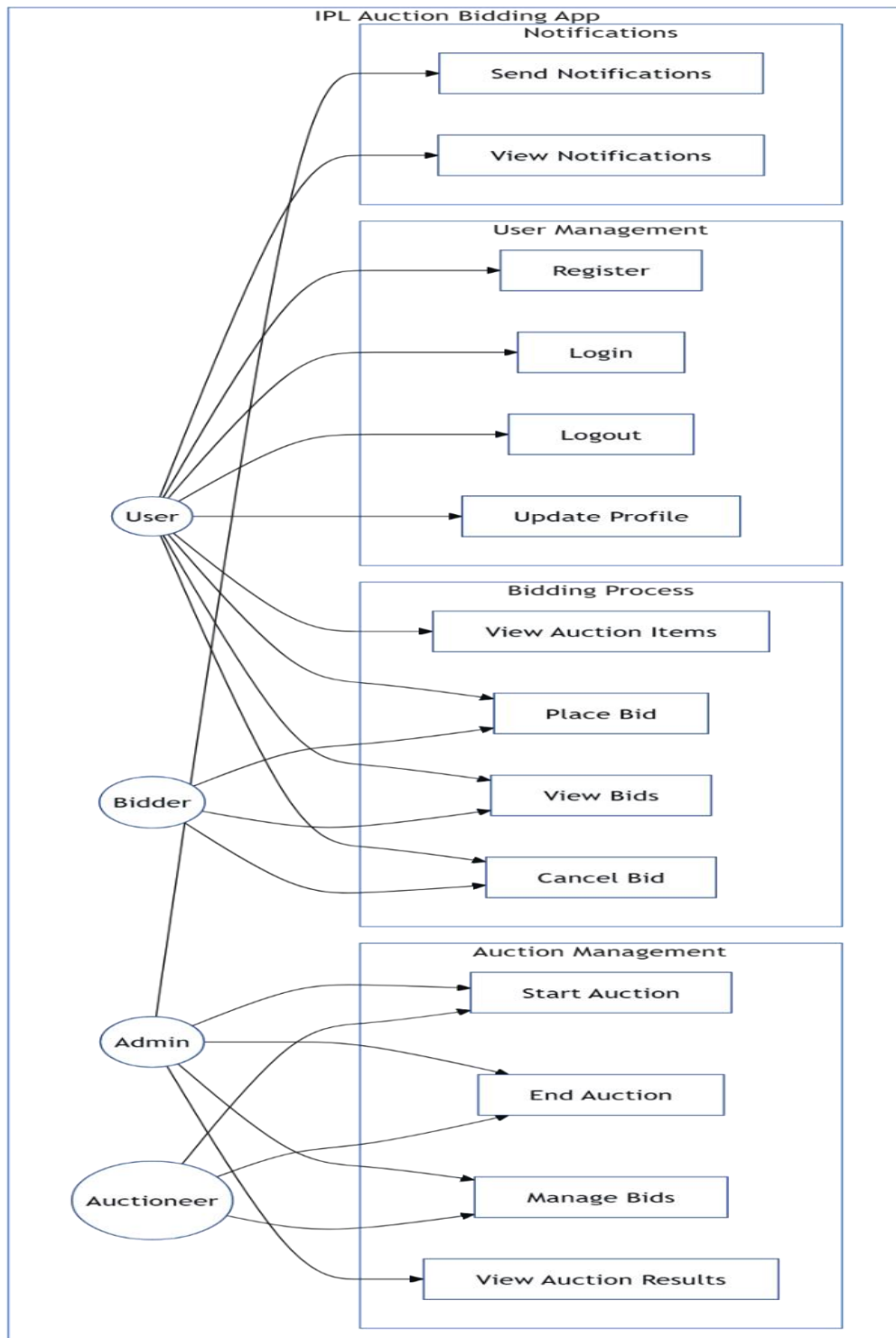


Fig 4.1: Methodology

This figure shows how an online player auction system works, mainly for sports teams. The process starts with the admin logging into the system. After login, the admin is taken to the home page where they can manage all the main features. There are three major sections on the home page: managing teams, managing players, and viewing the auction summary. In the Manage Teams section, the admin can add, edit, or delete teams. They can also assign players to each team. In the Manage Players section, the admin can add new players, update their information, or delete them if needed. The admin also sets a base price and the role of each player, such as bowler, batsman, or all-rounder. In the View Auction Summary section, the admin can see the details of each team and player. After setting up the teams and players, the system moves into the live bidding phase. During Monitor Live Bidding, the admin can view the bidding happening in real time. They can also place or edit bids if required. The admin can check which player is getting the most bids and who is bidding the highest amount. Once all the bidding is complete, the admin finalizes the player bidding, which means the players are officially sold to the highest bidding team. Then the team information is updated based on the final list of players. This system helps in organizing a fair and clear auction where teams get players based on bidding, just like real sports auctions.

This flowchart shows how an admin manages a player auction system in a simple step-by-step process. It starts with the admin logging in and reaching the home page. From there, the admin can manage teams by adding, editing, or deleting them, and assigning players to each team. The admin can also manage players by creating or editing player profiles and setting their base price and role. There's an option to view auction summaries, including team and player details. Once everything is set, the admin monitors live bidding, where they can view ongoing bids or place/edit bids themselves. After the bidding ends, the admin finalizes the player bidding and updates the team information based on the final results. This ensures all team and player data reflects the outcome of the auction.

## 4.2 USE CASE DIAGRAM



**Fig 4.2 : Use Case Diagram**

This diagram represents the structure and functionalities of an IPL Auction Bidding App, showing how different users interact with the system. There are four main roles: User, Bidder, Admin, and Auctioneer. Every user can register, log in, log out, and update their profile. They can also view auction items and receive notifications, while admins can send notifications. Users who become bidders can place bids, view their bids, and cancel them during the auction process. The Admin and Auctioneer are responsible for managing the auction—starting and ending auctions, managing bids, and viewing auction results. This layout helps ensure that each role has specific permissions and responsibilities, keeping the auction process smooth and well-organized.

The IPL Auction Bidding App is designed to manage and streamline the entire player auction process in a structured and interactive way. The system involves four main types of users: general users, bidders, admins, and auctioneers, each with specific roles and permissions. At the base level, every user can register, log in, log out, and update their profile. They also have access to view auction items (such as players) and receive notifications related to auction events. Once a user decides to participate in bidding, they become a bidder. Bidders can view the list of players available for auction, place bids on their desired players, view the current status of all their bids, and cancel a bid if needed before the auction closes for that player. The system also includes an admin role, which is responsible for higher-level control such as sending notifications to users, starting and ending the auction sessions, and ensuring the smooth functioning of the platform. Another key role is that of the auctioneer, who oversees the actual auction activities, including managing all incoming bids and viewing the final auction results. These functionalities are organized into different modules: notifications, user management, bidding process, and auction management. Notifications are used to keep participants informed, user management handles login and profile-related actions, the bidding process enables the competitive aspects of the auction, and auction management ensures that admins and auctioneers have full control over the auction's timing and outcomes. This structure ensures fair play, proper organization, and real-time interaction, making it ideal for conducting sports auctions like the Indian Premier League (IPL) player bidding in a digital environment.

## CHAPTER 5

# SYSTEM IMPLEMENTATION

The System Implementation for the construction dynamic project involves building a scalable and interactive web application that integrates technologies such as Spring Boot, MySQL, Thymeleaf, and HTML/CSS/JS. The system is designed to dynamically manage and display key modules such as projects, services, testimonials, blog posts, team members, and user inquiries. It provides both a public-facing website and a secured administrative dashboard for real-time content management.

### 5.1 PROJECT IMPLEMENTATION TECHNOLOGY

**Web Framework:** Spring Boot is used as the primary backend framework for building the web application. It simplifies the development of Java-based applications by providing built-in tools for dependency management, configuration, and RESTful API creation. Spring Boot integrates seamlessly with Thymeleaf for server-side rendering of dynamic HTML content.

**Frontend Template Engine:** Thymeleaf is used as the server-side templating engine for rendering dynamic web pages. It allows embedding server-side variables directly into HTML, enabling real-time updates of content such as projects, testimonials, blog posts, and services fetched from the database.

**Database:** MySQL is used to store all application data including project details, user inquiries, services, blogs, team members, testimonials, and gallery images. MySQL provides a relational data structure that supports efficient CRUD operations and secure data management for all modules.

**Admin Dashboard:** The admin panel is built using Thymeleaf and Spring MVC, enabling administrators to manage projects, services, blogs, testimonials, and inquiries through a secure, user-friendly interface. Each module supports dynamic form handling and backend integration for live updates.



## 5.2 DEVELOPMENT TOOLS

### 5.2.1 Programming Languages:

**Java:** The core programming language used for backend development. It works with the Spring Boot framework to handle business logic, routing, data access, form processing, and secure admin functionalities.

**JavaScript:** Enhances frontend interactivity with features such as form validations, toggle views, AJAX-based contact form submission, and real-time UI updates without full page reloads.

**HTML5 / CSS3:** Used for frontend structure and styling of the website. It supports the design of responsive pages for modules such as project display, services.

### 5.2.2 Development Environments:

**Spring Tool Suite (STS) / IntelliJ IDEA:** IDEs used for writing and managing Spring Boot applications. These tools support robust debugging, auto-completion, and dependency management for Java-based web projects.

**MySQL Workbench:** A graphical tool used to design and manage the MySQL database. It helps in creating and modifying tables, managing project records, and performing database queries.

**Visual Studio Code (VS Code):** Used for designing frontend templates and editing static resources (HTML, CSS, JS) with real-time preview and extensions.

### 5.2.3 Version Control:

**Git:** A distributed version control system used to track changes in the source code. It allows team collaboration, history tracking, and branch management throughout the development process.

**GitHub:** Used as a cloud-based repository for hosting the source code, managing issues, handling pull requests and enabling development.

## CHAPTER 6

# ADVANTAGES AND DISADVANTAGES

### ADVANTAGES:

- 1. Centralized Control:** Admins can manage all aspects of the bidding process from a single platform and control over player registration, team budgets, bidding windows, and auction rules.
- 2. Real-Time Bidding Management:** Monitor live bids, pause/resume bidding, and intervene in case of conflicts and it ensure smooth flow of the auction and immediate resolution of issues.
- 3. Budget and Player Management:** Automatically track each team's budget and enforce player limits and prevent teams from exceeding financial or player constraints.
- 4. Easy Player Management:** Add, edit, or remove players with complete profile data (e.g., base price, role, stats).
- 5. Seamless Team Management:** Allocate players to teams and adjust rosters in real time and also visual overview of team compositions during and after the auction.
- 6. Customizable Settings:** Admins can customize auction rules, bidding increments, and time limits and suitable for official leagues, local tournaments or fantasy leagues.
- 7. Secure and Scalable:** Authentication, role-based access and data encryption ensure security and scalable for small leagues or full-scale IPL-style auctions.

## **DISADVANTAGES:**

- 1. Complexity in Management:** Managing multiple teams and a large pool of players can be very complex and time-consuming. Ensuring accurate and up-to-date information requires constant attention.
- 2. Data Integrity Issues:** If the admin manually updates player stats, bids, or team info, there's a risk of errors, duplication, or inconsistencies, leading to confusion.
- 3. Security Risks:** Admins handling sensitive bidding and player information pose a risk if proper security measures aren't implemented. Data leaks or unauthorized access can compromise the entire auction process.
- 4. Scalability Problems:** As the number of teams or players increases, the system might become slow or unresponsive if not well optimized, making it difficult for the admin to manage everything efficiently.

## CHAPTER 7

### FUTURE SCOPE

The future scope of an IPL bidding app can be significantly enhanced by incorporating advanced admin functionalities such as managing teams, players, and bidding points. By enabling the admin to create, edit, and remove teams, assign team owners, and allocate team budgets, the app becomes more flexible and customizable for various types of leagues and user needs. Player management features can include adding new players, updating player information, setting base prices, and managing player availability, giving the admin complete control over the player pool. Additionally, integrating bidding point management allows the admin to define or adjust the number of points each team has for bidding, set maximum and minimum limits, and monitor point usage during the auction. These enhancements not only streamline the overall auction process but also offer better oversight and fairness, especially in custom or fantasy IPL leagues. This added layer of control and customization positions the app for broader use, scalability and user satisfaction.

## CHAPTER 8

## RESULTS

## SNAPSHOTS

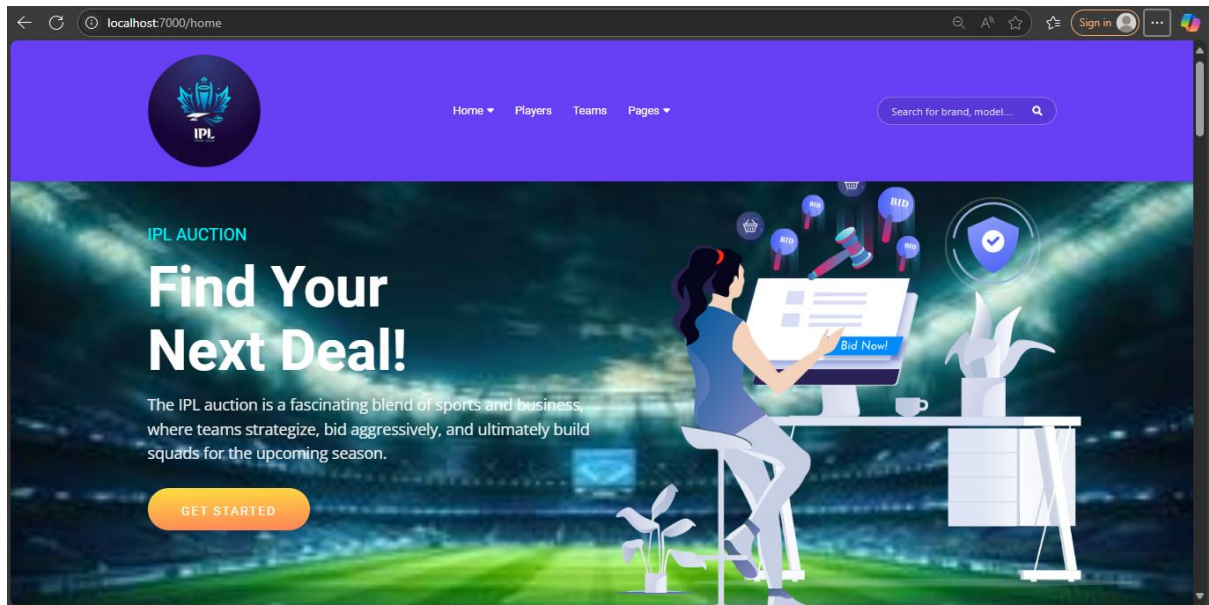


Fig 8.1: Home Page

A screenshot of a web browser displaying the 'Player Registration Form' at 'localhost:7000/kali/create'. The form is titled 'Player Registration Form' and contains several input fields: 'Name', 'Date of Birth' (with a calendar icon), 'Email Address', 'Phone Number', 'EPIC No.', and 'Address'. Below these are two 'Upload' buttons for 'Profile Pic' and 'Aadhar/EPIC images'. The form also includes three sections with radio button options: 'Select Player Type' (Batsman, Bowler, Allrounder), 'Select Batting Type' (Right hand, Left hand), and 'Select Bowling Type' (Right Arm Fast, Left Arm Fast). At the bottom, there is a checkbox for 'I Declare that the above information provided by me is true.' and a 'Submit' button.

Fig 8.2: Player Registration Form

## BIDDING APP ON IPL AUCTION

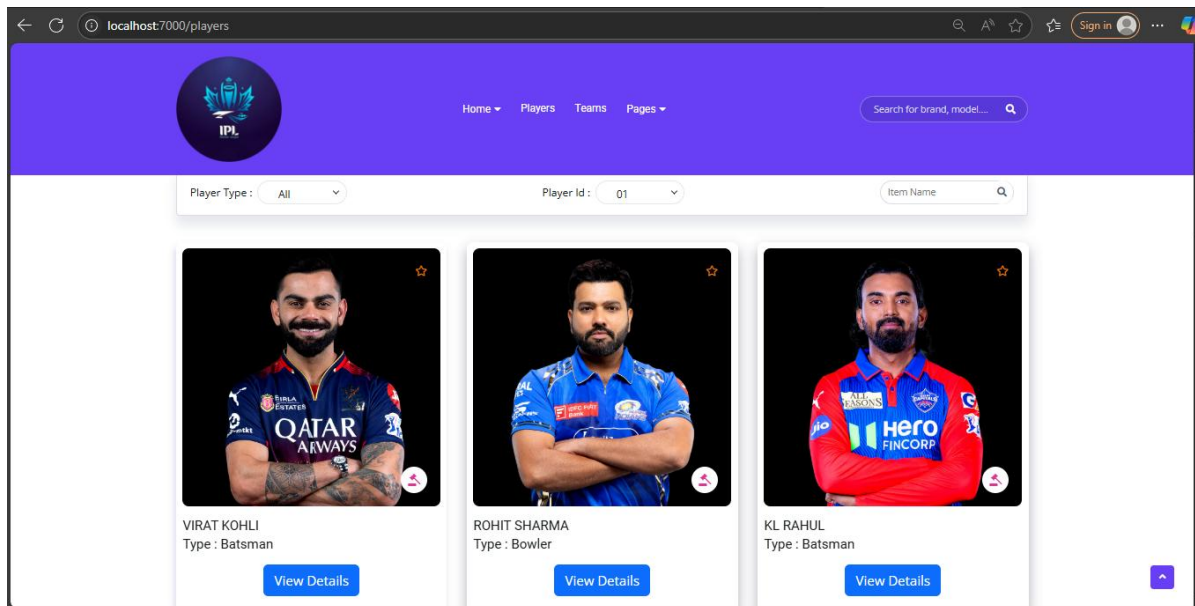


Fig 8.3: Players List

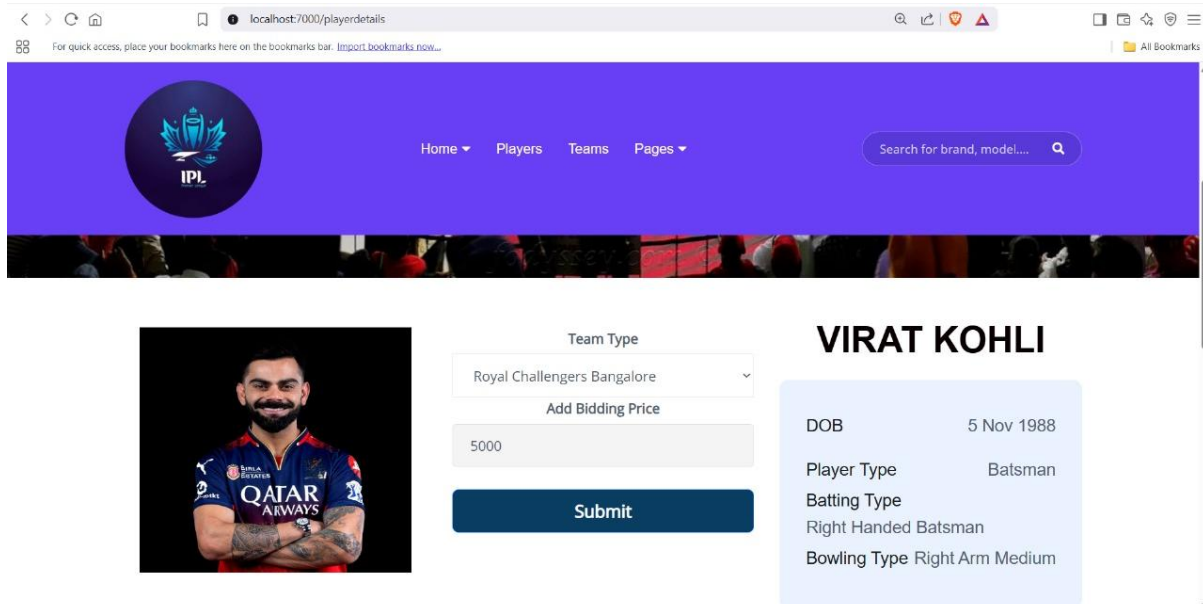


Fig 8.4: Player Detail

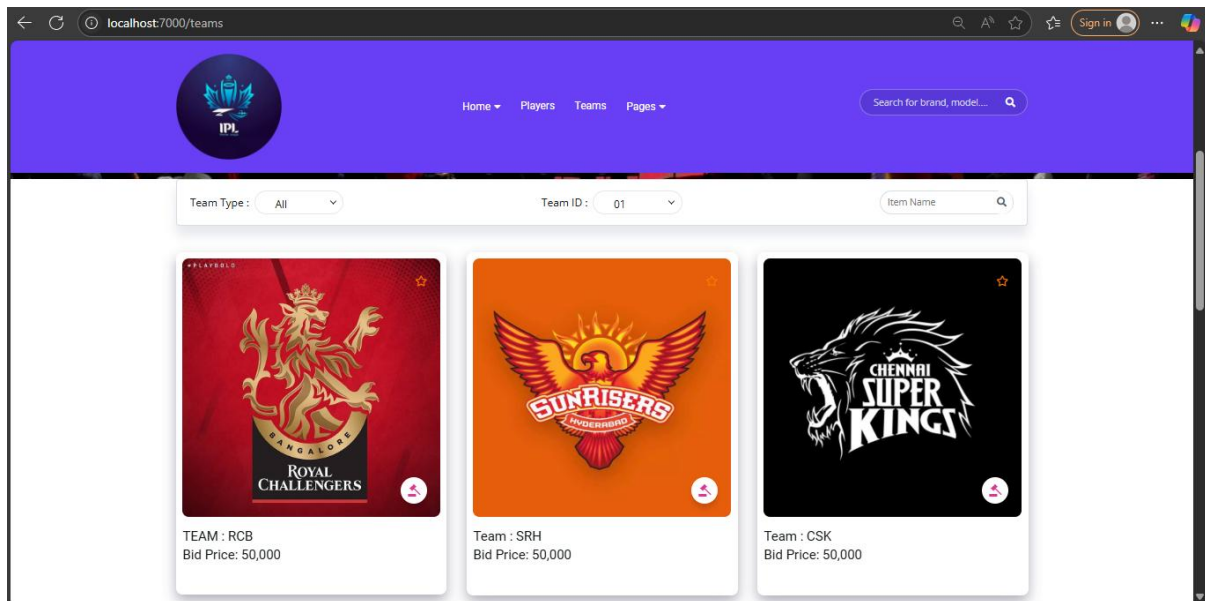


Fig 8.5: Team List

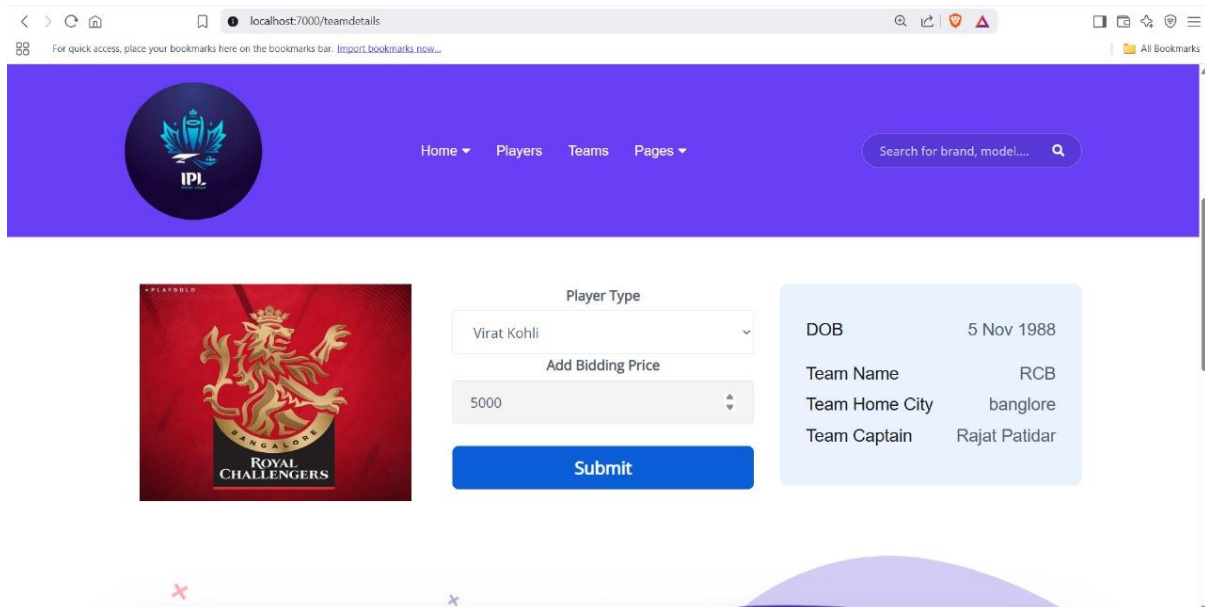
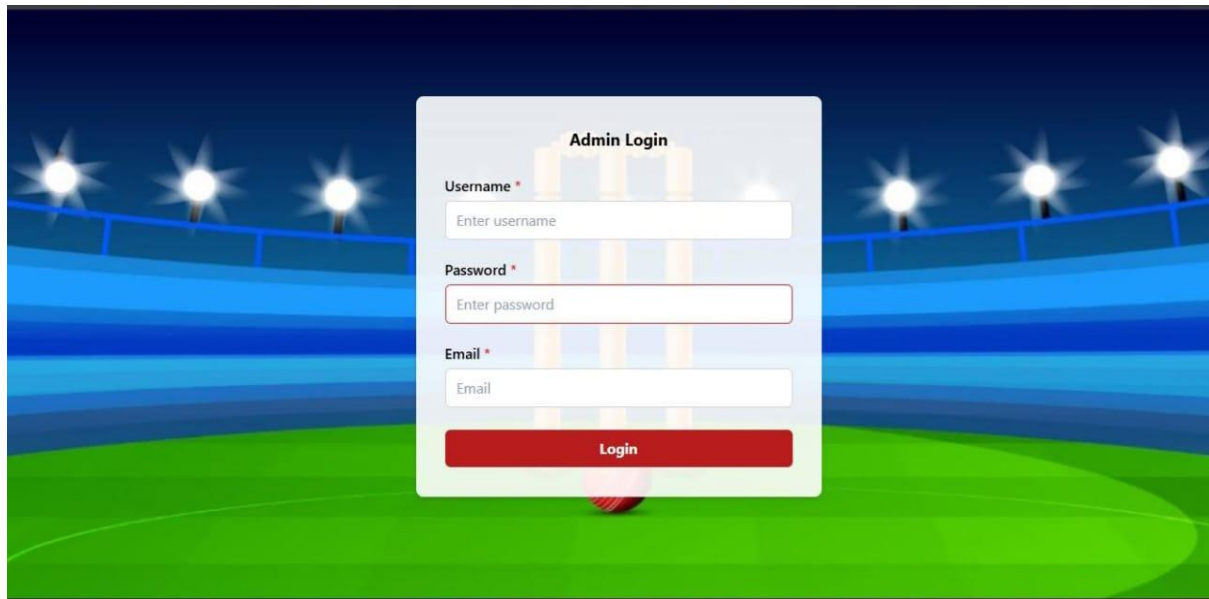
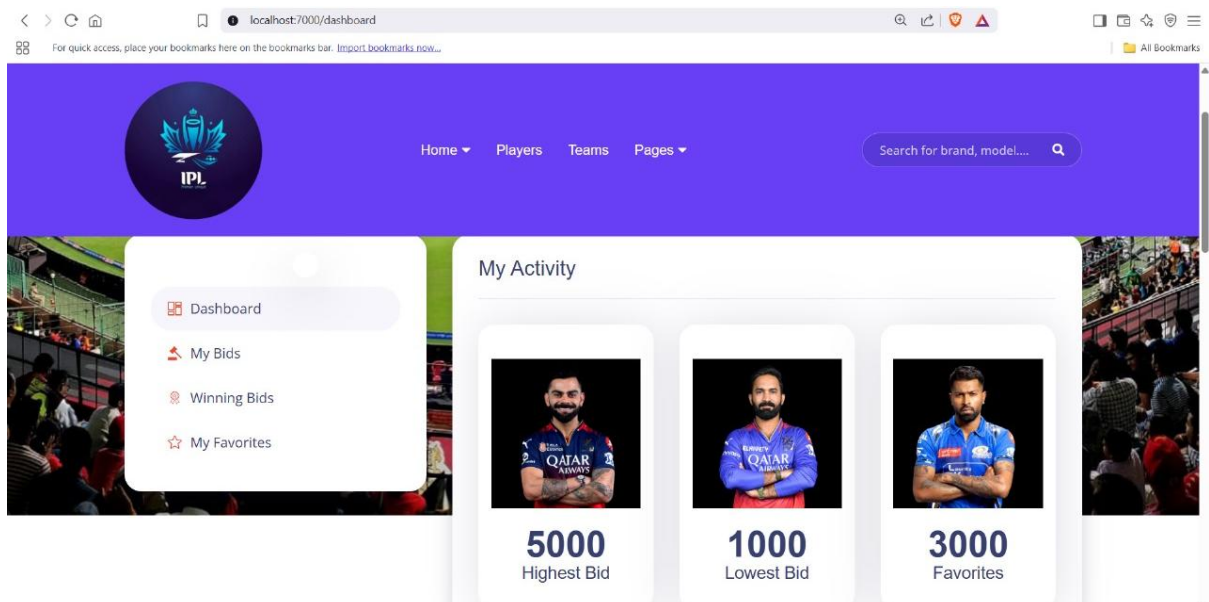


Fig 8.6: Team Detail



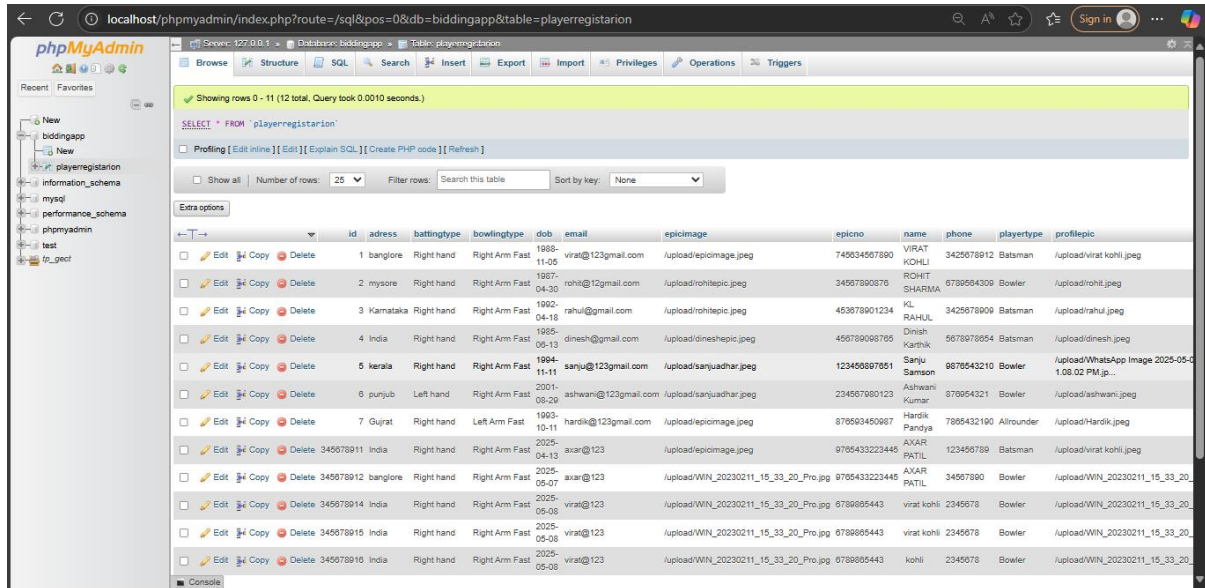
**Fig 8.7: Admin Login**



**Fig 8.8: Admin Dashboard**



## BIDDING APP ON IPL AUCTION



Showing rows 0 - 11 (12 total. Query took 0.0010 seconds)

SELECT \* FROM `playerregistration`

Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	address	battingtype	bowlingtype	dob	email	epicimage	epicno	name	phone	playertype	profilepic
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	banglore	Right hand	Right Arm Fast	1988-11-05	virat@123gmail.com	/upload/epicimage.jpeg	745634567890	VIRAT KOHLI	3425678912	Batsman	/upload/virat kohli.jpeg
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	mysore	Right hand	Right Arm Fast	1987-04-30	rohit@12gmail.com	/upload/rohitpic.jpeg	34567890376	ROHIT SHARMA	6789564300	Bowler	/upload/rohit.jpeg
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Karnataka	Right hand	Right Arm Fast	1992-04-18	rahul@gmail.com	/upload/rohitpic.jpeg	45678901234	KL RAHUL	3425678900	Batsman	/upload/rahul.jpeg
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	India	Right hand	Right Arm Fast	1985-05-13	dinesh@gmail.com	/upload/dineshepic.jpeg	456789068705	Dinsh Karthik	5678978054	Batsman	/upload/dinesh.jpeg
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Fig 8.9: Database

## **CONCLUSION**

The IPL Bidding App is a very useful tool for admins to manage the entire auction process. It allows the admin to add and update team and player details, control budgets, and place or monitor bids during the auction. With this app, admins can easily track which players have been sold, which team bought them, and how much money each team has spent or has left. It also shows all team and player details clearly, helping the admin make sure everything runs smoothly and fairly. The app keeps all information in one place and updates it in real time, making it easier to avoid confusion and mistakes. Overall, this bidding app gives the admin full control over the auction, helps manage teams and players better, and makes the auction experience more organized, efficient and enjoyable for everyone involved in the IPL auction process.

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