

# **A Mini Project Synopsis on Sports Club Management System**

**S.E. – Computer Science and Engineering-Data Science**

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## CERTIFICATE

This to certify that the Mini Project report on **Sports Club Management System** has been submitted by **Sanchit Patil (21107001), Vedant Parulekar (21107043), Vanshika Salve(21107010) & Ekta Panchal (21107049)** who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Computer Science and Engineering(Data Science)**, during the academic year **2022-2023** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Date: / /2022

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# **Chapter 1:**

## **Introduction**

Today we are living in a world of technology. We are using technology as our daily needs. Thus, as a part of technology internet has become most important thing. Cause now each and every kind of devices are connected to cloud. Thus, many of our daily tasks are become dependent on web based. Today many companies or organization even little shops using web-based technology for maintaining their business or organization. So, we are trying to build something that is related to web technology and can make life easier to people.

Sports are fundamental in the development of our society. Sport plays an important social role with regard to inclusion, since sport for all involves the participation of all citizens, regardless of their physical, cognitive, psychological and socio-economic characteristics, by developing and strengthening social cohesion. Sport clubs help the youth to develop life enhancing critical social skills such as good citizenship, positive peer relations and respect for authority through interaction with people their own age and their elders. This club is developed keeping in mind the regular day-to-day operations of a sports club.

Sports Club Management is a system that provides and manages various club activities such as member registrations for monthly, quarterly and yearly plan of different Indoor & Outdoor Sports. It allows normal users to avail for club membership and even enroll for various activities. User can easily through the detail schedule of particular sports, timing, membership, coach allotted and the days for each sport.

### **1.1 Purpose:**

The Sport Club System offers the community an opportunity to participate in a broad variety of sports and recreational activities. All programs are based on member's interest. Sport Clubs System provide a valuable learning experience through members involvement in organization, administration, scheduling, teaching, and leadership development. To make a club fully technology based that can be easily handled. The main intention of this sports club is to provide the members with different sports activities and events. This system is built with respect to managing a sports club. This sports club management is build keeping in mind various types of monthly, half yearly and yearly sports activities.

## **1.2 Objectives:**

The main objective of the Sports Club Management is to promote “full participation” in sports. This club aims to provide a healthy sporting habit among the people and also to promote and develop interest in a particular sport or physical activity. It will focus on to improve skills and enhance employability. Developing and growing the quality of sportsmanship in the members. Trying to add all types of work that club can easily do. Promoting sport and educational opportunities to the wider community. This club provides different indoor and outdoor sports membership.

In sports we learn to relate ourselves with other people who have similar interest and a common goal to achieve. It does not matter the sport, whether it is an individual or a team sport, there are always people around us that get directly or indirectly to make it possible.

Parents who buy their kinds the equipment that they need, make sure they get in time to the practice field and cheer them up whatever the result is. Coaches that set the goals and get the best of their players in order to achieve them. And friends that will be the companions all along the way and many more friends that will be made in the path. Despite the most visual part of the sports, there are also things that are not as easily seen and require a huge amount of work. The bigger the club is the more increases the effort required for this task, and having the data organized and accessible is fundamental.

### **1.3 Scope:**

The scope of the Sports Club Management is to involve handling all the administrative aspects of sports clubs, athletes and sports events. This club is required at all levels where sports are played – from schools to colleges and from local, national to international levels.

Sport clubs help the youth to develop life enhancing critical social skills such as good citizenship, positive peer relations and respect for authority through interaction with people their own age and their elders. Studies have shown that those whom engage in sport and physical activity are more confident. This self-confidence grows and feeding off the achievement's children will discover a capacity within themselves that they never knew existed. Being part of a team and achieving success together is an incredibly rewarding experience

- Great way to meet new people
- Easy join, affordable and also get access to the great facilities
- Playing sport is a terrific pastime – it gets you active and outside, it lets you unleash your competitive spirit
- Flexible timing for all sports
- Different coach for all the sports
- Learning or practicing new sports will help in adding your new skills

## **Chapter 2:**

### **Problem Definition**

In a list, the problems identified with the Access database are:

- Keeping the data only on paper is no longer an option.
- The task to subscribe via paper or unsubscribe may take a long time until it reaches the database.
- The task to entry new data and maintain the current gives a lot of work and unless there is more than one in charge of this task, the data will potentially end up outdated.
- It is required to be physically in the club to access to the database.
- If the computer breaks, the data will get lost unless you have a regular backup system
- Organization of workload becomes hefty and inconvenient.

Currently, the process of managing the sports club is file based and manual. This management system slows down functionality of the club. For example, a new user wants to enroll in a training batch he/she has to visit the club and fill up the registration form. The form then passes through a hierarchy of club members before approval. It takes time as well as effort from a user's perspective.



## **Chapter 3:**

### **Proposed System**

The proposed Sports club management system is fully automated and requires just one person from the club to maintain the functionalities of the club. The members can register for new membership and the non-members too. No need of clumsy paper-work. No need to be physically present to book the ground. No manual processing of requests.

Advantages:

- The system is easy to use and saves human efforts and cost
- The system stores enrollment details of all the users and it can be accessed by admin only
- Enrolled user can check the detail information of each sport like the coach allotted to the particular sport, charges for different monthly, half yearly and yearly plan and also the days and timings.
- User can easily enroll for the interested sport online and get the membership

.

### **3.1. Features and Functionality**

- Various Indoor & Outdoor sports membership available.
- Weekly updates about ongoing and upcoming events in notice section. User will also be updated about any changes in time, activity or slot in notice section. Admin can add or edit the notice section from the admin panel and also the event name and date.
- Admin can access the details of enrolled user. They can check the member details & their membership plans.
- Schedule of all the sports and faculty members available. Schedule page gives the details about the coach appointed to the particular sports. It also shows the morning & evening timing and the number of activity days. User can check the members or non-members charges.
- Online registration allows players to sign up from home or on the go, skipping the pesky paperwork process

## Chapter 4:

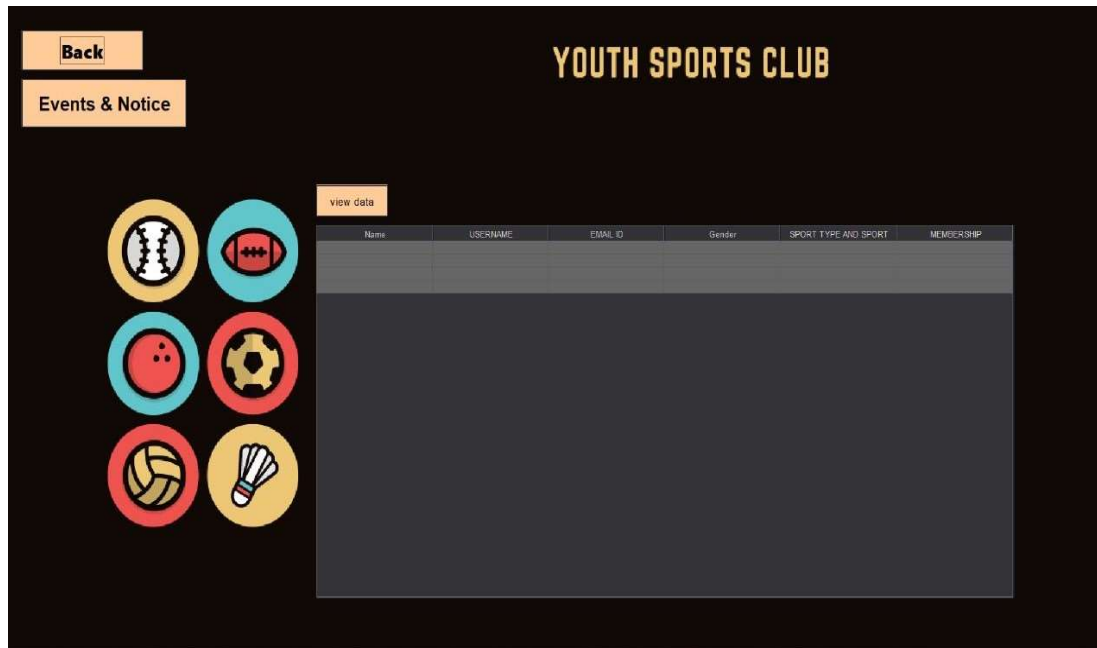
### Project Outcomes

#### 1. Admin:

- i. Login Page- Admin can login by entering their username and password.



- ii. Enrolled User Page- Admin can check the new registered user and enrolled user details.
  - Name
  - Username
  - Email ID
  - Gender
  - Sports Type and Sport
  - Membership



- iii. Notice and Event Page- Admin can add event and notice in this page.



## 2. Enrolled User:

- i. Login Page- Enrolled user can login by entering username and password.



- ii. Main Page- User is directed to the main page after login



- Schedule and Staff Page: Indoor and Outdoor Sports


User can through all details for each particular sport and then enroll for the sport interested

- Schedule: Quarterly, Half Yearly and Yearly
- Members Charge
- Non-members Charge
- Days
- Timing: Morning or Evening
- Coach

<div> <a href="#">Main Page</a> </div>		<h1>SCHEDULE</h1>							
<h2>Indoor Sports</h2>									
<h3>Table Tennis</h3>									
Schedule	Members Charge	Non-Members Ch	Days	Morning	Coach				
Quarterly	750	1500	Sat & Sun	9am-1...	M.J				
Half Ye...	1000	2000	Sat & Sun	9am-1...	M.J				
Yearly	1500	3000	Sat & Sun	9am-1...	M.J				
<h3>Chess</h3>									
Schedule	Members Charge	Non-Members Ch	Days	Evening	Coach				
Quarterly	800	1500	Sat & Sun	4pm-6pm	P.S				
Half Ye...	1200	2000	Sat & Sun	4pm-6pm	P.S				
Yearly	1600	2500	Sat & Sun	4pm-6pm	P.S				
<h3>Carrom</h3>									
Schedule	Members Charge	Non-Members Ch	Days	Evening	Coach				
Quarterly	800	1500	Sat & Sun	4pm-6pm	P.D				
Half Ye...	1200	2000	Sat & Sun	4pm-6pm	P.D				
Yearly	1600	2500	Sat & Sun	4pm-6pm	P.D				
<h3>Gymnastic</h3>									
Schedule	Members Charge	Non-Members Ch	Days	Evening	Coach				
Quarterly	2000	3500	Sat & Sun	4pm-7pm	J.M				
Half Ye...	3000	4500	Sat & Sun	4pm-7pm	J.M				
Yearly	4000	6000	Sat & Sun	4pm-7pm	J.M				
<h2>Outdoor Sports</h2>									
<h3>Cricket</h3>									
Schedule	Members Charge	Non-Members Ch	Days	Morning	Evening	Coach			
Quart...	3000	5500	Wed...	7am-...	4pm-...	S.P			
Half Y...	6000	8000	Wed...	7am-...	4pm-...	S.P			
Yearly	9000	12000	Wed...	7am-...	4pm-...	S.P			
<h3>Athletics</h3>									
Schedule	Members Charge	Non-Members Ch...	Days	Evening	Coach				
Quarterly	3000	5500	Mon-Wed	4am-6am	S.P				
Half Ye...	4500	6000	Mon-Wed	4am-6am	S.P				
Yearly	6000	9500	Mon-Wed	4am-6am	S.P				
<h3>Football</h3>									
Schedule	Members Char	Non-Members	Days	Morning	Evening	Coach			
Quart...	3000	5500	Wed...	7am-...	4pm-...	S.L			
Half Y...	6000	8000	Wed...	7am-...	4pm-...	S.L			
Yearly	9000	12000	Wed...	7am-...	4pm-...	S.L			
<h3>Basketball</h3>									
Schedule	Members Char	Non-Members	Days	Morning	Evening	Coach			
Quart...	3000	5500	Sat-Tue	7am-...	4pm-...	S.K			
Half Y...	6000	8500	Sat-Tue	7am-...	4pm-...	S.K			
Yearly	9000	12000	Sat-Tue	7am-...	4pm-...	S.K			
<div>ENROLL</div>									

- **Enroll Page:** User can click on enroll button on schedule page to access this page and then user can fill the following details to enroll for the sport-
  - Name
  - Username
  - Email id
  - Gender
  - Sports
  - Membership

Also, these details will be saved in the enrolled user page and it can be accessed by the admin.



The image shows a web form titled "YOUTH SPORTS CLUB" on a dark background. On the left, there is a 3x2 grid of six circular icons representing different sports: a baseball, a football, a basketball, a soccer ball, a volleyball, and a badminton racket. The form fields are arranged in three rows and three columns. The first row contains text input fields for "Name", "Username", and "Email ID". The second row contains dropdown menus for "Gender" (with "Male" selected), "Sports" (with "Chess" selected), and "Membership" (with "Quarterly" selected). The third row features a single orange "Enroll" button centered below the other fields.

YOUTH SPORTS CLUB		
<b>Name</b>	<b>Username</b>	<b>Email ID</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Gender</b>	<b>Sports</b>	<b>Membership</b>
<input type="text" value="Male"/>	<input type="text" value="Chess"/>	<input type="text" value="Quarterly"/>
<input type="button" value="Enroll"/>		

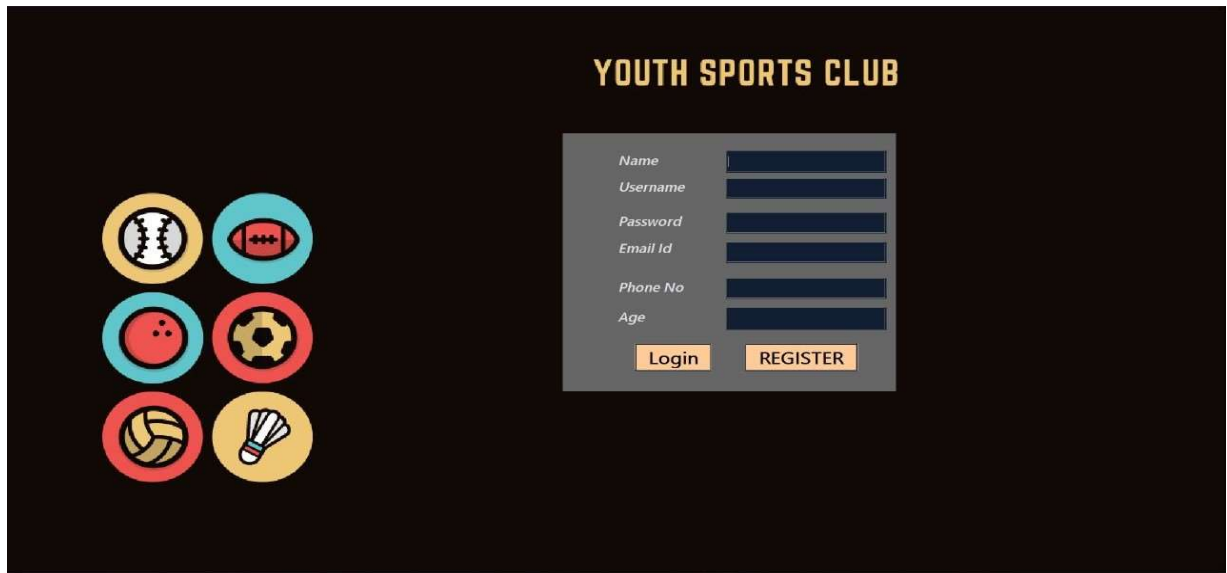
- Notice Page: Enrolled user can check the events and notice added by the admin on this page.



### 3. New User:

- Register Page- New user must get registered first and the user must enter the following details to get registered:
  - Name
  - Username
  - Password
  - Email ID
  - Phone No
  - Age





- ii. Login Page- After registration, the user must login
- iii. Main Page: After login the user will be accessed to the main page.

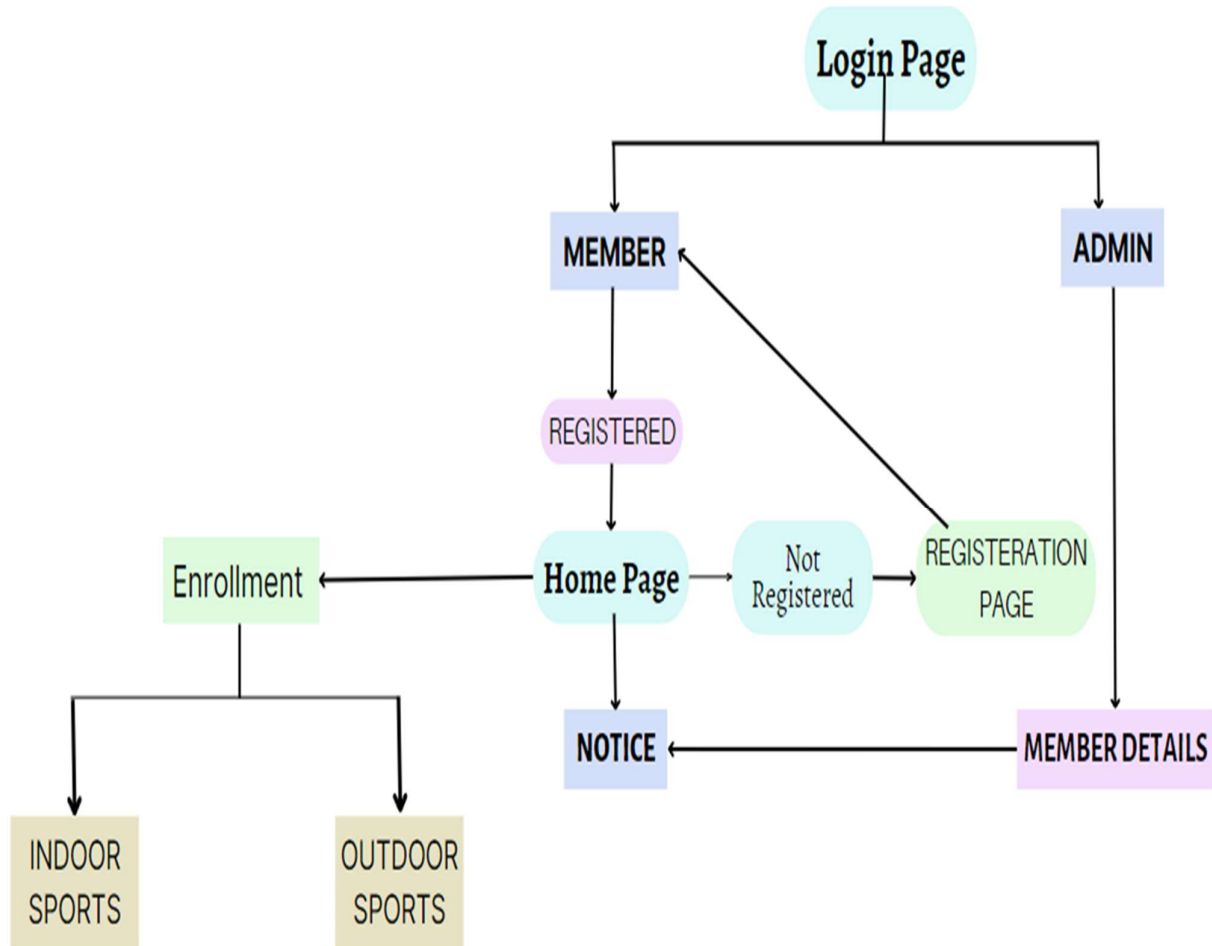
## Chapter 5:

### Software Requirements

- NetBeans-
  - It is an integrated development environment (IDE) for Java.
  - NetBeans IDE Version is 8.2
  - Used for the front-end design.
- MySQL-
  - It is an open-source relational database management system
  - It is a workbench for design edit of the table
  - MySQL Version is 8.0.3.0
  - Used for the back end
- JDK-
  - The Java Development Kit
  - JDK is a development environment for building applications, applets, and components using the Java programming language.
  - JDK Version is 19.0.1

## Chapter 6:

### Project Design



## Chapter 7: Project Scheduling

PROJECT TITLE: SPORTS CLUB MANAGE	INSTITUTE & DEPART AP SHAH INSTITUTE OF TECHNOLOGY (Information)
PROJECT GUIDE: Ms. PORNAM PANGAF	DATE 10-11-22

[illegible]

## **Chapter 8:**

### **Conclusion**

Well, all above we tried to show all of the things of our project. The sports club as a nonprofit management aims to offer its members the opportunity to practice sport and to pass leisure time actively. This project is designed to facilitate different sport activities with flexible timing and affordable charges.

There is always a room for improvement in any system, however efficient the system may be. The important thing is that the system should be flexible enough for future modifications. The system has been factored into different modules to make system adapt to the further changes. Every effort has been made to cover all user requirements make it user friendly.

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