

Project Report

ISC Management System

Course Code: CSD317

Team Members

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Statement of Purpose

The Indoor Sports Complex (ISC) serves as a vital hub for students at the Shiv Nadar Institute of Eminence, providing a sanctuary for daily exercise and relaxation amidst rigorous academic pursuits. Offering a myriad of facilities including indoor badminton courts, a fully-equipped gym, and table tennis tables, ISC caters to diverse recreational needs.

However, a prevalent challenge faced by students is the absence of a structured system for accessing these amenities, often resulting in a chaotic first-come-first-serve scenario. Recognizing this issue, our project endeavors to streamline the facility reservation process, empowering students to secure designated slots at ISC without contention or confusion.

By implementing a systematic booking system, students gain the ability to reserve time slots for their desired activities, ensuring equitable access and minimizing conflicts. This initiative aims to enhance the overall experience at ISC, fostering a more organized and inclusive environment for student well-being and recreation.

Tables

STUDENT

Roll_num	firstname	lastname	dept	year	email_id
Int	Varchar(50)	Varchar(50)	Varchar(3)	Date	Varchar(50)

AREA

a_id	booked_by	start_time	end_time
int	int	datetime	datetime

USERS

Id	username	password	role	is_banned_unavailable
int	varchar(50)	varchar(64)	ENUM('student','staff','admin')	boolean

COACH

coach_id	name	sport_taught	experience	salary
int	varchar(255)	varchar(255)	int	decimal(10,2)

SLOTS

aid	booked_by	start_time	end_time
int	int	datetime	datetime

COACH_TRAINS

coach_id	student_
int	int

EQUIPMENT

E_ID	E_TYPE	count
int	varchar(50)	int

EQUIPMENT_BOOKINGS

S_ID	E_ID
int	int

Screenshots

Addition of Areas

Areas

Coach

Equipment

Admin Dashboard

Logged in as: admin

Logout

Area ID

4

Area Name

Badminton Court

Submit

	Area ID	Name
0	1	Tennis Court
1	2	Gym
2	3	Yoga Room

Select an area:

2: Gym

Select action:

Update Name

Areas

	Area ID	Name
0	1	Tennis Court
1	2	Gym
2	3	Yoga Room

Select an area:

2: Gym

Select action:

Update Name

Enter new name:

Gymnasium

Press Enter to apply

Update

Areas

	Area ID	Name
0	1	Tennis Court
1	2	Gymnasium
2	3	Yoga Room

Select an area:

1: Tennis Court



Select action:

Update Name



Enter new name:

Gymnasium

Update

Area name updated successfully.

Coaches

Add Coach

Add Coach



Coach ID

1



Name

Harish Roy

Sport Taught

Cricket

Experience

1



Salary

50000.00



Submit

Coach information submitted successfully.

All Coaches and Options



	Coach ID	Name	Sport Taught	Experience	Salary
0	1	Harish Roy	Cricket	1	50,000
1	2	Harini Rangarajan	Tennis	3	80,000

Select Coach to Delete

☒ 1

☐ 2

Delete Coach

Update Experience or Salary:

Select Coach

1



Select Attribute to Update

Experience



Enter New Experience

0



Update

Equipment

Equipment Page

Available Equipment

	ID	Type	Count
0	1	Racquet	2

Add Equipment

Add New Equipment



Remove Equipment

Remove Equipment



Add New Equipment



Equipment ID

3

-

+

Type

Ball

Count

6

-

+

Submit

Remove Equipment

Remove Equipment



Equipment ID

1

-

+

Remove

Login

Log in here

LoginRegister

Login Page

Username

Password

Login

Registration

LoginRegister

Register Page

New Username

126

New Password

Select Role

student

Register

Registration successful!

Training

Apply for Coaching

Sport Name

Tennis



Apply

View Your Coaches

Display Your Coaches

You have not opted for any coaches yet.

Cancel Coaching

Coach ID

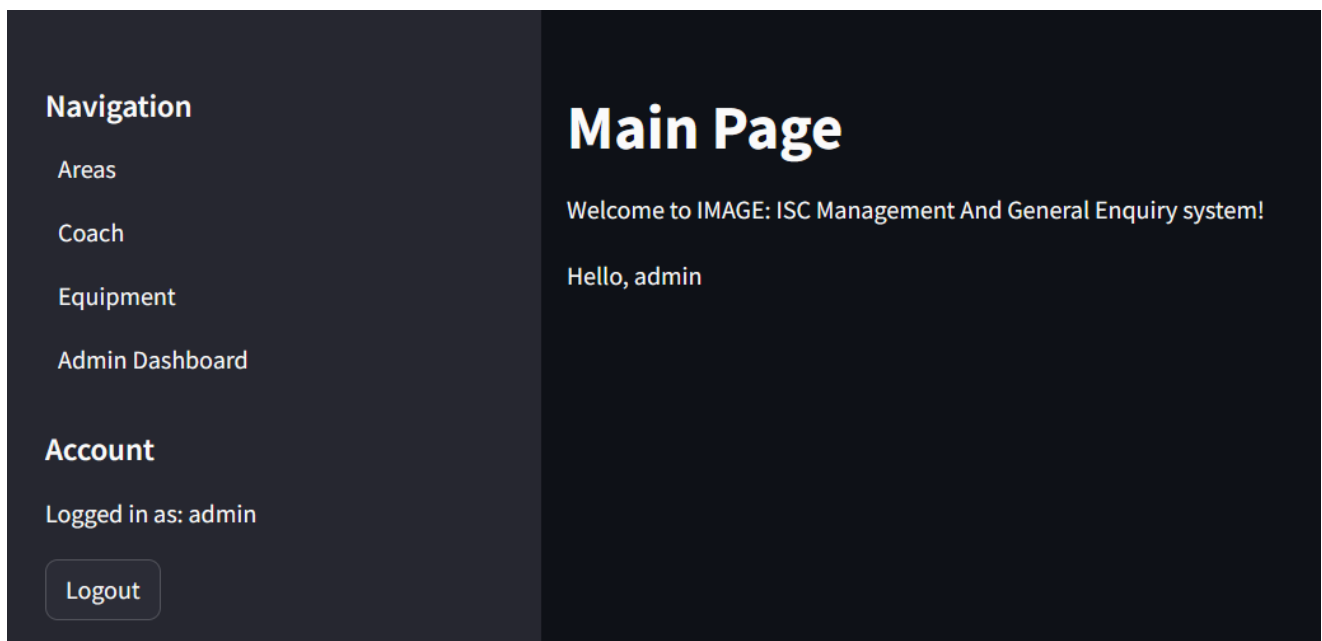
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Cancel Coaching

Admin Homepage



Functionality

- The user logs in onto the login page, you are directed to either the student, admin
- The admin can add and remove equipment, as well as ban students
- The students can book areas, equipment and apply for coaching by a specific coach