C-DAC ADVANCE COMPUTING TRAINING SCHOOL
ATC NETCOM
JAIPUR

Documentation On

"DAC-BOARD-PORTAL"

PG-DAC SEPT 2022

Submitted By:

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CERTIFICATE

This is to be certified that the project

DAC-BOARD-PORTAL

Submitted By:

- Miss. Rohini Nikam
- Miss. Komal Mali

For the award of Diploma in Advance Computing embodies the bonafide work done by them under my supervision.

Signature of Center Co-ordinate   **Signature of Project Guide**

Mr. Nishant Singh   **Mrs.Prajakta Patil**

Acknowledgement

I wish to express my profound gratitude toward my mentors and all those who have helped me during this project for extending their support tirelessly. Owing to the massive encouragement provided my teachers, I have achieved fulfillment of this project.

I express my deep gratitude Mrs. Prajakta Patil for his mentorship as well as ongoing support, I am thankful to his reviewing the entire manuscript with painstaking attention as well.

I would also like to express my profound gratitude to Mr. Nishant Singh for giving his invaluable guidance and time enriching ideas throughout this project and last but not the least, I also feel a deep sense of gratitude for his affectionate encouragement and cooperation in accomplishing the project.

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1.Introduction

ABSTRACT:

Generally, there are too many platforms available for study purpose. But not on single source, we should go through many links, sites, books, etc. for searching a single topic. For that purpose, we invent a new solution which is used for multiple purposes. The DAC-BOARD-PORTAL is nothing but a single media which provides much more facilities to us on a single platform. Its nothing but a classroom in which we can solve quiz , post our doubts , download recording sessions also we can see future schedule with date and time of details. Also go through some important links and use the study material at any time by 24/7.

This is multipurpose portal use for study purpose.

Document Purpose

The advancement in Information Technology and internet penetration has greatly enhanced various invention and communication between students and their staff. This portal is developed to provide the following services:

Enhance Studying Processes:

- By using this portal we found all study material on a single click.
- We can access it.
- We can use this portal any time.
- All data is provided on a service.
- It's also useful to students as well as admin.

Time Management:

- No need to go anywhere for searching study material.
- Too much time is save here.
- Instead of using other resources for a single use we can use this.
- Easy to use.

Problem Statement

Now-a-days due to pandemic situation, the whole world moved towards virtual mode. The students who are learning through online platforms, there are some of the issues due to lack of interactivity. And one of the major factors is that all the data for their classes are scattered, which makes it difficult to find each and every session recording, schedule and many more. Due to these problems, the time utilization is more in searching rather than studying.

Product Scope

The scope of this project is focused on designing and implementing a web based system DAC-BOARD-PORTAL using innovative technology as a significance tool to provide user friendly and secure application for the Institute as well as Students.

Aims & Objectives

Specific goals are: -

- To produce a web-based environment that allows to the admin to add recordings of lectures as well as schedule meeting links of upcoming sessions.

- To provide study material on every day requirements as per modules.
- To provide e-books also notes, links, and so on.
- To provide every details regarding course on a single platform.

2.Overall Description

Service Details:

There are two sections: User and Admin

User:

Student is a user who can only use this portal with their id and password. If any user is new to this portal they can register through the registration page. After that login via login page. There are many options are available on portal like recordings are available you should download it or see it on the portal. Also you should check the schedule meetings or lectures with their dates and timing.

From this you can send feedback also post your doubts. You will check your profile. Many links are available on this portal from which you can check what you want related study. There is one options available for quiz for checking your knowledge. It also gives marks.

For extra study some different links are also provided. All the study material which student require is also provided as on time. You can access it when you want or at any time, it will be available for 24/7. If you have any query you should contact with admin, links also given.

Admin:

Admin can also use this same portal for posting the schedules. they can access student's data as who is login and what are the doubts, also they can see the feedbacks.

Admin can through the meeting schedule on the portal which can accessible by students. He /she can share the recordings in the form of accessible to students.

For future extension we can add many different facilities, assignments, exams, results are also shared on portal.

Users and Admin Characteristics:

Admin

- Admin can login to the system.
- View the list of all details about students.
- Add new schedule meetings.
- Delete recordings.
- Update meeting details.
- View doubts and feedbacks of students.
- Provide Quiz also helpful links.
- View the user's history.
- Provides study materials.

User

- User can login through their id and password.
- New user should register first then go to login page.
- After login dashboard is open in front of you.
- You can download the recordings.
- You can check next schedule meeting time and date.
- You can post your doubts.
- You can share your feedback.
- Also you can try a quiz.
- There are many links for your study, go through it.
- If any query contact details also provided there.
- You also check your profile from this portal.

Operating Environment:

Hardware:

      Processor: Intel® Xeon® processor 3500 series

      HDD: Minimum 500GB Disk Space

      RAM: Minimum 2GB

      OS: Windows or Linux

Software:

      Front-End: HTML, JAVA Script, Bootstrap, CSS, ReactJS

      Back-End: Java(J2EE)

      Database : My-SQL

Design and Implementation Constraints:

- The application will use ReactJS, Bootstrap, JavaScript, HTML and Css as main web technologies.
- HTTP protocol is used as communication protocol. FTP is used to upload the web application in live domain and the student can access it via HTTP protocol.
- Several types of validations make this web application a secured one and SQL Injections can also be prevented.
- For back end purpose Java(J2EE) is used.
- Since DAC-BOARD-PORTAL is a web-based application, internet connection must be established.
- This will be used on PCs as well as Mobiles and will function via internet or intranet in any web browser.

Specific Requirement

External Interface Requirements:

User Interfaces:
- All the users will see the same page when they enter in this portal/website. This page asks the users a username and a password.

- If user is new to the portal, then it is required to register first, they can use these portals after login.

- After being authenticated by correct username and password, user will be redirect to their profile where they can do various activities.

- The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

Hardware Interfaces:

- No extra hardware interfaces are needed.
- The system will use the standard hardware and data communication resources.
- This includes, but not limited to, general network connection at the server/hosting site, network server and network management.

Application Interfaces:

OS: Windows 7, Linux

Web Browser:

The portal is a web-based application/service; students need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.
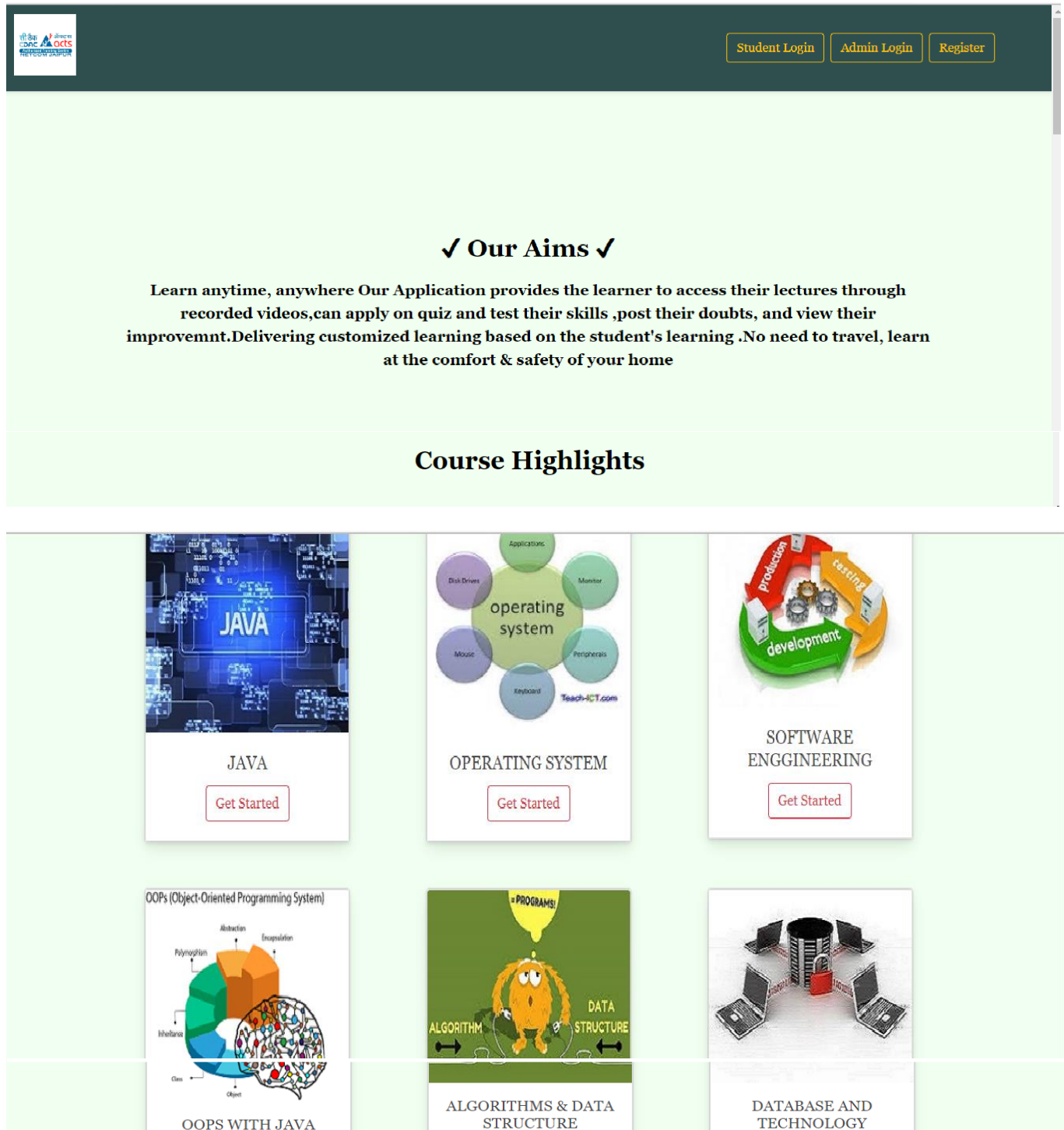
Communications Interfaces:

- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

Benefits of Portal:

- This online Portal solution is fully functional and flexible.
- It is very easy to use.
- This helps in students as well as admin to rectify data on a same platform.
- It saves a lot of time.
- The application acts as a classroom that is open 24/7.
- It increases the efficiency of the management at offering quality services to the students.
- It provides custom features development and support with the application.
- Students can use it anywhere any time.
- Access data through this portal.

3. ScreenShorts:

Pic: 1. Front Page
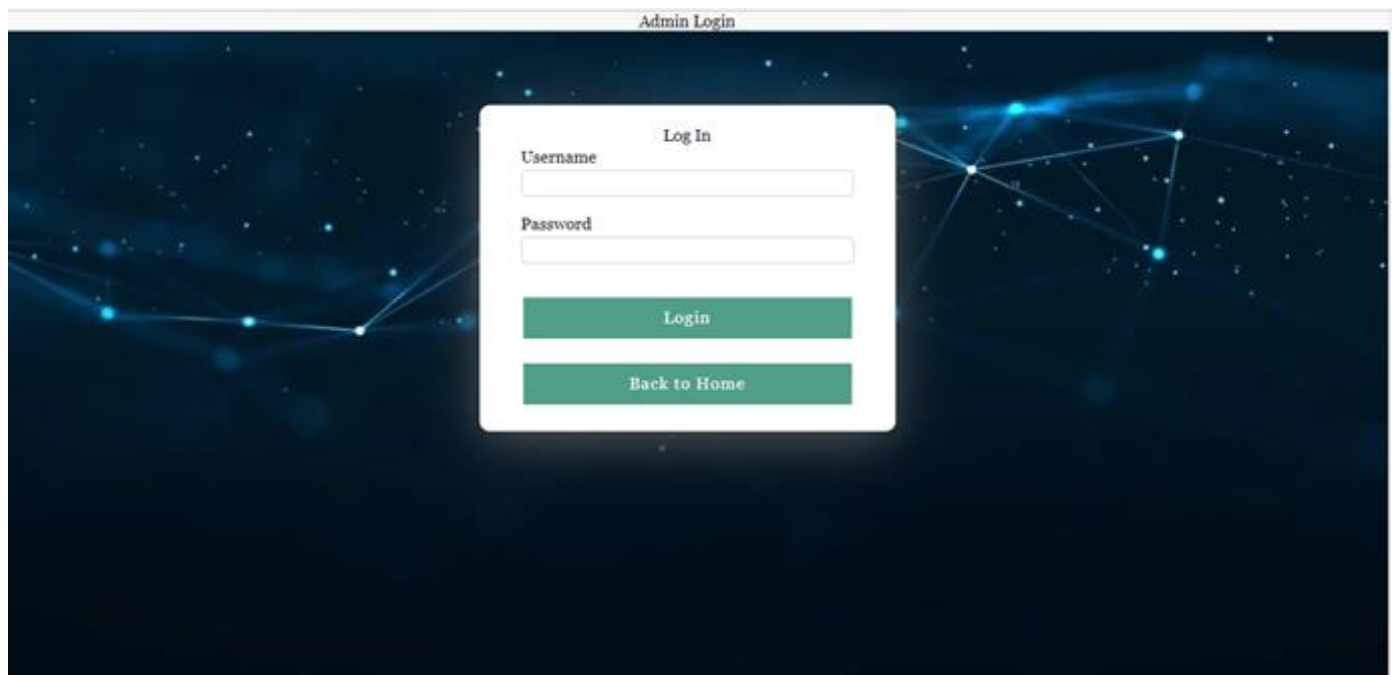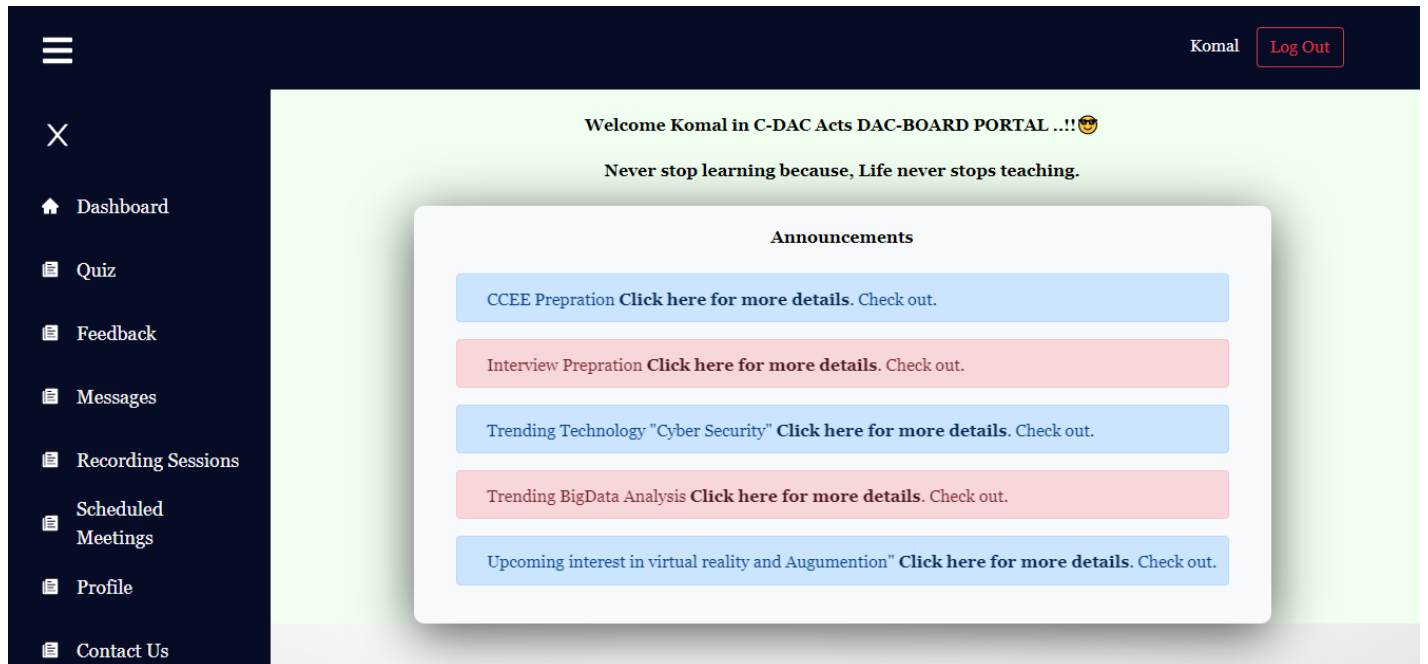
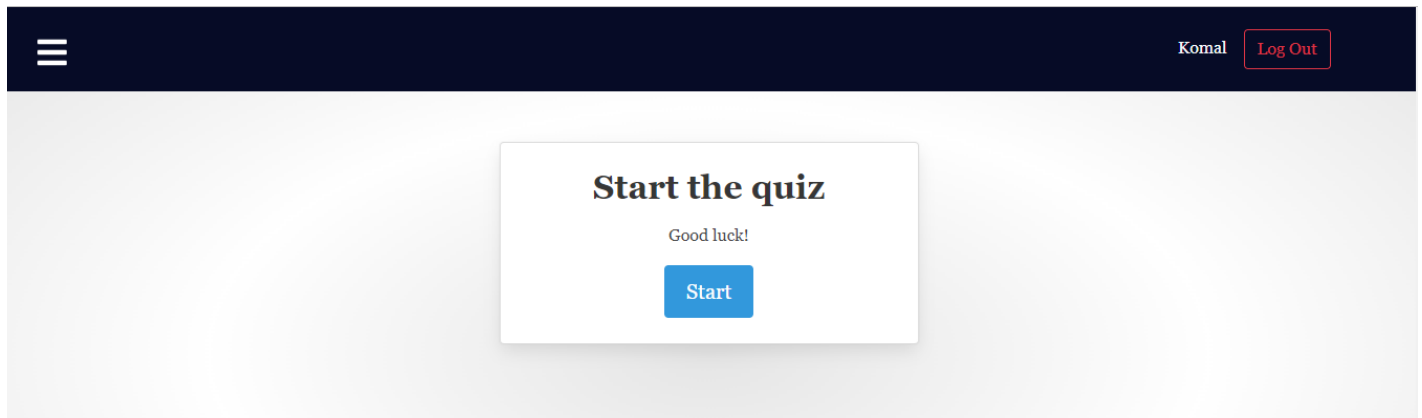Pic: 2. Student Registration Page
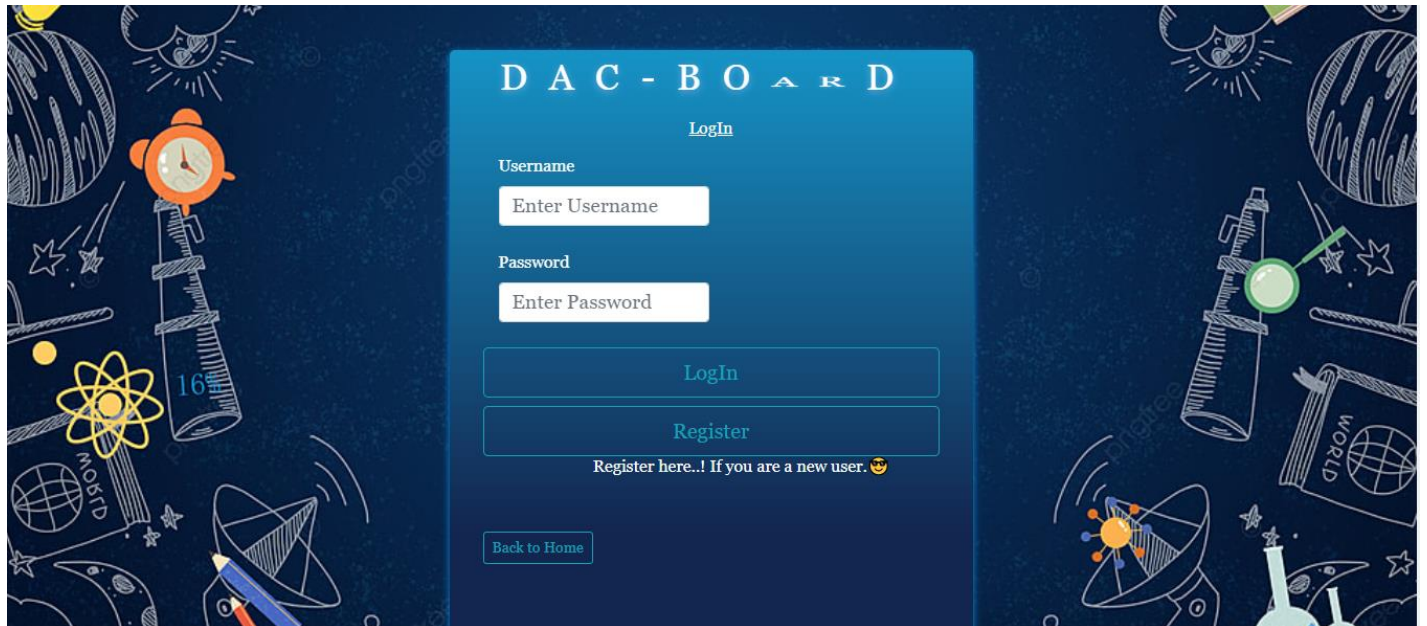
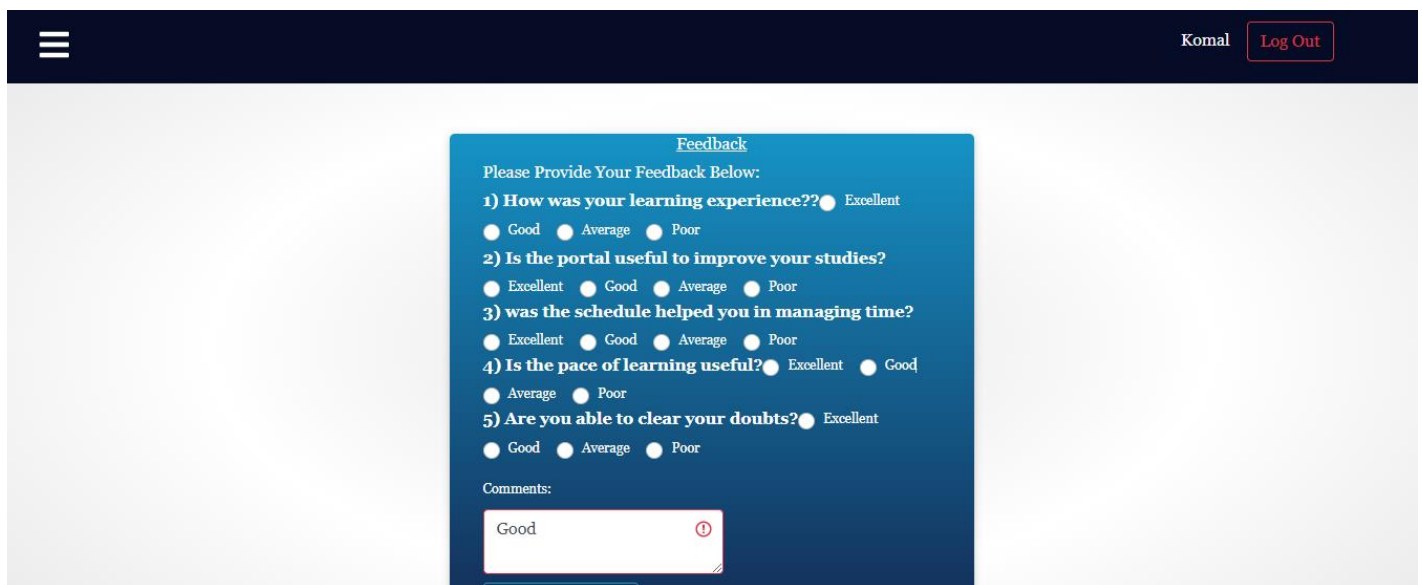Pic: 3. Student Login Page

Pic: 4. Admin Login Page

Pic:5. Student Dashboard
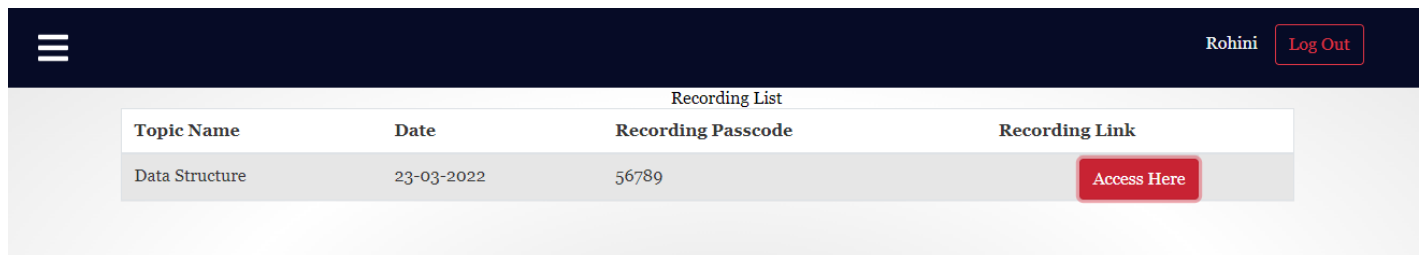
Pic: 6. Quiz

Pic:7. Student Feedback Section
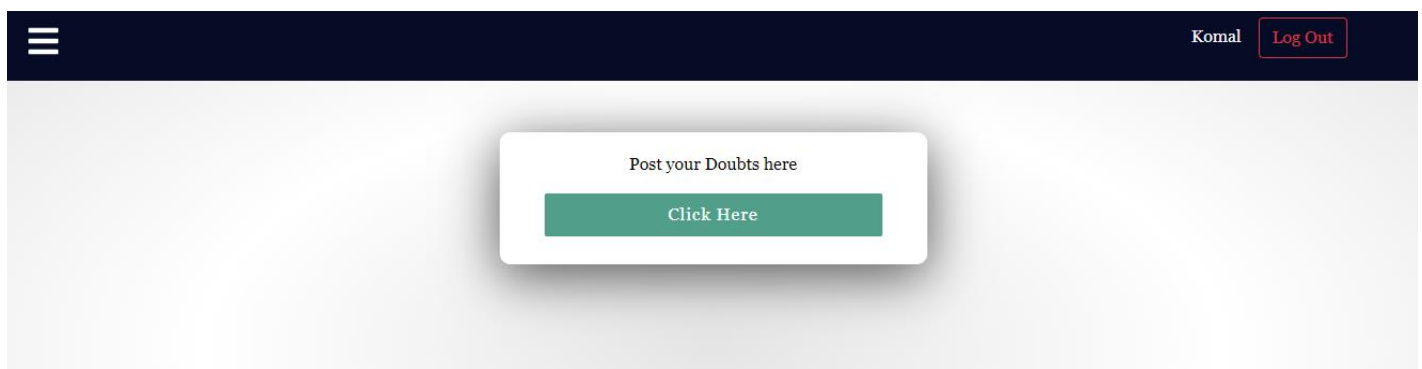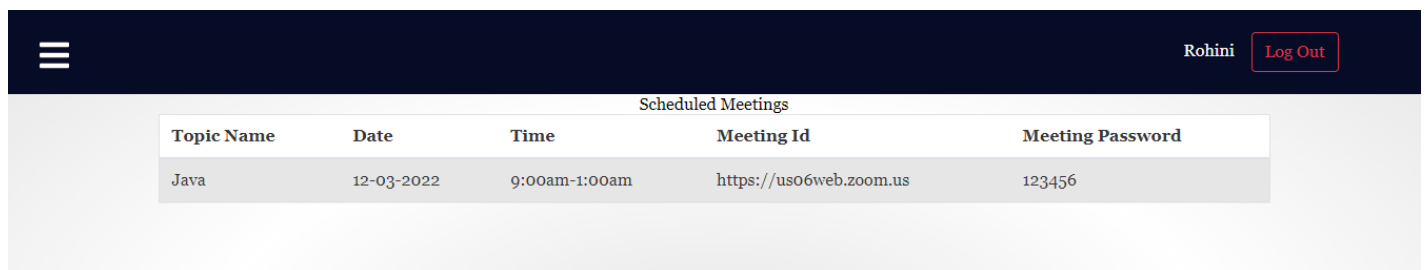
Pic: 8. Student Doubt Section

					Rohini	Log Out
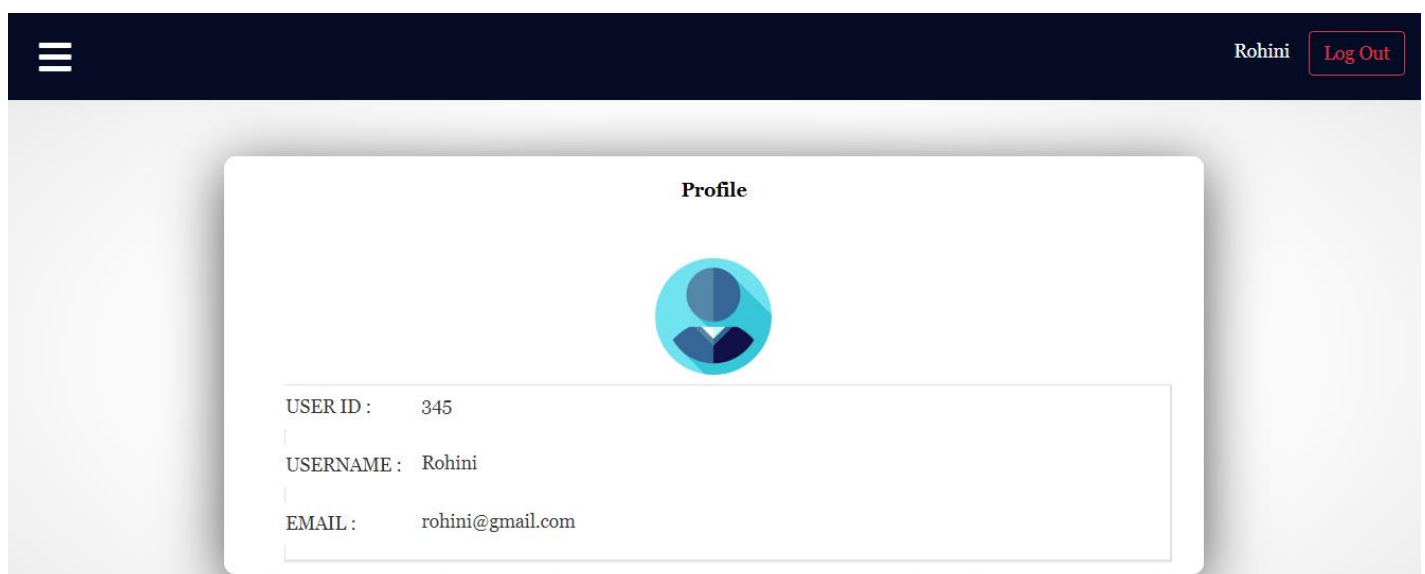
Recording List

Topic Name	Date	Recording Passcode	Recording Link
Data Structure	23-03-2022	56789	Access Here

Pic: 9. Recorded Sessions

					Rohini	Log Out

Scheduled Meetings

Topic Name	Date	Time	Meeting Id	Meeting Password
Java	12-03-2022	9:00am-1:00am	https://us06web.zoom.us	123456

Pic: 10. Scheduled Meeting Sessions

					Rohini	Log Out

Profile

USER ID : 345

USERNAME : Rohini

EMAIL : rohini@gmail.com

Pic: 11. User Profile
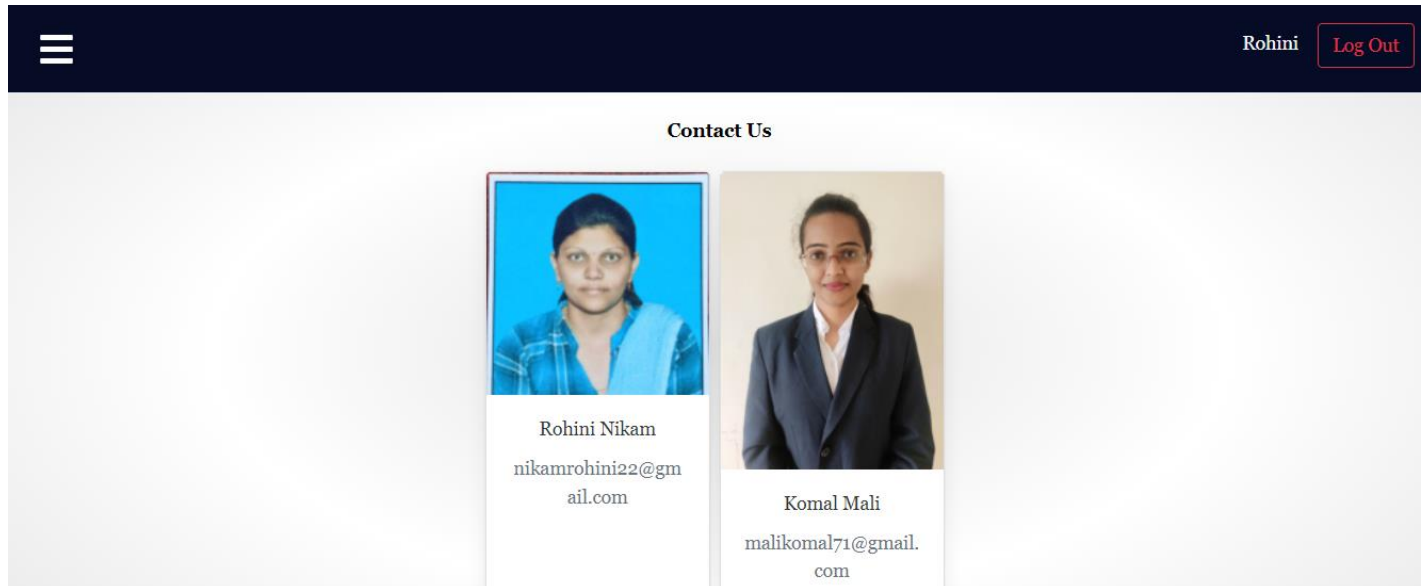
Pic: 12. Contact Details
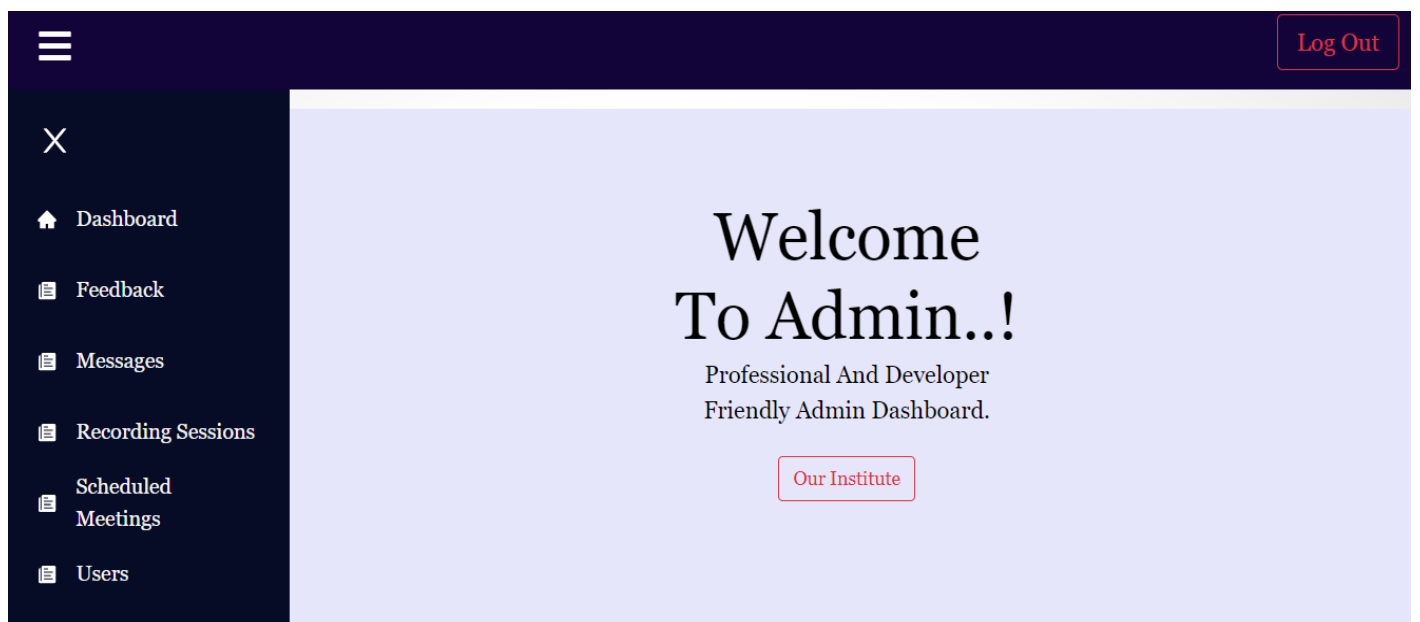
Pic: 13. Admin Dashboard
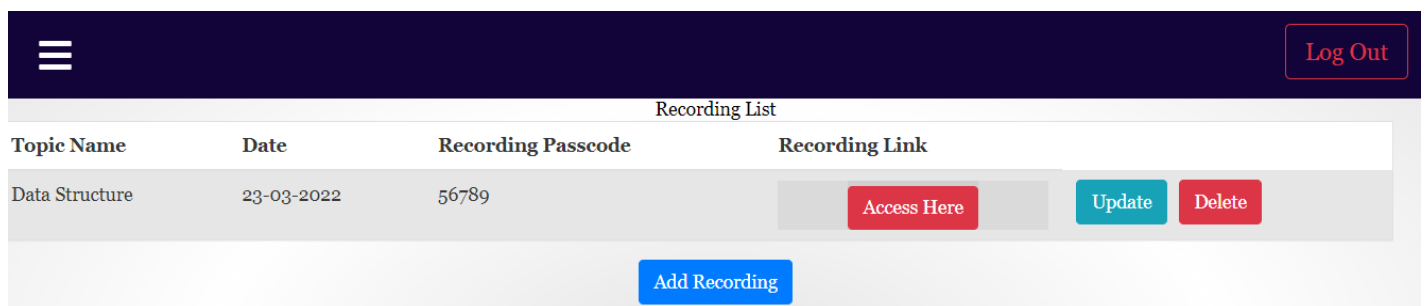
Pic: 14. Admin Recordings list

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☰					Log Out

Scheduled Meetings

Topic Name	Date	Time	Meeting Id	Meeting Password	
Java	12-03-2022	9:00am-1:00am	https://us06web.zoom.us	123456	Update Delete

Add Schedule

Pic: 15. Admin Schedule for Meeting

☰	Log Out

User List

UserId	UserName	Email ID
101	Komal	komal@gmail.com

Pic: 16. User List

☰	Log Out

User's Feedback

| UserId	Comments
101	plz repeat Core Java and Database Technology.
102	Plz Provide All Module Notes.
103	We wants Revision On Spring Boot Topic.

Pic: 17. Admin Feedback

☰	Log Out

Messages List

Sr no	User Id	Message Content
104	104	Due to my power cut issue im not able to join todays session
105	105	plz provide all module notes

Pic: 18. Admin Message Box

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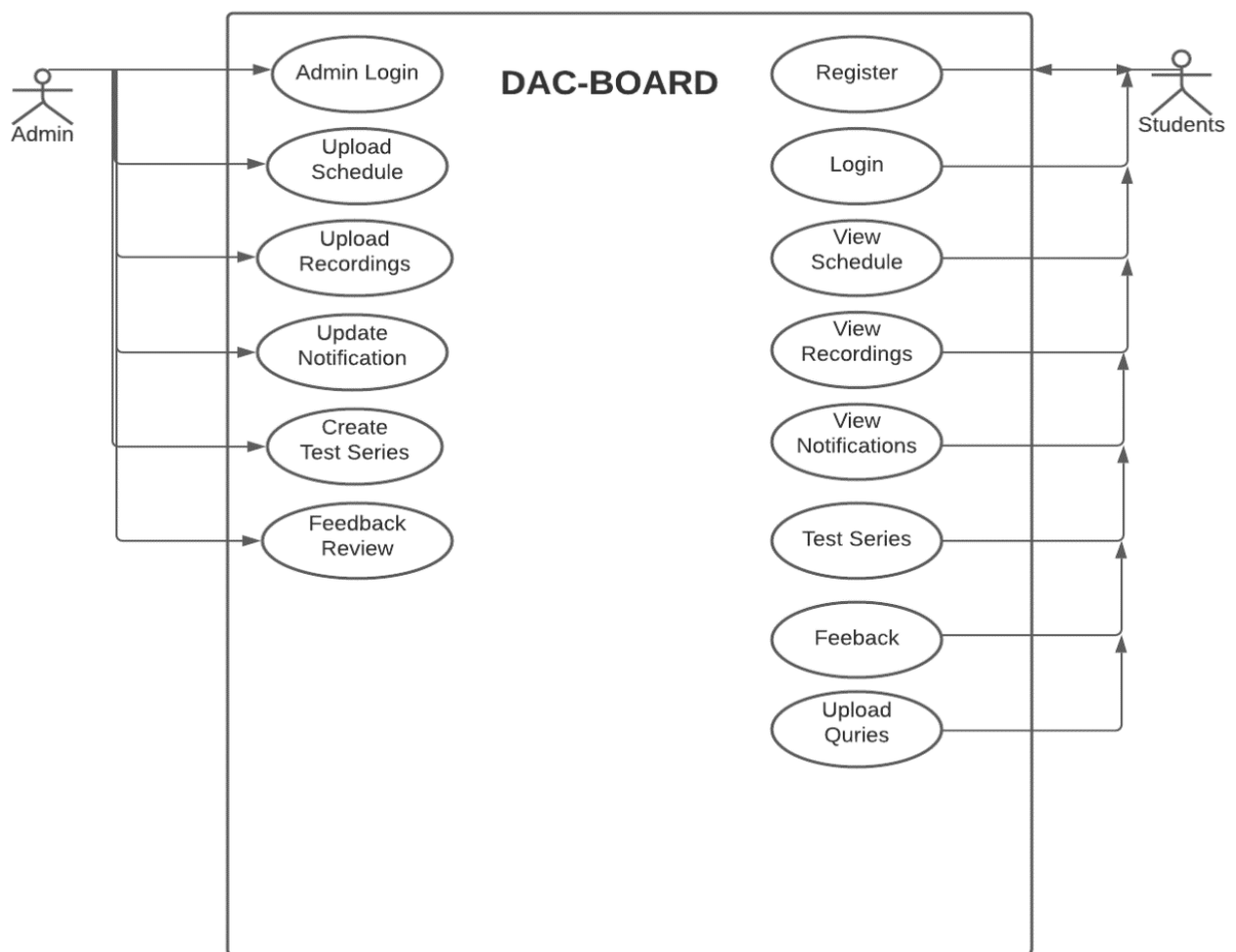
Use Case Diagram:

Figure: Use Case Diagram

4.Table Structure:

1. DESC Users Table

Field	Type	Null	Key	Default	Extra
userid	int	NO	PRI	NULL	auto-Increment
email	varchar(30)	YES		NULL	
username	varchar(30)	YES		NULL	
password	varchar(20)	YES		NULL	
gender	varchar(5)	YES		NULL	
mobno	varchar(10)	YES		NULL	
address	varchar(100)	YES		NULL	

2. DESC Feedback Table

Field	Type	Null	Key	Default	Extra
FID	int	NO	PRI	NULL	auto-Increment
comments	varchar(300)	YES		NULL	
userid	int	YES	MUL	NULL	

3.DESC Message Table

Field	Type	Null	Key	Default	Extra
ID	int	NO	PRI	NULL	auto-Increment
message	varchar(300)	YES		NULL	
user_id	int	YES	MUL	NULL	

4. DESC Recording Table

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto-increment
date	varchar(255)	YES		NULL	
link	varchar(255)	YES		NULL	
passcode	varchar(255)	YES		NULL	
topic_name	varchar(255)	YES		NULL	

5. DESC Schedule Table

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto-increment
date	varchar(255)	YES		NULL	
meeting_id	varchar(255)	YES		NULL	
password	varchar(255)	YES		NULL	
time	varchar(255)	YES		NULL	
tiopic_name	varchar(255)	YES		NULL	

5.Conclusion:

DAC-BOARD-PORTAL, a web-portal where the DAC students can register through their id's and check out the details regarding their online sessions such as they can visit recordings as per schedule in one platform itself and can access the details of future scheduled lectures.
With the help of this portal students can save time in searching data through what's app or any other applications.

Future Scope

The scope of this project is focused on designing and implementing a web based system for DAC-BOARD using innovative technology as a significance tool to provide user friendly and secure application for the Institute as well as Students.

6.References:

1. https://javatpoint.com
2. https://studentprojectguides.com
3. https://classroom.com
4. https://w3tschool.com
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