



North South University

Department of Electrical and Computer Engineering

Project Proposal

” Educational Information Portal”

Database System Lab

CSE311L

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Introduction

Educational portals are an integral part of the eLearning design and development process. Due to its increasing demand, we are going to implement an educational portal system by which students and teachers will be able to make the learning process easier and less time consumable. Educational portals were made to keep the data of the students and teachers digitalized and easily accessible to them. In the education and higher education markets, an educational portal will include a variety of functionality that is similar to corporate but will have features such as rubrics, teacher and student's attendance, CGPA, personal information.

About Educational Information Portal

An education information portal is a software application or a web based technology, enabling management and delivery of content and information of the teachers and students.

Typically, an educational portal provides an instructor with a way to monitor student their participation, and performance. For the students it provides the privilege to keep track with their results and courses in each semester.

Repository link: https://github.com/Shadman1077/CSE311_project

Purpose and Benefits of EIP project:

The main objective of educational portal is to enhance the learning process. It handles registering courses, course administration, student information, teacher's information and student's report card. Most EIP's are web based and are used in various educational institutes and companies to improve classroom teaching, and company records.

7 Benefits of Educational Portal System:

1.Login and sign up for students.

Using an educational portal student can easily enroll in their classes and courses without any kind of problem. Which is very time consuming thing then we want to do it manually.

2. Technology leverage.

In this digital world the working system has totally changed. Today every employee is engaged with a laptop or desktop, and with the help of education portal you make things interesting and exciting for your target audience.

3. Tracking and reporting features.

Another benefit of using an EIP is that you can enhance performance through tracking and reporting tools. Students' progress can be tracked, records can be reviewed, and users can register for more than one course.

4. Easy upgrades.

Content and information can be easily upgraded, as Education Portal Systems offer a centralized location for information which makes it simple to implement changes. plus, all users get the same upgraded information at the same time.

5. Reduced cost and time saved.

The right EIP can reduce the in multiple ways as the teacher doesn't need to travel now, so there are no boarding and lodging charges involved. The teaching cost reduces to great extent. EIP save organizations' students and teachers valuable time and money through web-based system.

6.Interactive environment.

Through new online tools, the interaction and communication part improved. Students can check their grades and progress in real time.

7. Anytime, anywhere

Students or teachers both can use this portal anytime from anywhere by using their device.

4 Educational Institution Portal Features:

Finally, some common features found in the majority of Learning Management Systems include:

1.Managing users.

This helps to assign teachers and enroll students in various courses and sections.

2. Managing courses, attendance.

this helps to manage courses in every semester and uploading courses and assigning to the teachers and students. Teacher gives attendance to the students and they get updated instantly.

3. Administration.

4. Competency management.

With the help of this feature one can track and check the progress of a student in term of result of the courses and evaluate then accordingly.

User Story

Use Case 1:

Mr. A is a new student of a BSU. Now he has to enroll. He has one option

- a) He has to sign up from EIP portal by giving his information's and then sign up into the system as a student.

Use case 2:

Mr. Z is a teacher in BSU. Now he has 2 options.

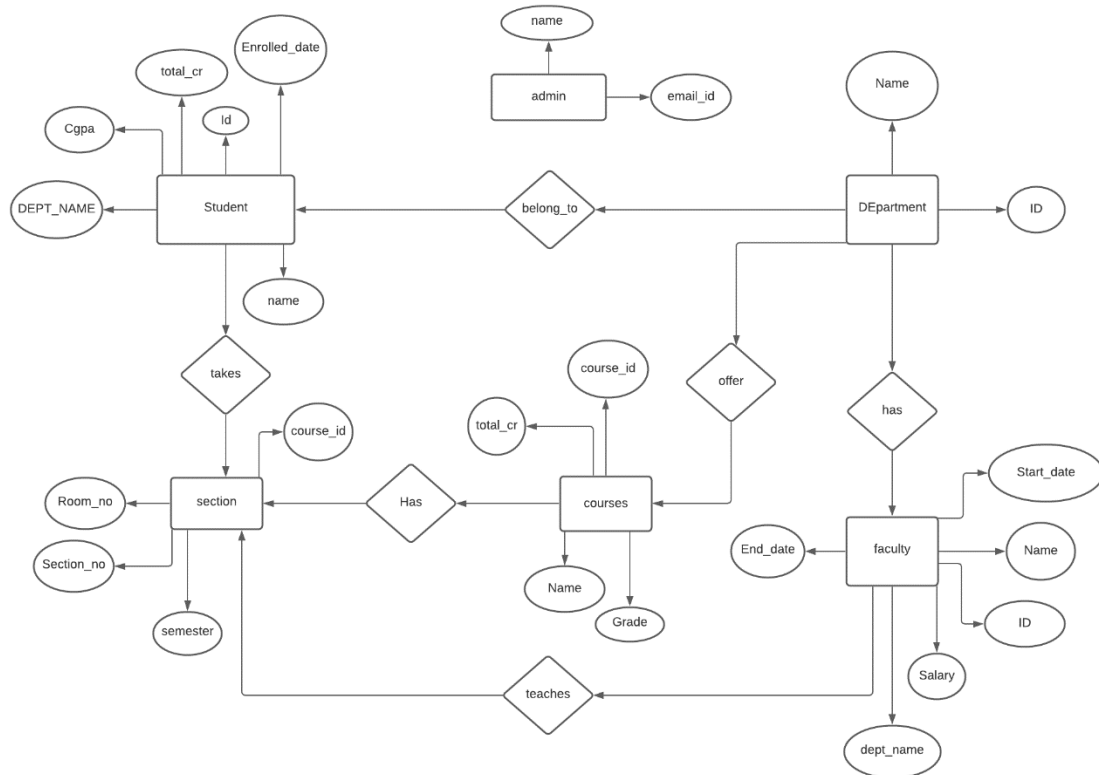
- a) He should login as a teacher into the system and then he can see the assign courses and sections for him in the semester.
- b) He can access the information of the students enrolled under him and give their grades and daily attendance through the portal.

Limitations of the EIP

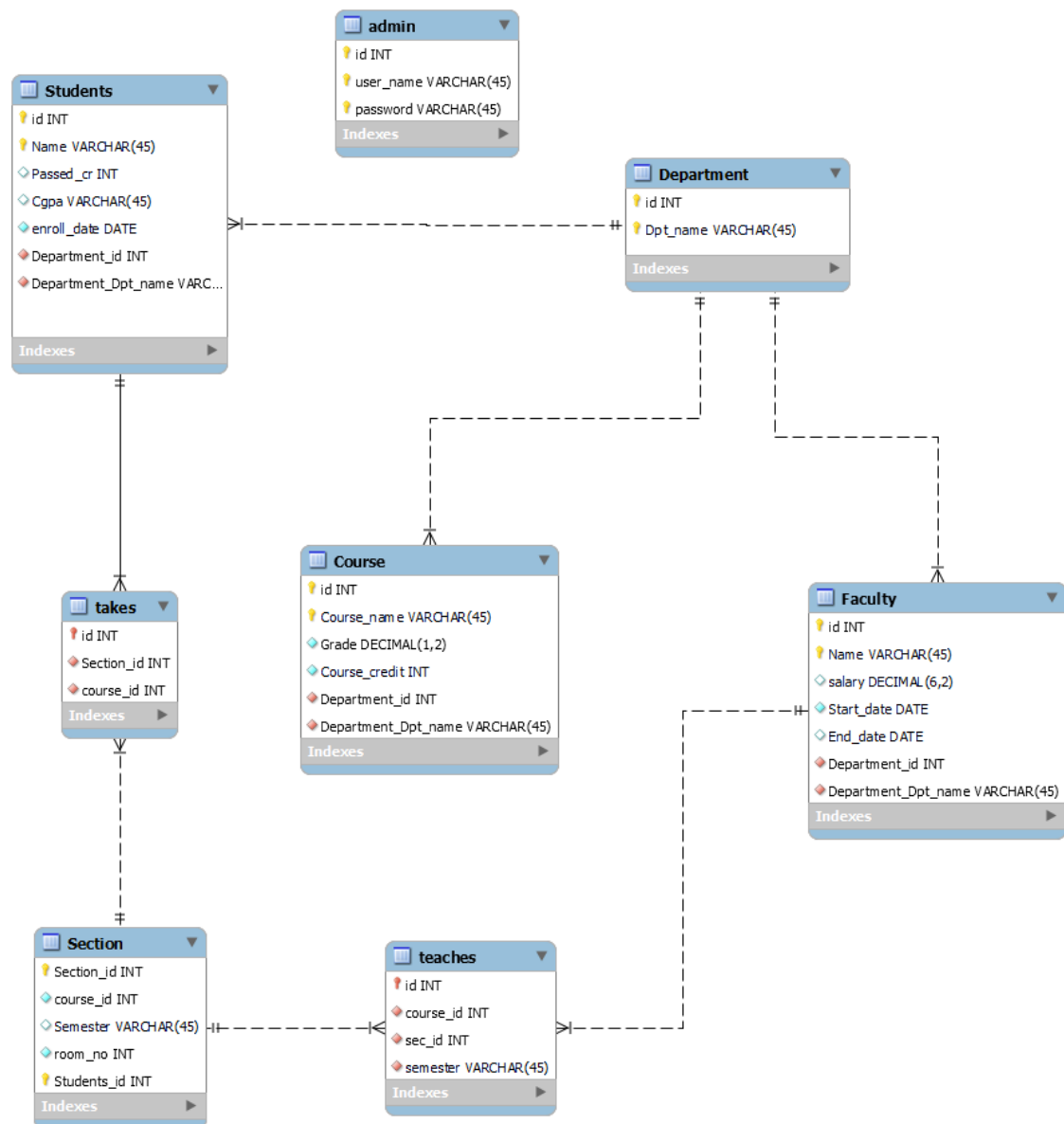
- Organizational and instructor focus. They tend to meet the needs of the organization and the instructor more so than the learner.
- IT Culture. Centralize and control approach to educational technology.
- Course based model that limits community development.

Solution Description

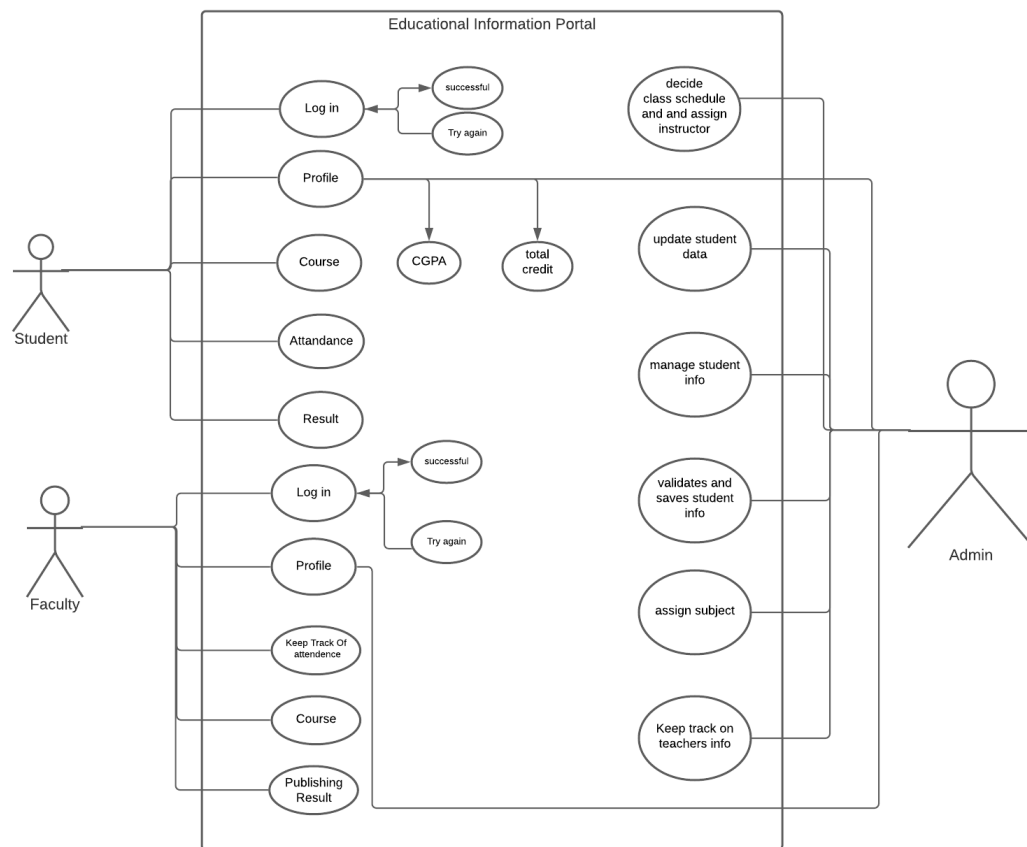
Logical Design of EIP :




EER Diagram/Physical Design :



Use case Diagram:



Examples of various EIP

**Green University**
ISO 9001:2008 CERTIFIED

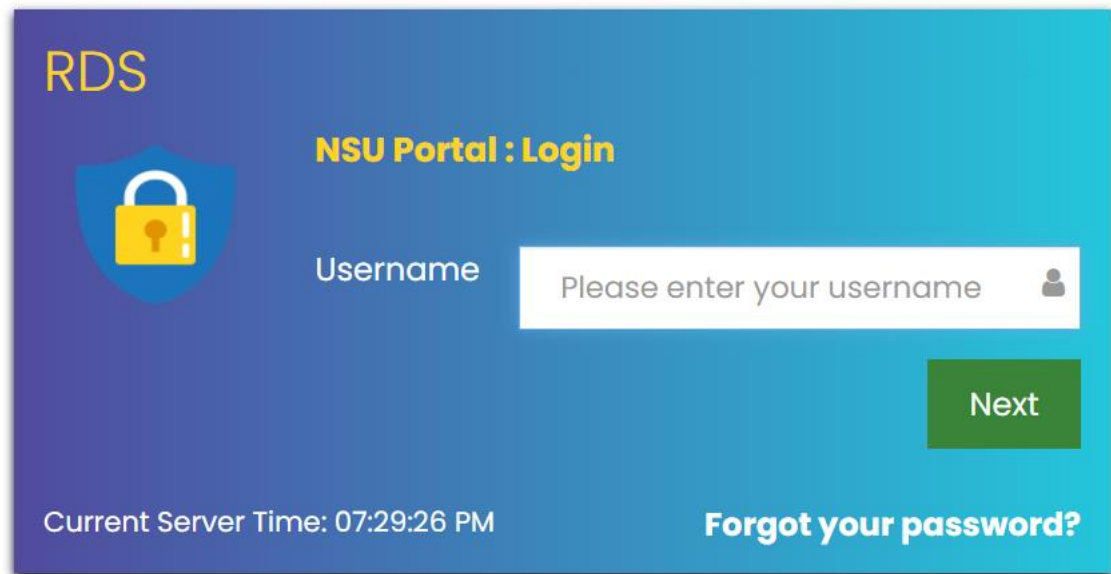
Log In

Please login!

StudentID :

Password :

Please enter login information.



Front end plan:

There are some templates in plan

1. Home page
2. Courses page.
3. Login page (as student/as teacher)
4. Sign up/registrations for students
5. Course details page
6. Students details page
7. Faculty details page
8. Attendance page
9. Grade page
10. Mail page

Back end development:

1. Account Creating as student
 - a. Sign up form
 - b. Login
2. Profile Management:
 - a. Student Profile
 - b. Faculty Profile
 - c. Course details and others

Tools and Technologies:

1. Database: MySQL
2. Protocol: Http
3. Cloud Provider: AWS
4. PHP
5. Html
6. CSS

Advantages:

There are six major advantages of Educational institution portal: interoperability, accessibility, reusability, durability, maintenance ability and adaptability, which in themselves constitute the concept of Educational portal system.

- One can access his profile anytime, from everywhere, teachers Can modify the content, and students can see the updated system.
- The evaluation of students is easier and fair, based on student Attendance and online quizzes.
- Educational system portal webpage helps Keeps organizations up-to-date with compliance regulations. If your organization must stay up-to-date with current compliance regulations, then an Educational Portal can be an invaluable tool.

Budgetary Price

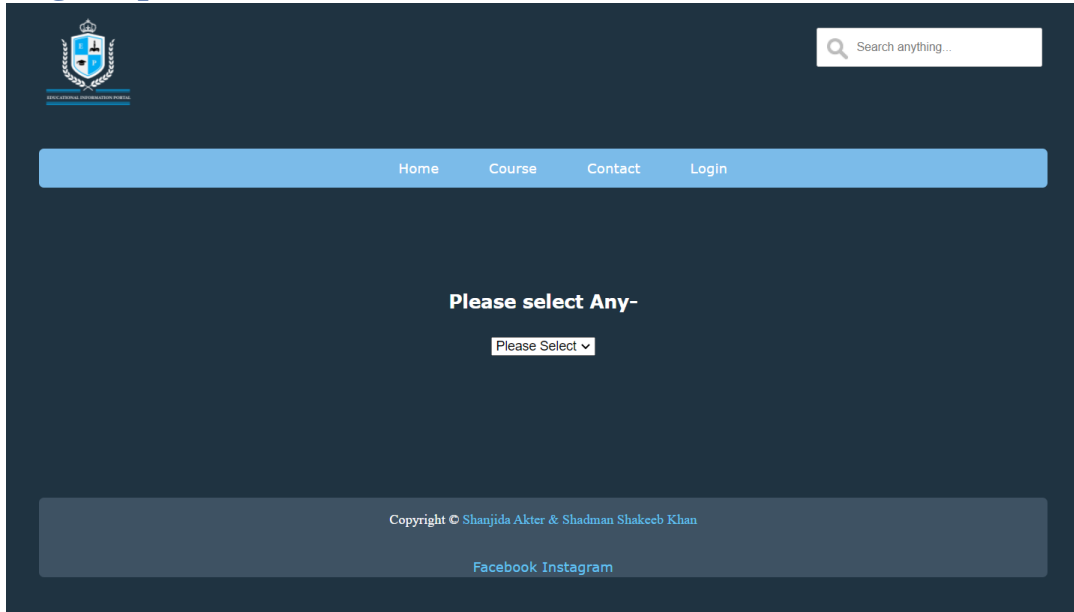
Excluding front end development (2.5 man-week) total time plan = 6 weeks. Following table shows LMS expense. In addition, based on requirement as it reveals during project NSU LMS will help one choose the appropriate cloud hosting. That expense is not included here.

SL	Deliverable	Expense	Comment
1	UI design	xxxxxx	
2	Front end development (HTML,CSS)	xxxxxx	
3	Back-end development	xxxxxx	
4	Database design (MySQL)	xxxxxx	
5	UI integration (HTML clean up and optimization)	xxxxxx	
	Total	xxxxxx	

Note: Price is excluding of any Tax, VAT and other levies.

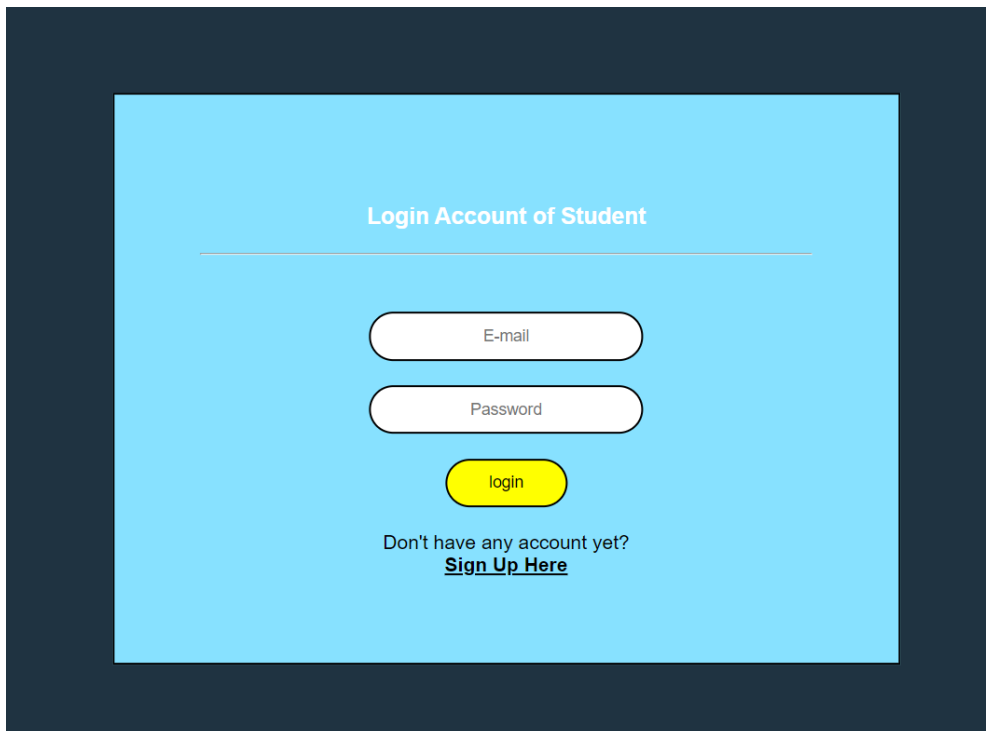
Some Screenshots of Project:

Log in options for Teacher and Student:



The screenshot shows a dark blue login page. In the top left corner is a logo with a shield and a crown, with the text 'EDUCATIONAL INFORMATION PORTAL' below it. In the top right corner is a search bar with a magnifying glass icon and the text 'Search anything...'. Below the search bar is a light blue navigation bar with the links 'Home', 'Course', 'Contact', and 'Login'. In the center of the page, the text 'Please select Any-' is displayed above a dropdown menu that currently shows 'Please Select'. At the bottom of the page, a dark blue footer contains the text 'Copyright © Shanjida Akter & Shadman Shakeeb Khan' and links to 'Facebook' and 'Instagram'.


Log in Page For Student:



The screenshot shows a student login page with a light blue background. At the top, the text 'Login Account of Student' is displayed above a horizontal line. Below the line are three input fields: 'E-mail', 'Password', and a yellow 'login' button. At the bottom, the text 'Don't have any account yet?' is displayed above a link that says 'Sign Up Here'.

Registration Page For Student:

Student Registration

Full Name	<input type="text" value="Full Name"/>
Email	<input type="text" value="E-mail"/>
Password	<input type="password" value="Password"/>
Phone	<input type="text" value="Phone"/>
Date of Birth	<input type="text" value="mm/dd/yyyy"/> 
Gender	<input type="text" value="Gender"/>
Blood Group	<input type="text" value="Blood Group"/>
Address	<input type="text" value="Address"/>
Major	<input type="text" value="Major"/>
Admission Semester	<input type="text" value="Admission Semester"/>

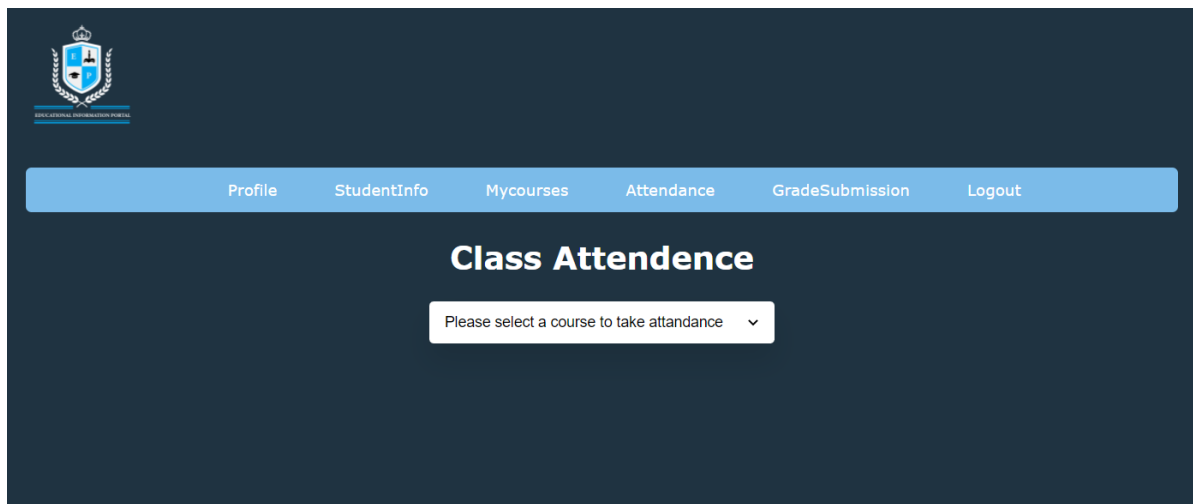
Already registered?
[Sign In](#)

Log in Page For Teacher:

Log in account of Teacher

<input type="text" value="Username"/>
<input type="password" value="Password"/>

User view for attendance page as Teacher:



Conclusion:

A Learning Management System is a technological tool used to deliver Online data. An EIP gives clients a way to create and deliver content, manage users, and monitor the progress of multiple users, all with relative ease. This portal will provide the advantages including features of manages multiple students, teachers and their curriculums.

- Educational information portal is a technological tool used to deliver online educational information.
- This portal will give the clients an easiest way to create and manage their educational accounts.
- This portal may also provide and monitor the progress of multiple users, all with relative ease. Additional advanced features including the ability to manage personal information.
- Educational Information portal are the future of keeping and managing huge data through online.

Appendix

Contact information

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