

Student Course Registration System

Project Report  
On  
Student Course Registration System



Department of Computer Science and Engineering

Tezpur University

B.Tech Test III Assignment

5<sup>th</sup> Semester

Under the Guidance of

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**Submitted By**

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## Acknowledgement

This project — **Student Course Registration System** was a great learning experience for us and we are submitting this project work to the **Department of Computer Science, Tezpur University**.

The satiation and euphoria that accompany the successful completion of the project would be incomplete without mentioning the name of the people who made it possible. It is our pleasure to express our sincere thanks to all of them.

First and foremost, we would like to take this opportunity to thank and express our deep sense of gratitude to our guide **Dr. Sarat Saharia** (Professor, Department of Computer Science, Tezpur University). We are greatly indebted to him for providing him valuable guidance at all stages of the study, his advice, constructive suggestions, positive and supportive attitude and continuous encouragement without which it would never have been possible to complete the project.

Sincerely,

**Rituparna Das(CSB17074)**

**Reshma Sultana Ahmed(CSB17040)**

### **Objective**

We are supposed to build a Student Course Registration System for the University.

We should be using the lamp stack and php for this purpose. According to our plans , we implemented the following features in the system,

1. A Student panel:

- The Student can log in to the system using the enrollment number and password provided to him by the administration during admission.
- He can register for new courses and see the data that he submitted and make proper changes to it if there are any errors.

2. An Admin Panel:

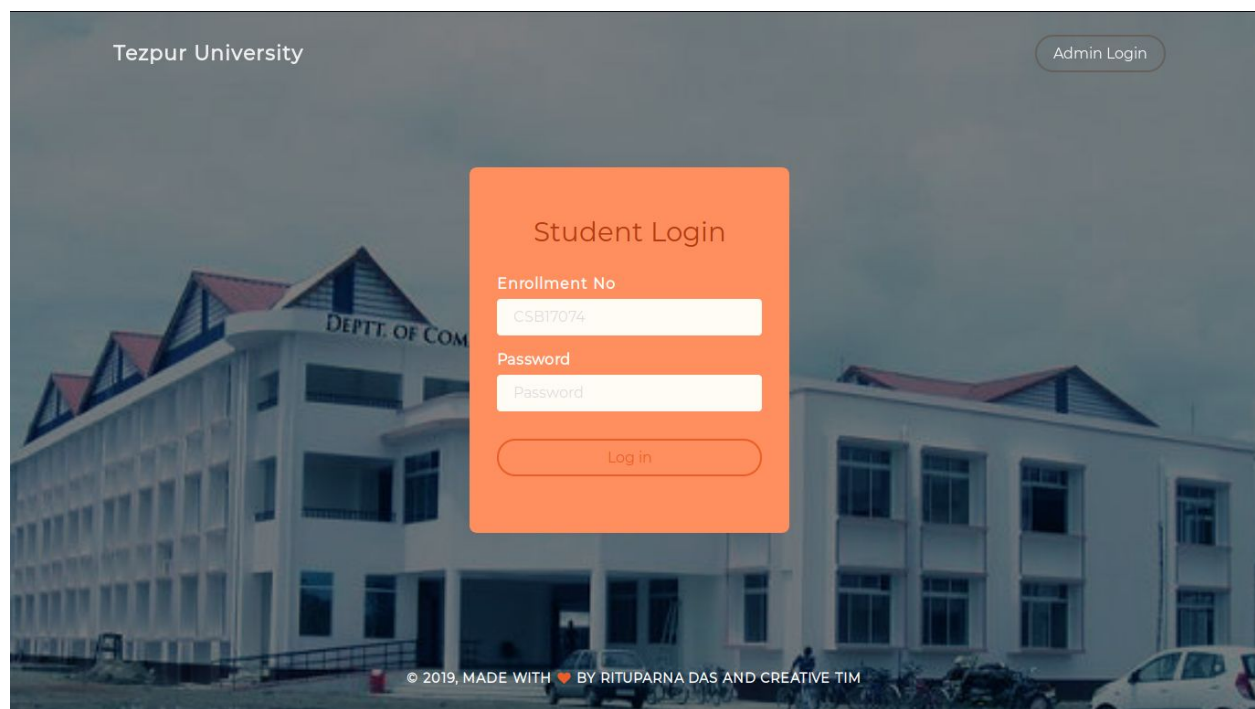
- To view the data submitted data provided by the students.
- To Make Proper Changes to the student data, edit or delete a student.
- To add students
- To add a course and department.
- Make changes to the current courses (edit or delete them).

## Results

We implemented the system using php and wrote commands to query the SQL database.

### Student Login:

Here the student logs in the system using the enrollment number and password provided to him by the university.

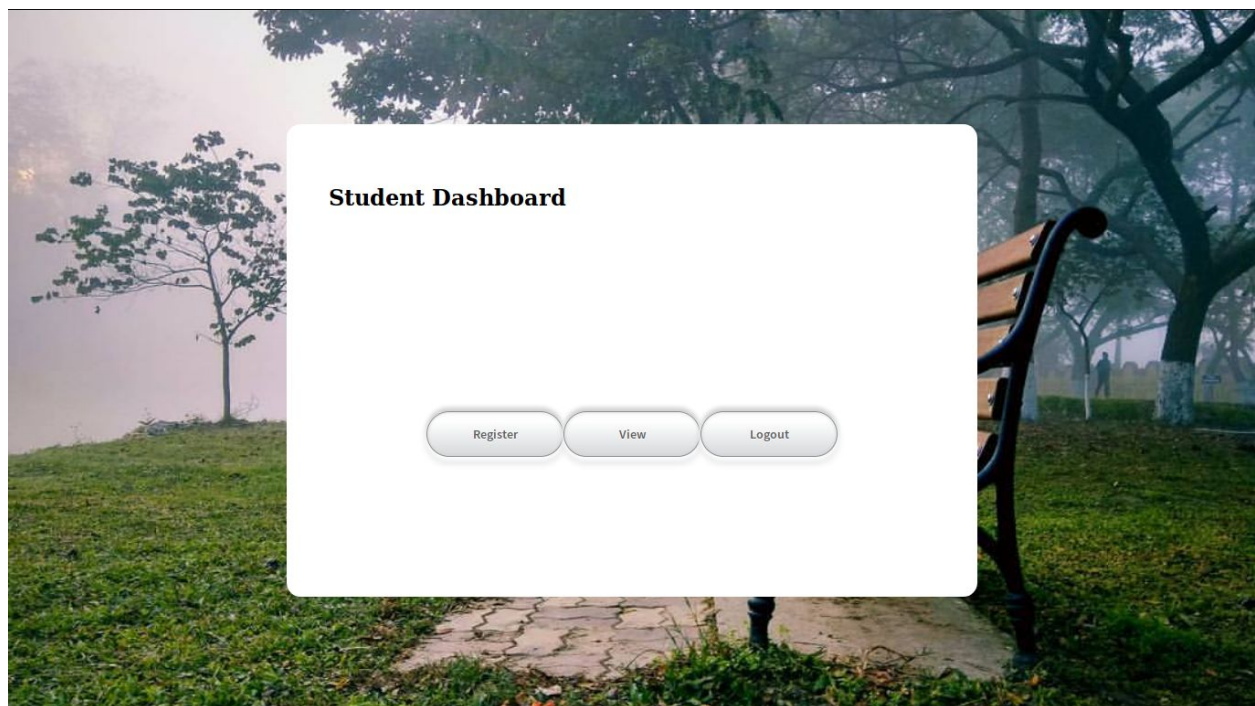


## Student Dashboard

Here the Student can view the options he has, it is his dashboard.

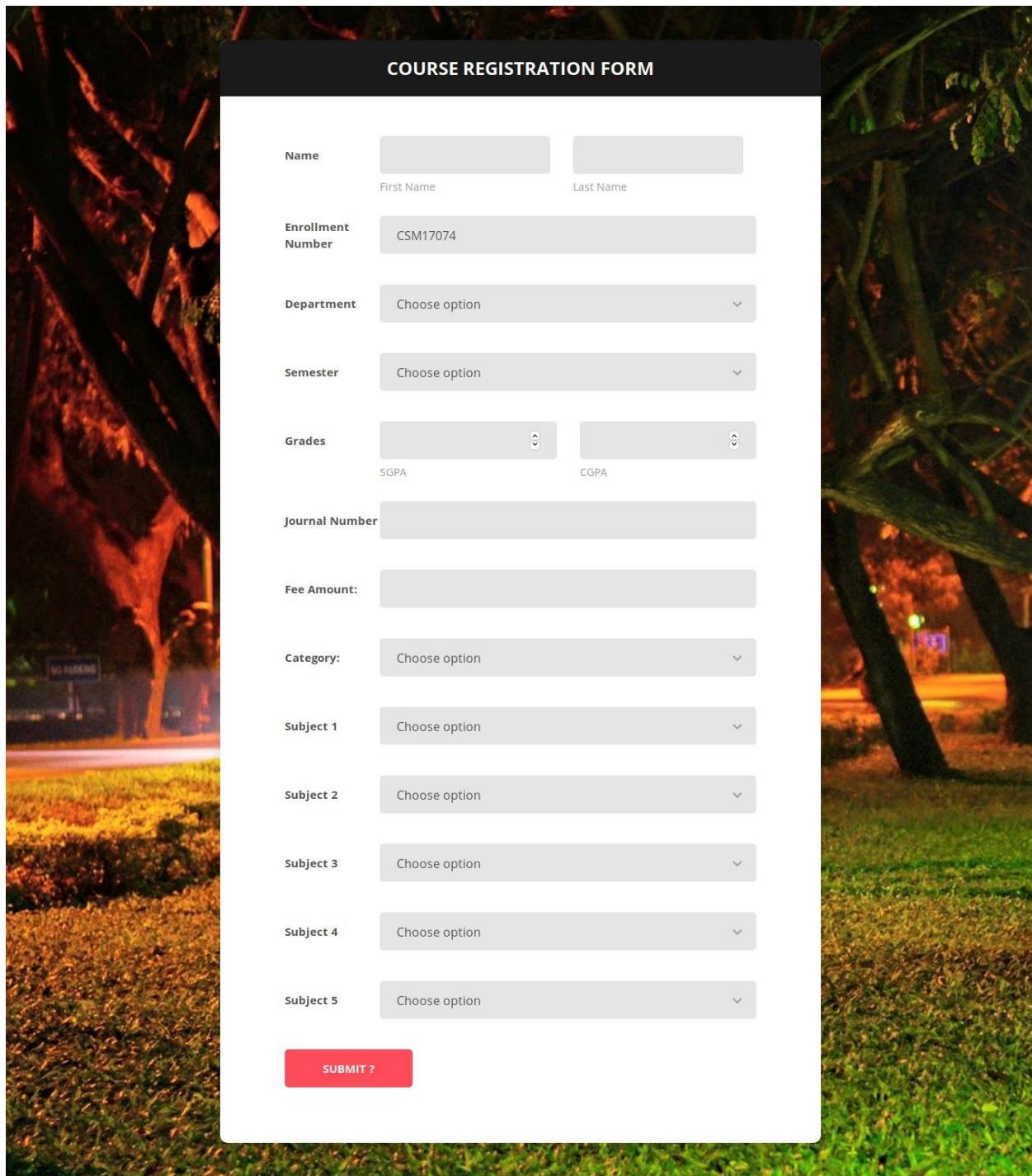
He can :

1. Register his courses.
2. View his submitted data.
3. Logout.



## Register

This is where the student register for the course and supplies valid data to the fom. The form does all types of checking to see that the user doesn't do invalid input on the fields.



**COURSE REGISTRATION FORM**

Name    
First Name Last Name

Enrollment Number

Department

Semester

Grades    
SGPA CGPA

Journal Number

Fee Amount:

Category:

Subject 1

Subject 2

Subject 3

Subject 4

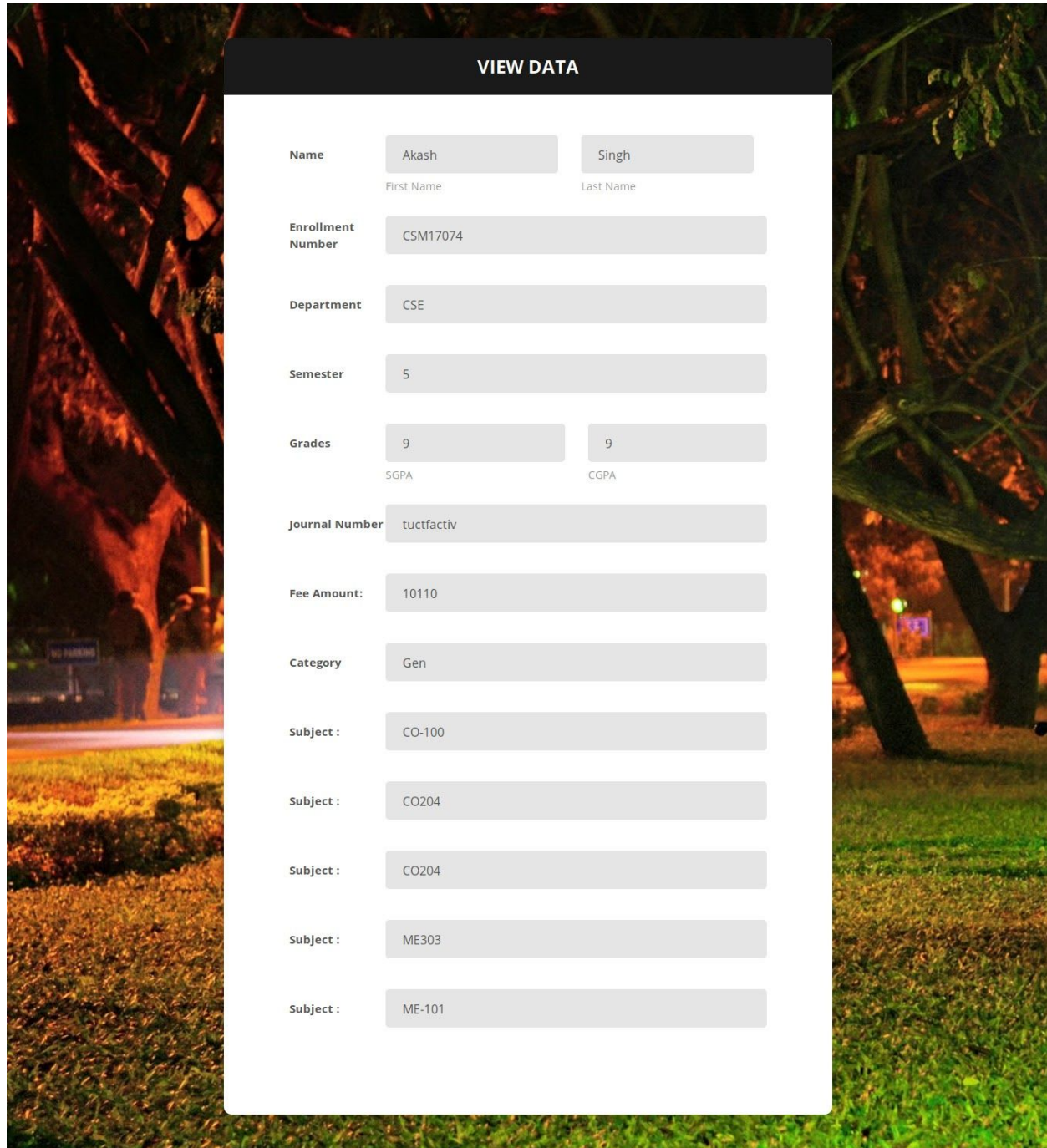
Subject 5

**SUBMIT ?**



## View Student Data

Here, the student can view the data he submitted.



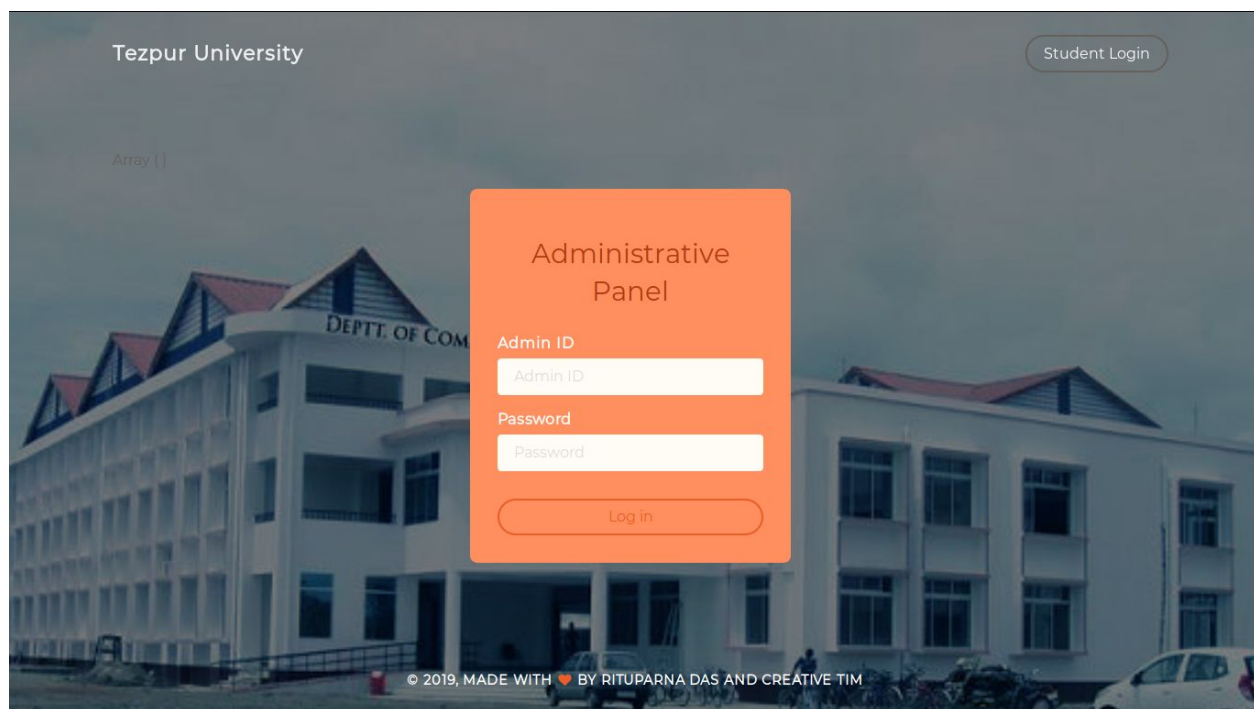
**VIEW DATA**

Name	Akash	Singh
	First Name	Last Name
Enrollment Number	CSM17074	
Department	CSE	
Semester	5	
Grades	9	9
	SGPA	CGPA
Journal Number	tuctfactiv	
Fee Amount:	10110	
Category	Gen	
Subject :	CO-100	
Subject :	CO204	
Subject :	CO204	
Subject :	ME303	
Subject :	ME-101	

### The Admin Panel:

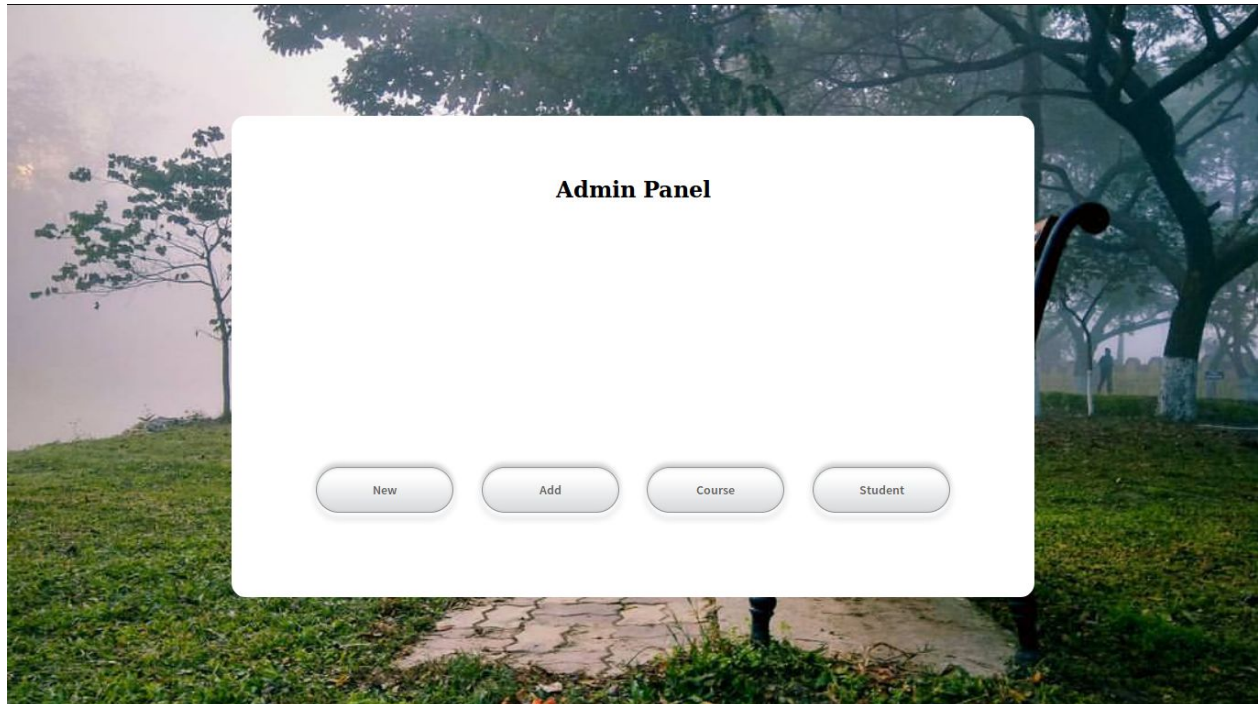
This is the panel used by the administrators of the database.

They log in using the password given to them. We consider that the admin details has already been included in the database.





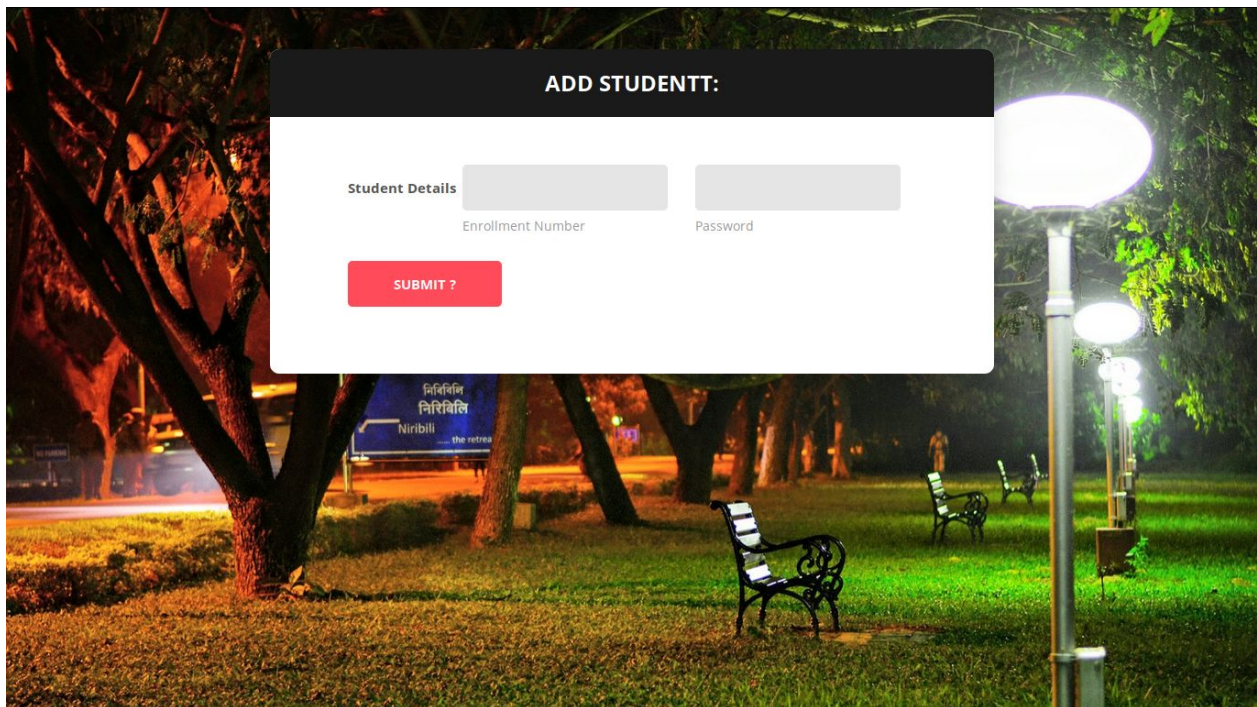
## Admin Dashboard



This gives a view of the different tasks that can be performed by the administrator such as viewing student data , viewing courses and edit or delete them according to convenience.

### Add New Student

Here the administrator can generate a new roll number for a student and a password for him. The student logs in using this data provided to him by the administration.



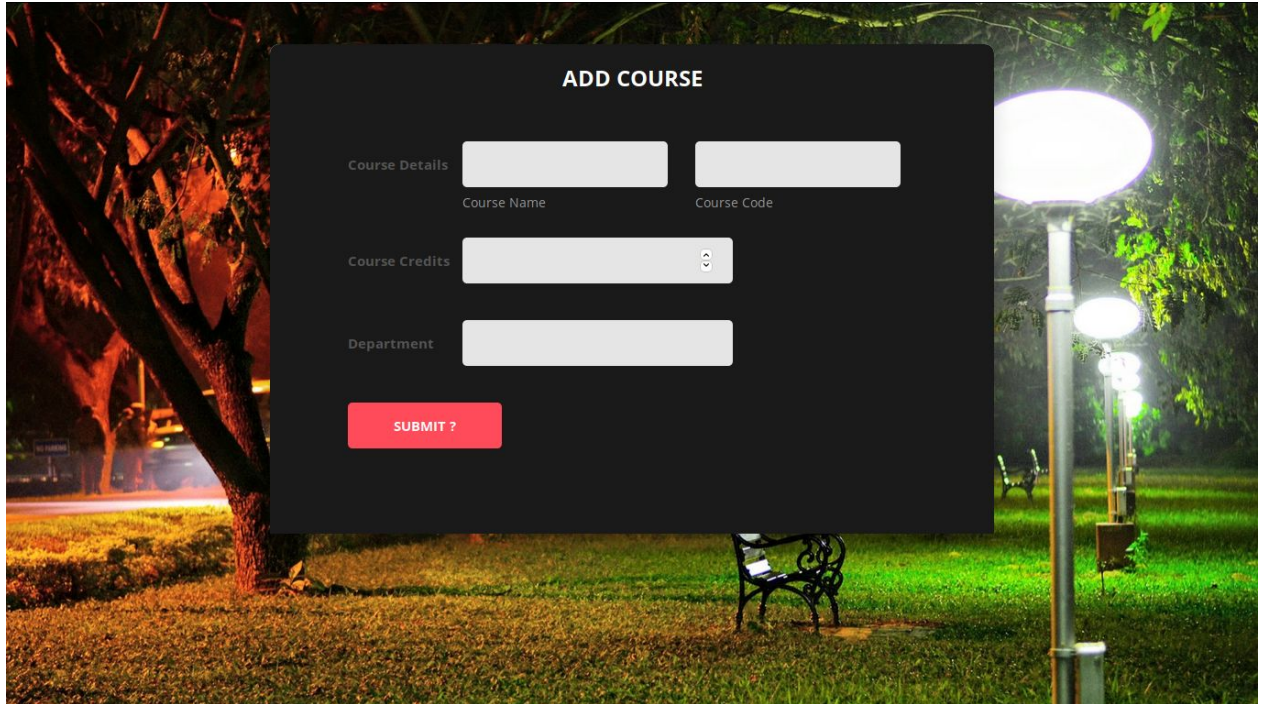
The image shows a web application interface for adding a new student, overlaid on a night-time photograph of a park. The interface is titled "ADD STUDENTT:" and contains the following elements:

- Student Details**: A label for the input fields.
- Enrollment Number**: A text input field.
- Password**: A text input field.
- SUBMIT ?**: A red button with white text.

The background image shows a park at night with trees, benches, and streetlights. A sign in the background reads "निरिबिलि निरिबिलि Niribili the retreat".

### Add New Course

Here, the admin can add new courses to the system.



The image shows a dark-themed 'ADD COURSE' form overlaid on a background image of a park at night. The form has a title 'ADD COURSE' at the top. Below the title, there are four input fields: 'Course Name' and 'Course Code' are side-by-side, 'Course Credits' is below them, and 'Department' is below that. A red 'SUBMIT ?' button is at the bottom of the form. The background image shows a park with trees, a bench, and a street lamp.

**ADD COURSE**

Course Details

Course Name

Course Code

Course Credits


Department

**SUBMIT ?**

## Course Details

Here the admin can view the current courses running , delete them if necessary or edit them.

COURSES					
#	DEPARTMENT	COURSE CODE	COUSE TITLE	COURSE CREDITS	OPTIONS
1	CSE	CO-100	Intoductory Mechanics	3	<div>Edit</div> <div>Delete</div>
2	CSE	CO204	Computing Fundamentals	8	<div>Edit</div> <div>Delete</div>
3	Mechanical	ME-101	Mechanical Science	6	<div>Edit</div> <div>Delete</div>
					<div>Edit</div>

Made with 

## Student Details

Here, the admin can view and edit student details accordingly. He can edit their details in case of error and even delete a student.

Sudent Data											
Last updated 2019-12-03											
#	Enrollment Number	First Name	Last Name	Department	Semester	Journal Number	SGPA	CGPA	Category	Fee Amount	Options
1	CBP123	Jatin	Jalal	Department	4	Journal_Number	5	7	sc	20000	<a href="#">Edit</a> <a href="#">Delete</a>
2	CSB17020	Rituparna	Das	CSE	5	abcde1234	4	4	OBC	6	<a href="#">Edit</a> <a href="#">Delete</a>
3	CSB17037	Neeraj	Chetia	CSE	5	abcde1234	8	8	Gen	20544	<a href="#">Edit</a> <a href="#">Delete</a>
4	CSM17074	Akash	Singh	CSE	5	tuctfactiv	9	9	Gen	10110	<a href="#">Edit</a> <a href="#">Delete</a>
5	ELB17023	Manish	Purbey	CSE	5	aesd123	6	6	Gen	12500	<a href="#">Edit</a> <a href="#">Delete</a>

### **Discussion**

There are further improvements to be done, such as improving the layout , adding an option to view the list of students opting for a particular course. Also, we have to make sure that there is less redundancy in the data as possible.

We have to add additional security features to avoid SQL Injection and other harmful attacks on the database.



### **References**

Bootstrap: For the purpose of the front end development , we've taken help of the front end services of bootstrap which is an open source site for theming.

<https://getbootstrap.com/>

Codepen: For the purpose of creating the HTML and inspiration, we took the help of the online ide called Codepen.

<https://codepen.io/>