Saurashtra University-Rajkot

A Project Report On

College Management System

Kamani Science & Prataprai Arts College

Educamp.edu

Developed By

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Guide By

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Submitted in partial fulfillment of the requirement

For the award of the degree of Bachelor of Computer Applications (BCA)

Year of Submission

2021

Preface

The main objective of any computer science student is to get practical Knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is Important as theoretical knowledge we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

Acknowledgement

We are student of BCA sem-6 Studying in the Kamani Science Collage, Amreli. We Thanks to the entire person who has given their support in shaping of the system.

We thank my friend Smit, Rakesh Sir Savaliya for giving us guidance and Co-operation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.

Thanks to all

Urmil Rupareliya

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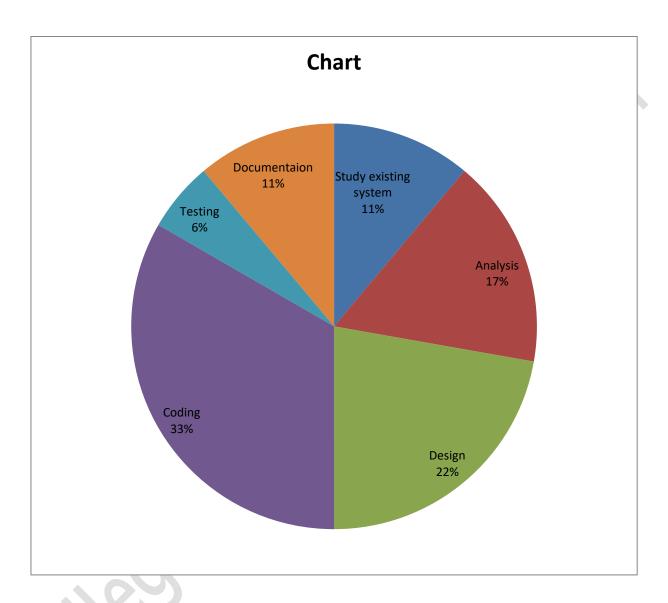
llede Manadement System

Introduction

The College Management Site Provide User to manage college activities and system.

- 1) When user registrar on this website they get password in email.
- 2) User has to sign up in the site for create account and take admission online and student can see their profile.
- 3) After sign up user can see admission and if admission is approved by admin then they can see and print their assignments and other features.
- 4) User can also pay their fines when they make mistakes in college and if they not pay fine they can't access other features.
 - 5) They can see notice on noticeboard.

Time Line Chart



Each Segment Specify a Day.

Project Profile

Project Name : EduCamp

(College Management System)

Developed By : Urmil Ruparareliya

Front End Tool : Asp.Net, C#

➤ Back End Tool : Microsoft SQL Server 2012

➤ Operating System : Microsoft Window 7 & Windows 10

Core to Duo or Higher, RAM: 256 MB

Project Details : The College Management Site

Provide User to manage college

activities and system.

Completion Time : 3 Months

➤ Guide By : Mr. Joshi Ravi

Submitted By : Saurashtra University, Rajkot

Hardware Requirement

512+ MB of RAM
 Multimedia Keyboard And Mouse
 1.0+GHz Processor
 Monitor

Software Requirement

➤ Operating System : Microsoft Windows 7 & Windows 10

> Front End Tools : ASP.net, C#

➤ Back End Tools : Microsoft SQL Server 2012

➤ Documentation Tools : Microsoft Word 2010

➤ Browser specification : Chrome

Requirement Specifications

- ➤ Microsoft SQL Server 2012 RDBMS used to maintain the all concerned data.
- > Uses special views to display data.
- > Display all types of data using classified reports with combinations of multiple tables.
- > Special searching for SMTP protocol for email sending.

Problem Definition

- Maintain Student Profile
- > Maintain Faculty Profile
- Maintain Admissions
- Maintain Courses
- Maintain Assignments
- Maintain Fines
- Maintain Notice

Project Planning & Scheduling

The "College Management System" is a system about College. In this system, Student have their profile and in that profile they can manage admissions, assignments, fines, etc. Faculties also can create their accounts and manager students.

Before selecting this subject, I have thought that why we are not working on real world projects and at that time I think this corona situation, let me make project that help to peoples who want to manage college during quarantine, and I make this system.

System Analysis

System analysis is the process of identification of objectives and requirements, evaluation of alternative solutions and recommendation for a more feasible solution. In other words, system analysis is the step by step process of gathering, recording and interpreting facts. The main aim of analysis is to determine problem areas and to take solutions to reduce or eliminate them.

- System analysis itself breaks into two stages:
 - 1. Preliminary analysis
 - 2. Detailed analysis

During analysis, data are collected from the available files, decision points and transactions of the systems using various tools like Data Flow Diagram (DFD).

Feasibility Study

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements. Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study, I need to concentrate on following area:

They are of three types:

- 1. Technical
- 2. Operational
- 3. Economical

> Technical

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced webediting tools are available.

➤ Operational

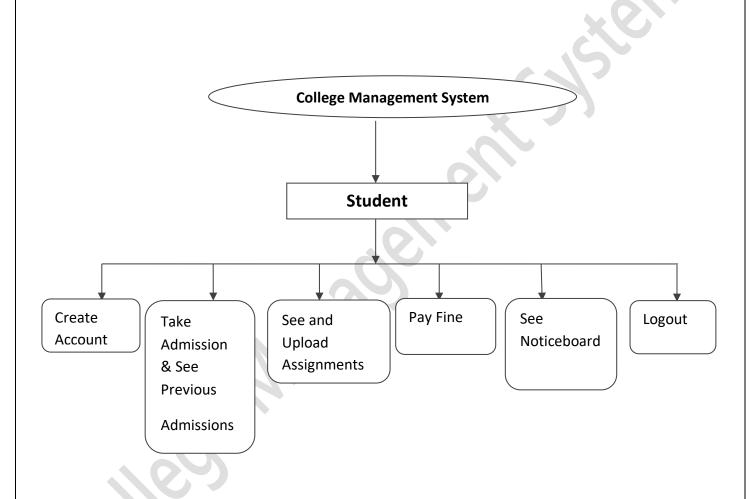
Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts must have a website of its own sooner or later, that wasn't much of a problem

Economical

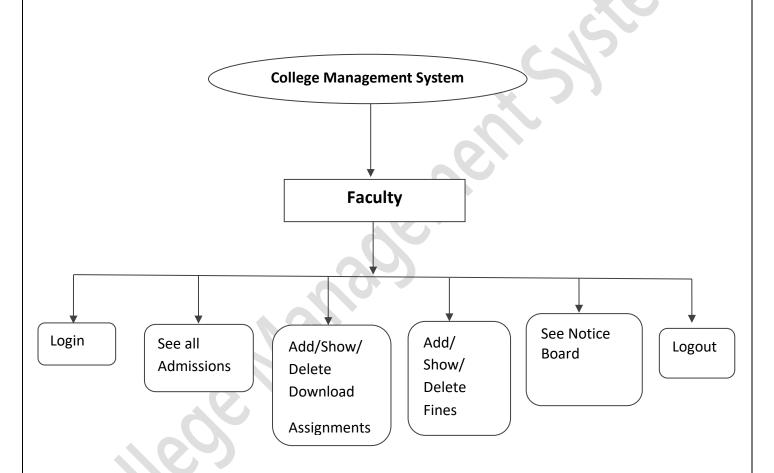
Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many time as per their requirement. So, the future economical expenses are null. So we can say that this website is totally economically feasible.

Project Page Structure

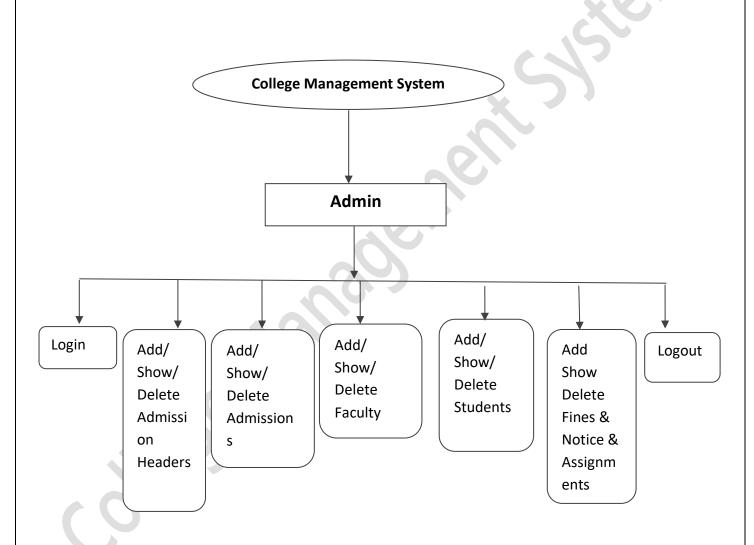
> Student Side



≻ Faculty Side



> Admin Side



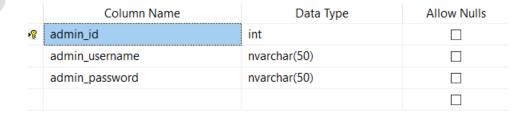
Data Dictionary

The data Dictionary is a set of table. Microsoft SQL server 2012 uses it to maintain information about this own database.

- > Data dictionary contains the following information:
 - Name of the table of database.
 - User information such as privileges.
 - Name and data-type of all columns in database table.

Database Name: covid19.sql

1) Admin:



2) Admission Headers:

	Column Name	Data Type	Allow Nulls
₽¥	ah_id	int	
	ah_course	nvarchar(50)	
	ah sem	int	П
	ah_fees	int	
	ah_startdate	date	
	ah_enddate	date	
	ah_start_termdate	date	
	ah_end_termdate	date	\checkmark

3) Admissions:

	Column Name	Data Type	Allow Nulls
₽ ₽	ad_id	int	
	ad_ah	int	
	ad_course	int	
	ad_sem	int	
	ad_student	int	
	ad_rollno	int	
	ad_fees	int	
	ad_payment	nvarchar(50)	
	ad_date	date	
	ad_status	nvarchar(50)	

4) Courses:

	Column Name	Data Type	Allow Nulls
▶ 8	c_id	int	
	c_name	nvarchar(50)	
	c_maxsem	int	
	c_fees	int	
	c_status	int	

5) Faculty:

	Column Name	Data Type	Allow Nulls
▶ ॄ	f_id	int	
	f_name	nvarchar(50)	
	f_dob	nvarchar(50)	
	f_gender	nvarchar(50)	
	f_mobile	nvarchar(50)	
	f_email	nvarchar(50)	
	f_address	nvarchar(150)	
	f_city	nvarchar(50)	
	f_pincode	nvarchar(50)	
	f_image	nvarchar(50)	
	f_password	nvarchar(50)	

6) Students:

	Column Name	Data Type	Allow Nulls
₽Ÿ	s_id	int	
	s_name	nvarchar(50)	
	s_fathername	nvarchar(50)	
	s_dob	date	
	s_gender	nvarchar(50)	
	s_mobile	bigint	
	s_email	nvarchar(50)	
	s_address	nvarchar(250)	
	s_city	nvarchar(50)	
	s_pincode	int	
	s_image	nvarchar(50)	
	s_course	int	
	s_gr	nvarchar(50)	
	s_password	nvarchar(50)	

7) Assignments:

	Column Name	Data Type	Allow Nulls
₽₽	a_id	int	
	a_title	nvarchar(550)	
	a_file	nchar(150)	
	a_sdate	date	
	a_edate	date	
	a_ah_id	nvarchar(50)	

8) Submissions:

	Column Name	Data Type	Allow Nulls
▶ 8	sub_id	int	
	sub_file	nvarchar(50)	\checkmark
	sub_a_id	int	
	sub_user_id	int	

9) Fine:

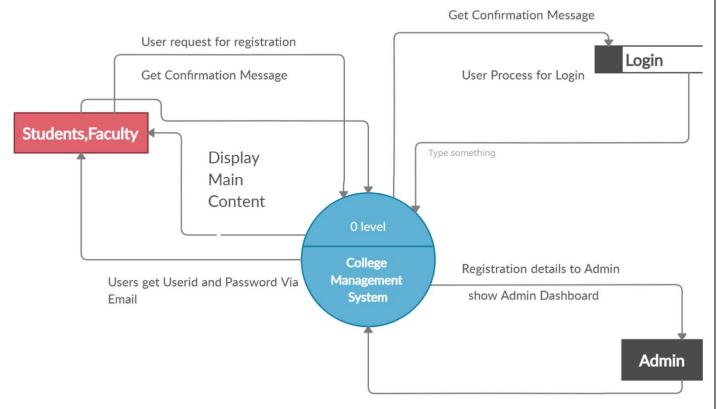
	Column Name	Data Type	Allow Nulls
₽Ŗ	f_id	int	
	f_student	nvarchar(50)	
	f_title	nvarchar(50)	
	f_amount	int	
	f_status	nvarchar(50)	

10) Notice:

	Column Name	Data Type	Allow Nulls
₽Ŗ	n_id	int	
	n_title	nvarchar(50)	
	n_desc	nvarchar(1200)	
	n_date	date	

Context level Diagram (0 Level DFD)

0 Level DFD for College Management System(0 Level DFD)

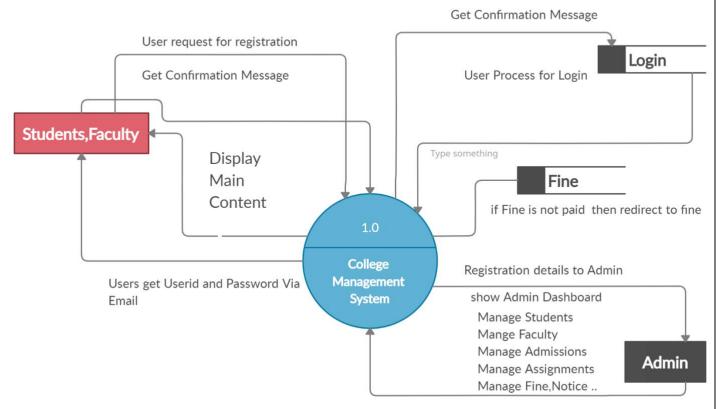


Admin Confirm Registration

00

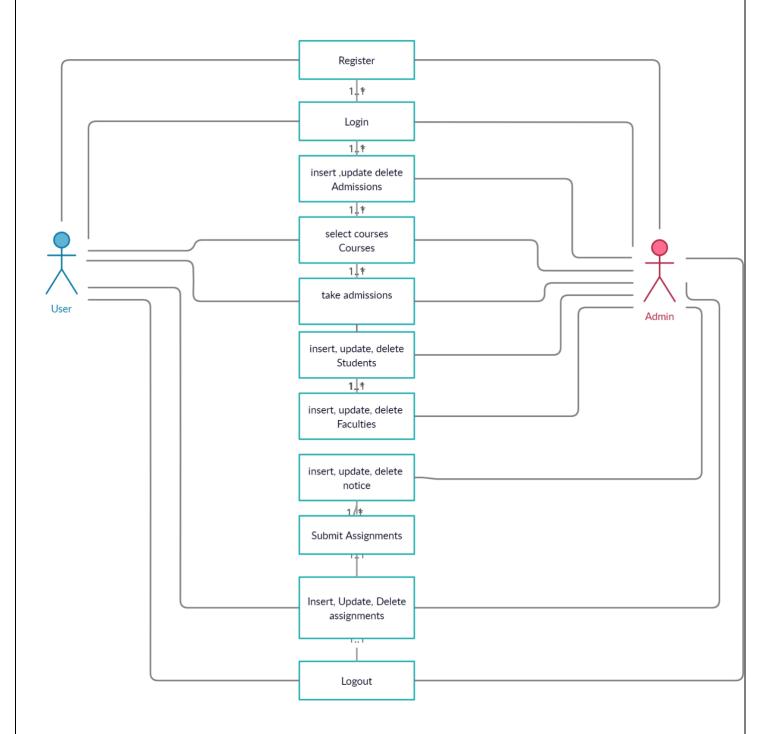
1st Level Diagram

1st Level DFD for College Management System(1 Level DFD)



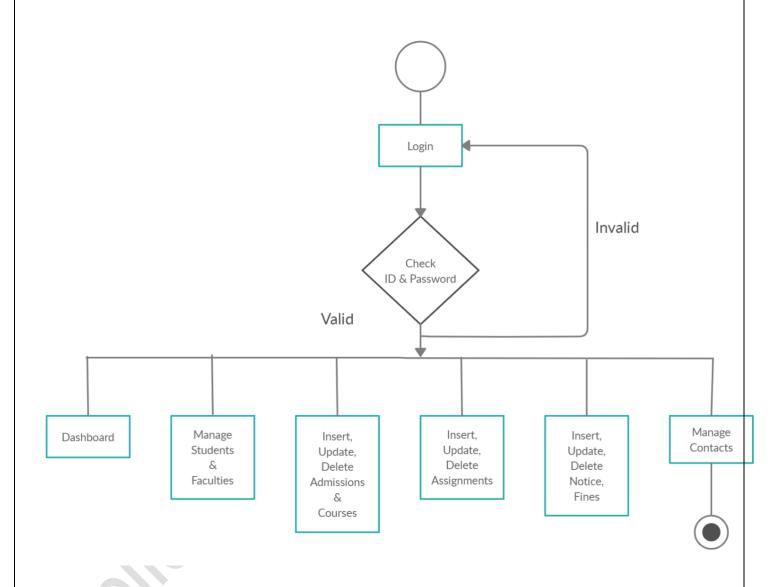
Admin Confirm Registration

Use case Diagram

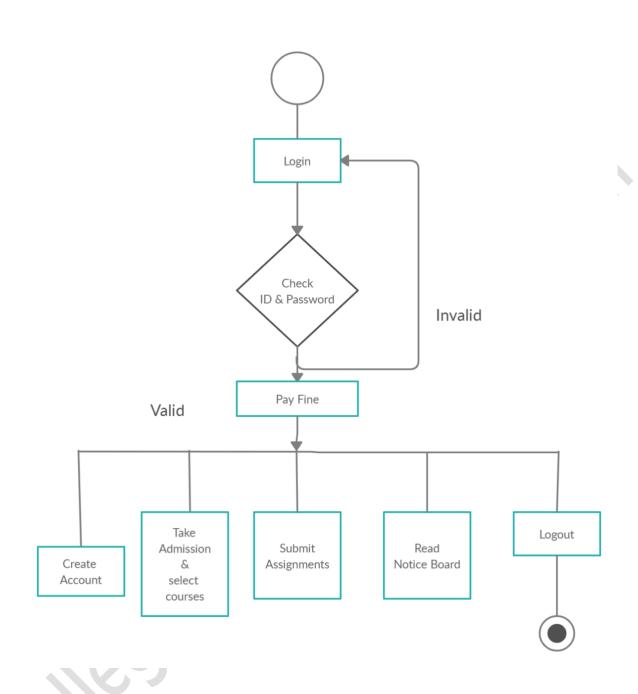


Activity Diagram

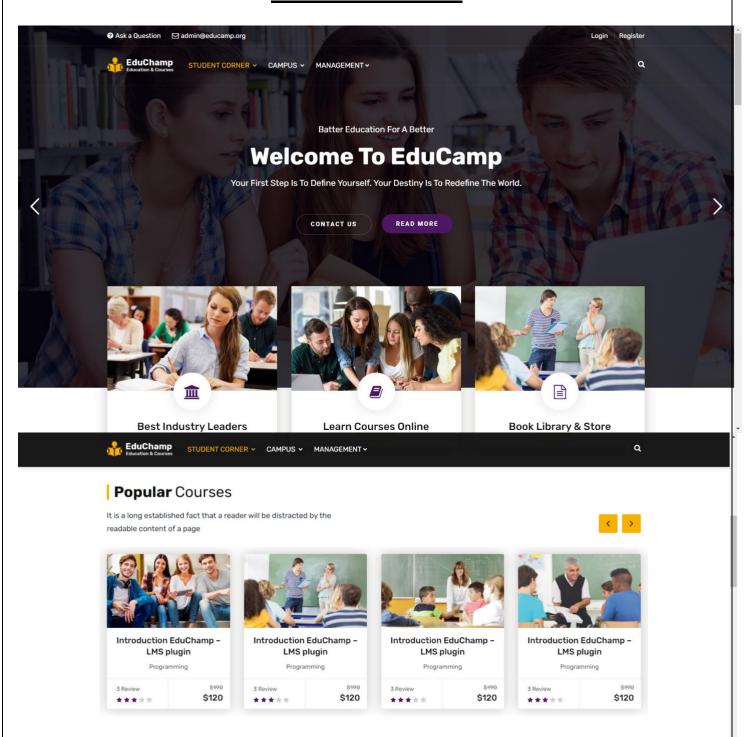
> Admin Side:



Client Side:



Screenshots:







Upcoming Events

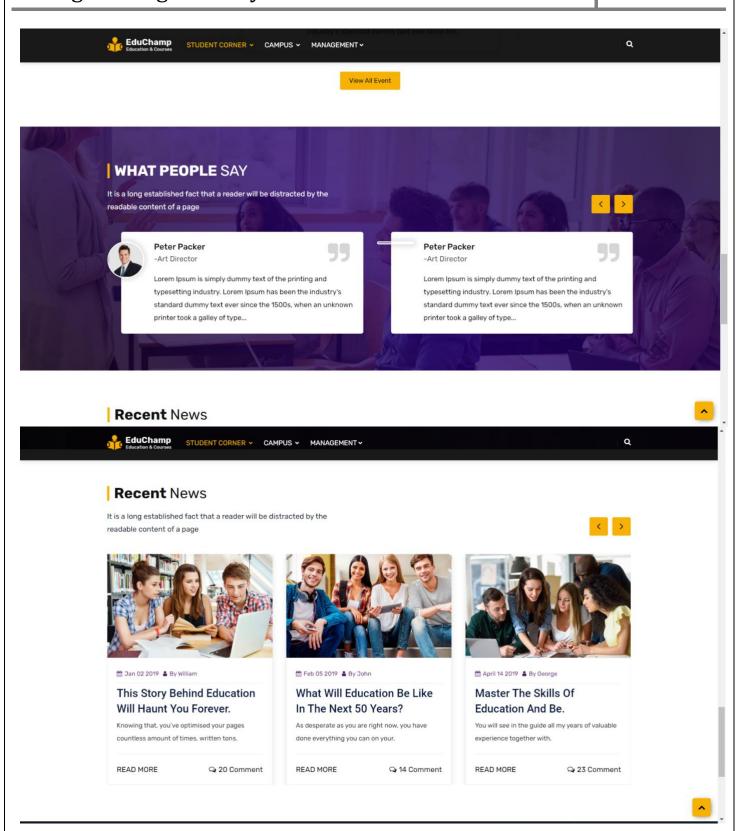
Upcoming Education Events To Feed Brain.



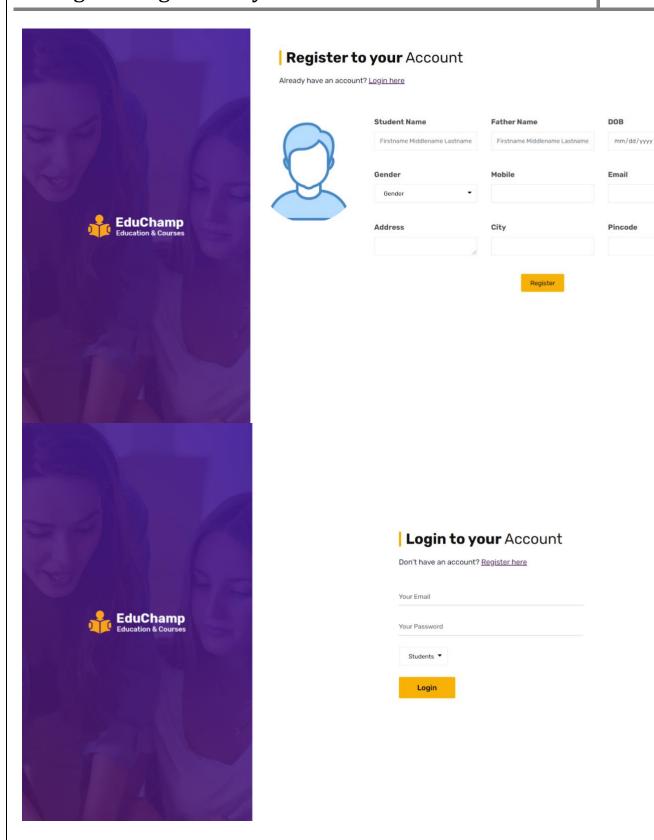
Upcoming Events

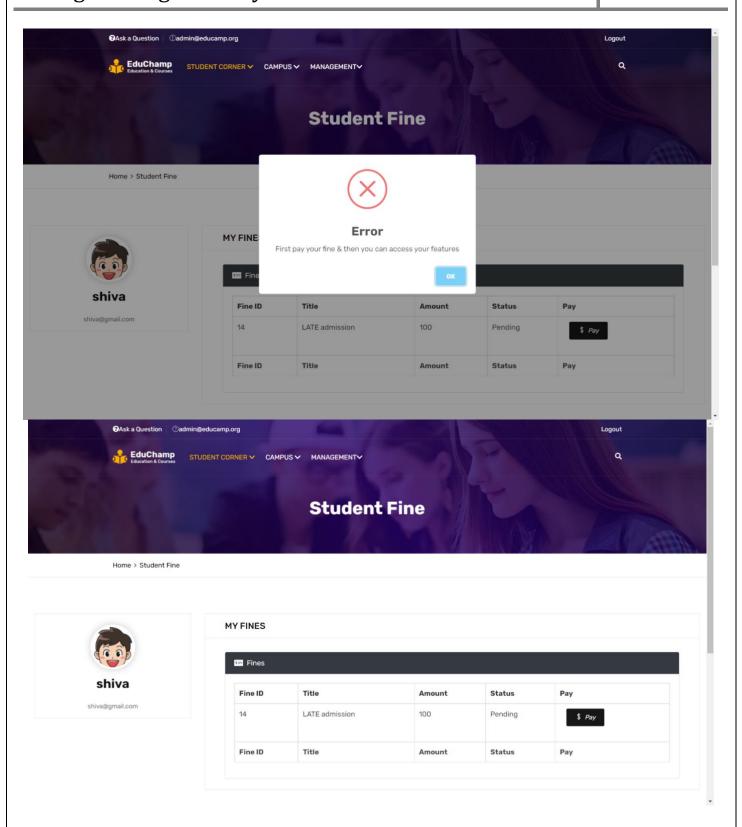
Upcoming Education Events To Feed Brain.

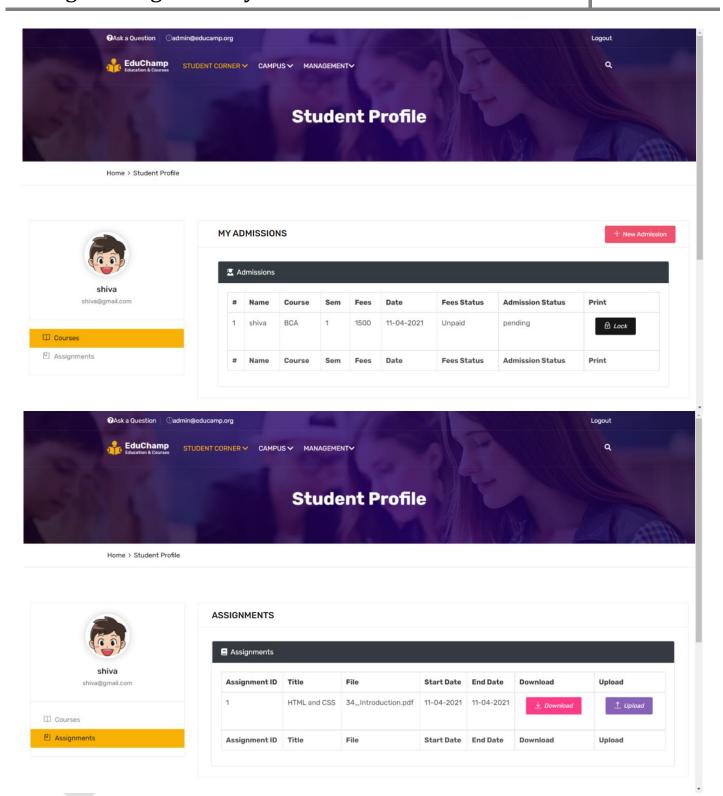


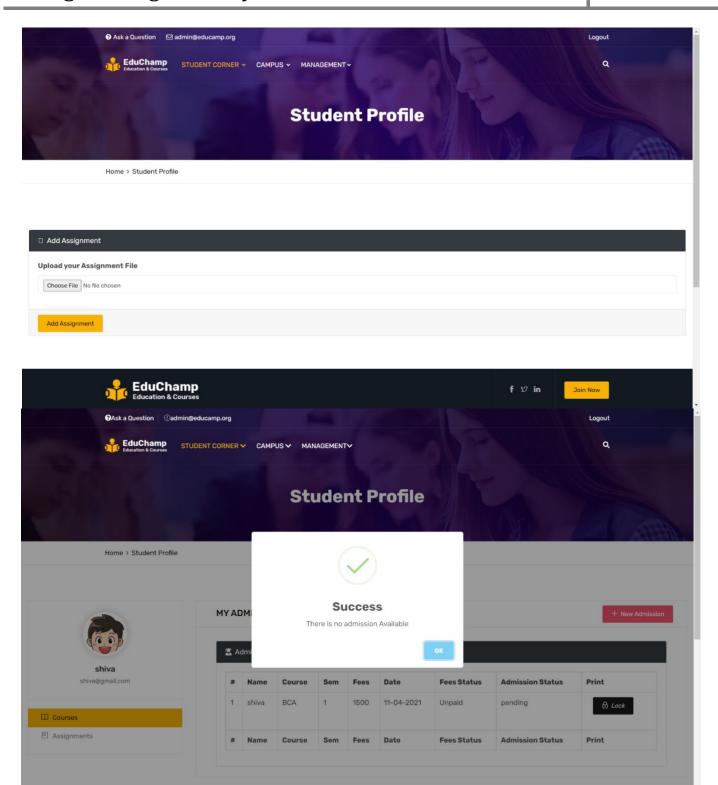


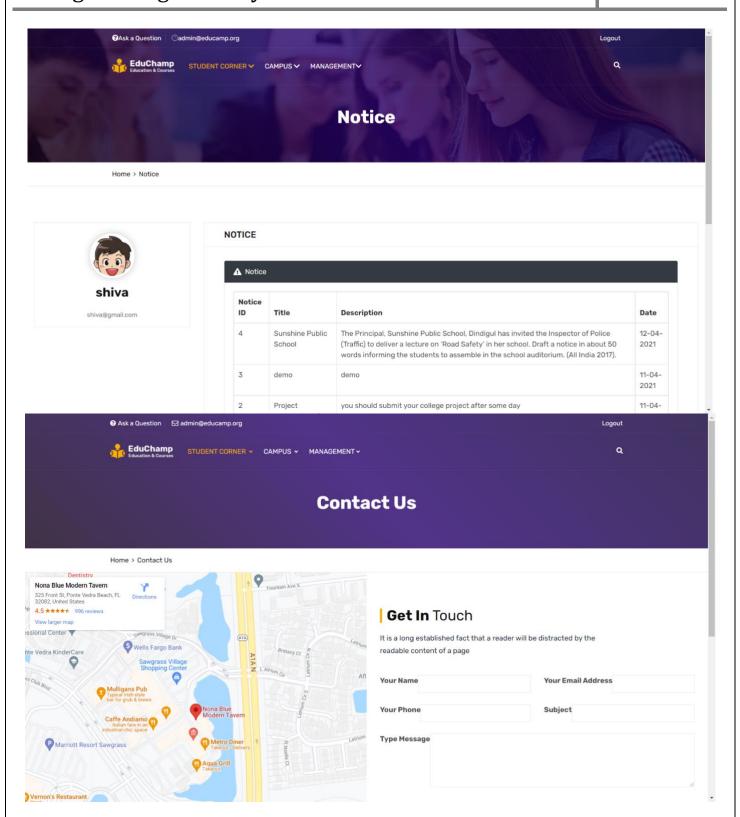
College Management System

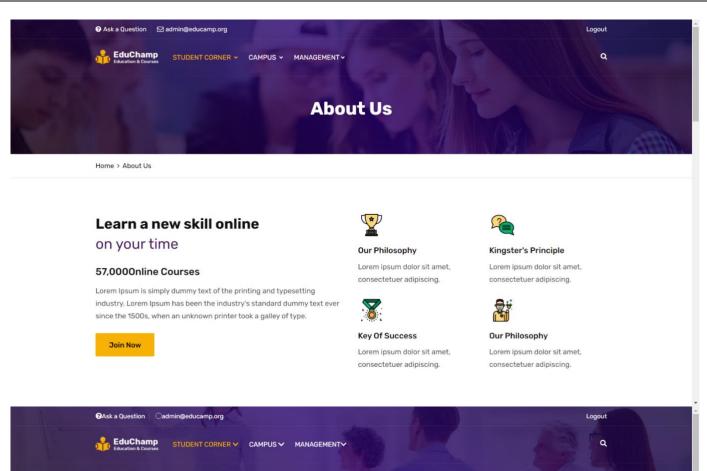




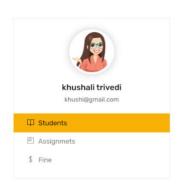


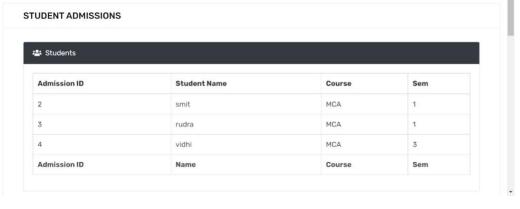


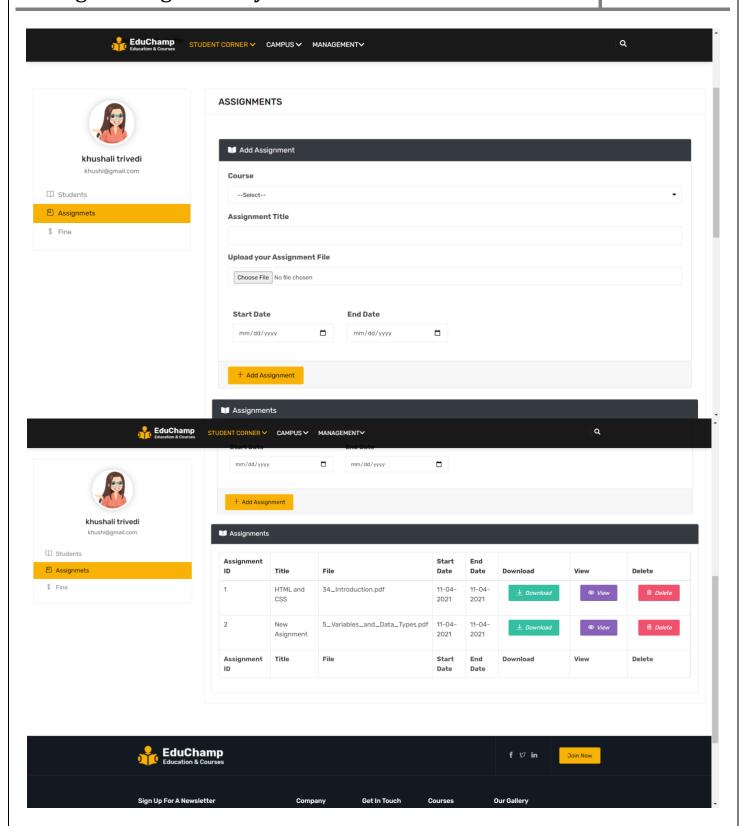


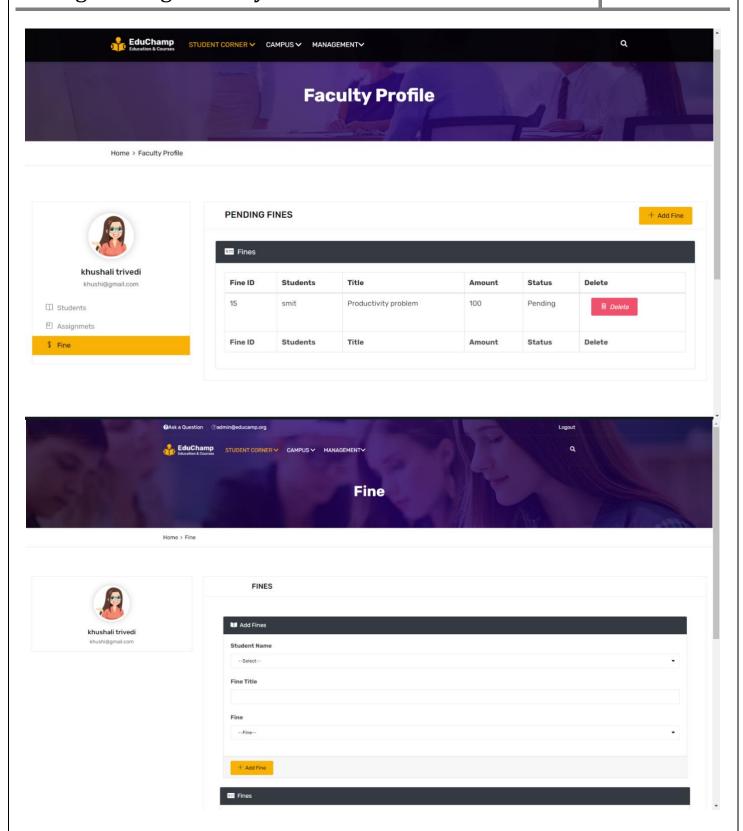


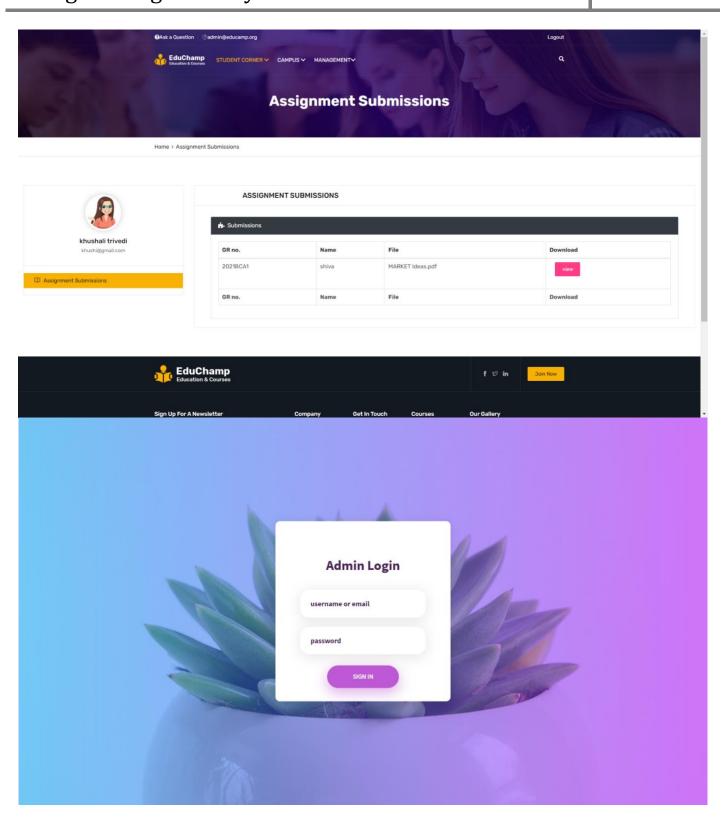


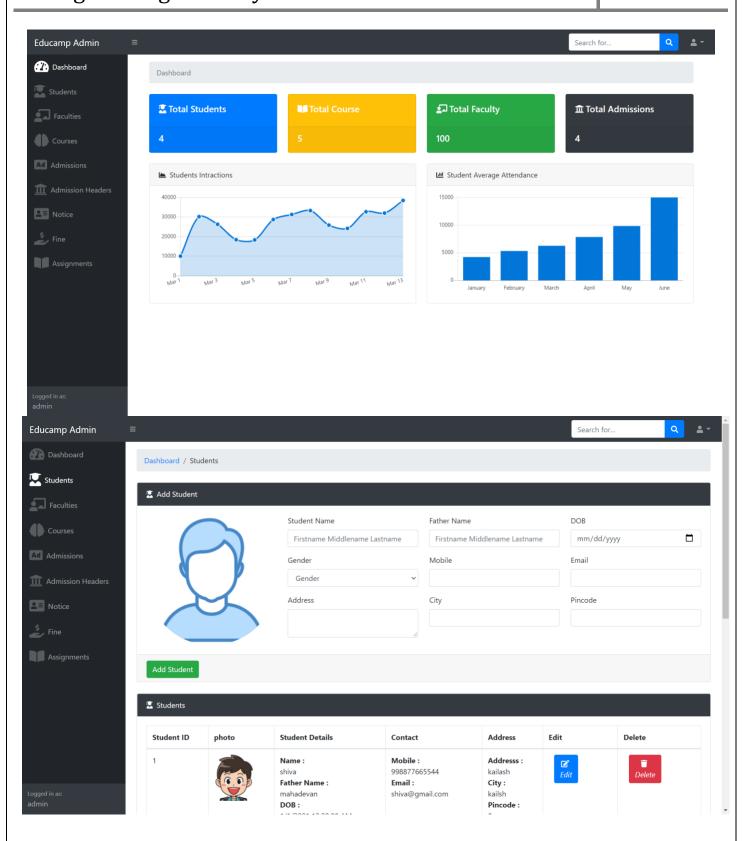


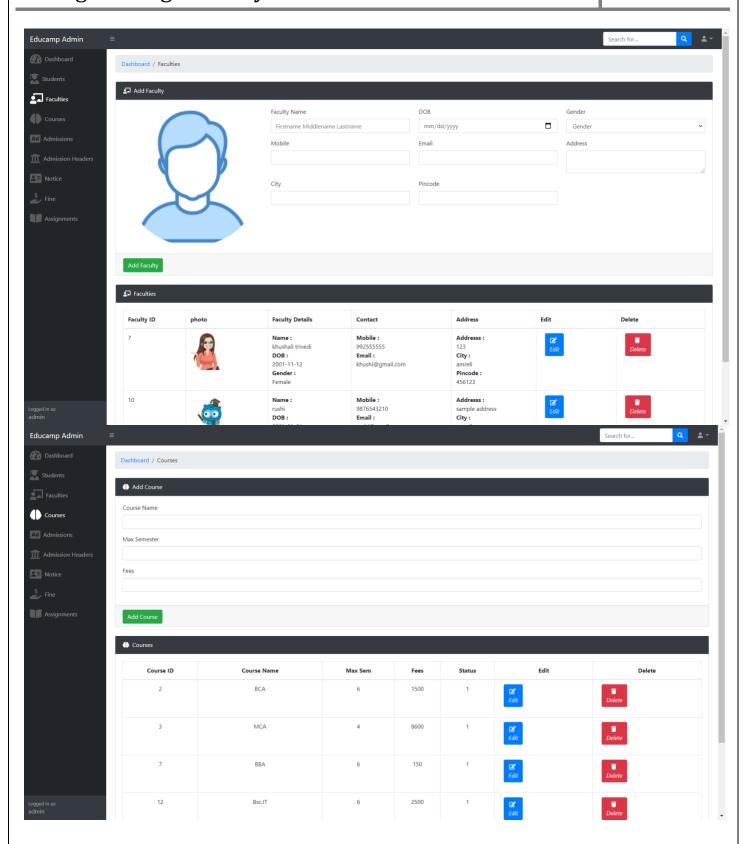


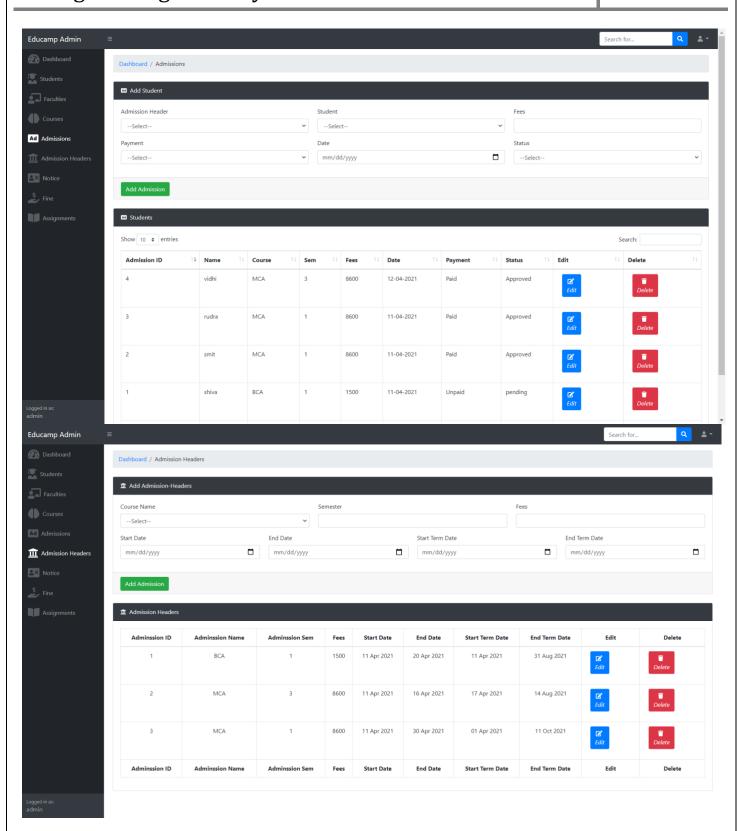


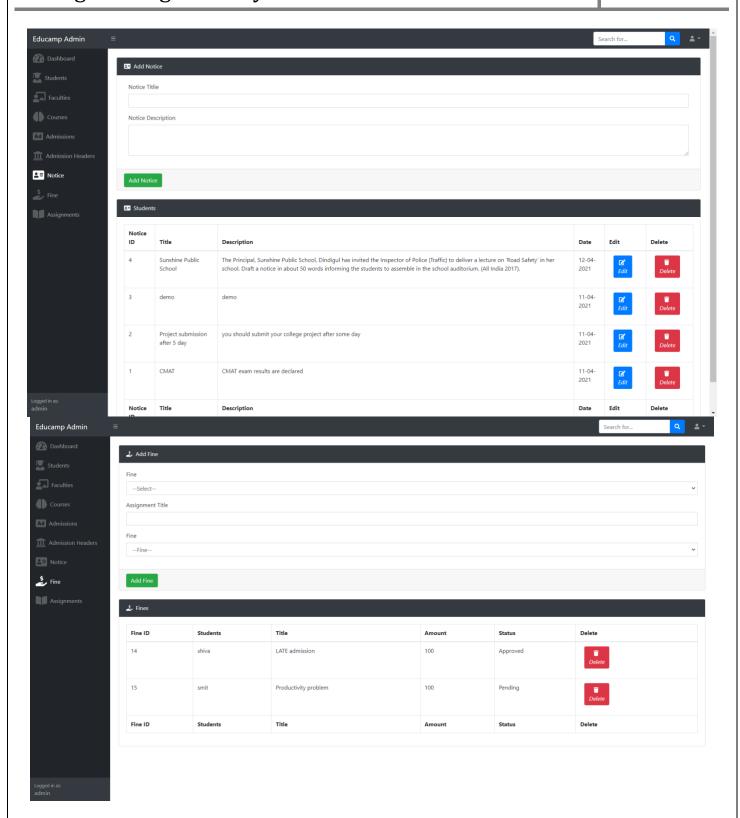






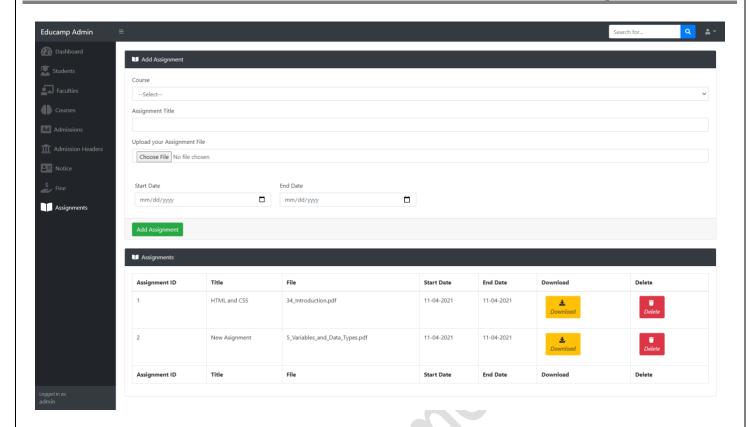






2021

College Management System



Future Scope

The future scope of this website can add more functionality like more security and privacy and adding net banking option for pay.

Bibliography

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- 4. www.github.com