

Mini Project Report

On

“EduSync Pro”

Submitted to

**Ajay Kumar Garg Engineering College,
Ghaziabad**



(B.Tech. Information Technology Sem 7th , 2023-24)

(KIT-752 Mini Project Assessment Report)

Submitted To :-

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ACKNOWLEDGMENT

We would like to convey my heartfelt gratitude to Mrs. Aarti Chaudhary for her tremendous support and assistance in the completion of my project. We would also like to thank our HOD sir Mr. Rahul Sharma, for providing us with this wonderful opportunity to work on a project with the topic "**EduSync Pro**". The completion of the project would not have been possible without their help and insights.

We would like to express our special thanks of gratitude to our friends who helped us in doing a lot of research and we came to know about so many new things, we are really thankful to them.

Secondly, we would also like to thank our parents and college who helped us a lot in finalizing this project within the limited time frame.

We have taken efforts in this project. However, it would not be possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

- Aradhya Priyadarshi
2000270110021

ABSTRACT

This report specifies the various processes and techniques used in gathering requirements, designing, implementing and testing for the project on college management system. The problems regarding the current system in the college was analyzed and noted. This project aims to solve some of those problems and thus, add more value to the current system. The requirements were gathered from all the stakeholders and based on that we created a requirement models and designed the software based on the based. The project was implemented in the form of a website using Python (Django Framework), HTML, CSS & Bootstrap.

Using the various resources and tools we gathered along the way, we implemented the college ERP system using some features that solve the current problems in the system such as a provision to edit the attendance and marks before locking it at the end. The software was also tested using the various testing methods and results were positive.

Thus, the results can be integrated in the current ERP system to improve it's working and solve some of the existing problems.

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CERTIFICATE

This is to certify that ARADHYA PRIYADARSHI (2000270110021) student of Bachelor of Technology , 7th Semester, Department of Information Technology of AJAY KUMAR GARG ENGINEERINGCOLLEGE , has pursued the Mini Project titled “EduSync Pro” under the supervision of MR. RAHUL SHARMA, Head of Department and Internal Guide MRS. AARTI CHAUDHARY and the report has been submitted in partial fulfillment of requirements for the award of Degree, Bachelor of Technology in Information Technology by AJAY KUMAR GARG ENGINEERING COLLEGE.

Internal Examiner
Signature

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OBJECTIVE

The objective of EduSync Pro – CollegeERP System is to allow the administrator of any organization the ability to edit and out the personal details of astudent and allows the student to keep up to date his profile. It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So all the information about a student will be available in a few seconds. Overall, it'll make Student Information an easier job for the administrator and the student of any organization.

The main purpose of this project is to illustrate the requirements of the project EduSync Pro – CollegeERP System and is intended to help any organization to maintain and manage personal data. It is a comprehensive project developed fromthe ground up to fulfill the needs of colleges as they guide their students. This integrated information management system connects daily operations in the college environment ranging from Attendance management to communicational means among students and teachers. This reduces data error and ensures that information is always up-to-date throughout the college. It provides a single source of data repository for streamlining your processes and for all reporting purposes. It has a simple user interface and is intuitive. This insures that the users spend less time in learning the system and hence, increase their productivity. Efficient security features provide data privacy and hence, increase their productivity.

INTRODUCTION

The objective of EduSync Pro – CollegeERP System is to allow the administrator of any organization the ability to edit and out the personal details of astudent and allows the student to keep up to date his profile. It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So all the information about a student will be available in a few seconds. Overall, it'll make Student Information an easier job for the administrator and the student of any organization.

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INTRODUCTION TO THE PROBLEM DOMAIN

As we know that, a college consists of different departments, such as course departments, fees management, library, event management etc. Nowadays applications and uses of information technologies is increased as compared to before, each of these individual departments has its own computer system to do their own functionalities. By having one main system they can interact with eachother from their respected system by having valid user id and password.

WHY DO WE NEED AN ERP ?

Nowadays, in schools and colleges, it is very difficult to manage each and everything mchauchaually. Super-vising and maintaining the whole database of a school or college can be time-consuming and challenging especially if it's done on a regular basis. So, we need to handle and manage everything smartly.

To solve this problem ERP(Enterprise Resource Planning) is used. ERP software makes it easy to track the progress of every department of school and automate different functions. With ERP every- thing can be seen on a single dashboard. The administrator can manage the college from anywhere. The possibilities of maintaining the whole database of a college with ERP software are endless.

Some of the prominent roles of ERP are:

1. Manages the office and automates different functions.
2. Helps in long-term management and planning of all departments of college.
3. Eliminates the need for having multiple management software for each department.
4. Daily activities like attendance can be digitalized and automated.
5. Leave module for teachers can be automated.

IDENTIFICATION OF STAKEHOLDERS

Enterprise Resource planning implementation is a difficult and complex decision where it involves people issues more than technological issues. Identification of stakeholders is a key step during the process of ERP implementation, because if done improperly, it will lead to failure of the implementation project. The stakeholders are listed below:

Teachers

Teachers are the key stakeholders of the college ERP. Because they are the one who manage, edit, update the contents of the database of students such as attendance, internal marks, CGPA etc... It also helps them to assign their class to other teachers when they are on leave. This makes it easier to identify who among them are free to take the class at that time. So this software help them reduce their overhead and make their tasks easier and simple.

Students

Students are end users of ERP software. The attendance, internals marks uploaded by the teachers are viewed by students. It helps them track their attendance status. It also helps them to communicate with teachers and their classmates. So students make up another set of stakeholders of this software.

Administrator

College administrator is responsible for maintaining the database of the college. They will have the privilege to modify the database i.e., to add/remove students/teachers/staff, update information regarding each of these. It is their responsibility to maintain the database of students who pass out from the college and who freshly get admission to the college. So the Administrator play a major role in the ERP.

PROBLEM AREAS

The problem with the ERP software is if the faculty applies for leave and wants to allocate the class to any other faculty, then the request goes to all the faculties of all the departments. This should not happen because other department faculty cannot handle the class for any other department i.e. if the faculty of Computer Science department applies for the leave and if the request is sent, it must be sent to the faculties of the Computer Science department only and not for any other department like Civil , Mechanical, EN, and so on.

When the faculty is inserting the attendance into the system, there must be a separate space for the faculty to fill what topics they have covered in the class. It will be time consuming for the faculty to enter the topic every time. So, for this purpose the software must be designed in such a way that it inserts the topic automatically. Firstly, all the topics and the duration for the faculty in which the faculty must cover must be mentioned. And then the faculty must investigate it and cover the syllabus according to the plan. This can also keep a track of the lecturer what they are teaching. If the doubts are raised by the students, then that would lead to shortage of time to cover the syllabus. So, for this purpose the faculty can have the freedom to extend the duration to cover those topics by handling extra classes when the students are free. For taking the extra class, the faculty must block in the time table and it must be visible to all the faculties of that class so that there would be no collision in handling the extra class. Once if the faculty enters the attendance and if they press lock option, then there won't be any option to change the attendance of the students. Lastly, the teachers would like it if they could enter the attendance in the class itself. This would minimize the paper work and they could update the details at any place and at any time.

PROJECT SCOPE

The project is designed to help the teachers and students manage their college activities. It consists of relational databases of students, departments, faculty, courses of the entire university. Using these databases, various functions that include Attendance management, marks management and leave management are provided. Within attendance management, a teacher can enter the attendance status of each student for each course with their respective dates. Similar to attendance, Internal and Semester end marks can also be entered for each student.

PURPOSE OF THE PROJECT

The main purpose of this project is to illustrate the requirements of the project EduSync Pro – AKGEC CollegeERP and is intended to help any organizationto maintain and manage personal data. It is a comprehensive project developed fromthe ground up to full the needs of colleges as they guide their students. This integrated information management system connects daily operations in the college environment ranging from Attendance management to communicational means among students and teachers. This reduces data error and ensures that information is always up-to-date throughout the college. It provides a single source of data repository for streamlining your processes and for all reporting purposes. It has a simple user interface and is intuitive.

DATA FLOW – DIAGRAMS

Class Diagram of CollegeERP

The class diagram states the different classes involved in the software. For each class, a set of attributes and method are included. The relationship between the classes are also specified. For example, the teacher class has the attributes Id, name, phone no, address and methods such as marking attendance, declaring marks and preparing report cards. Each instance of the teacher class belongs to a department. This is specified by the relationship between Teacher and Department classes.

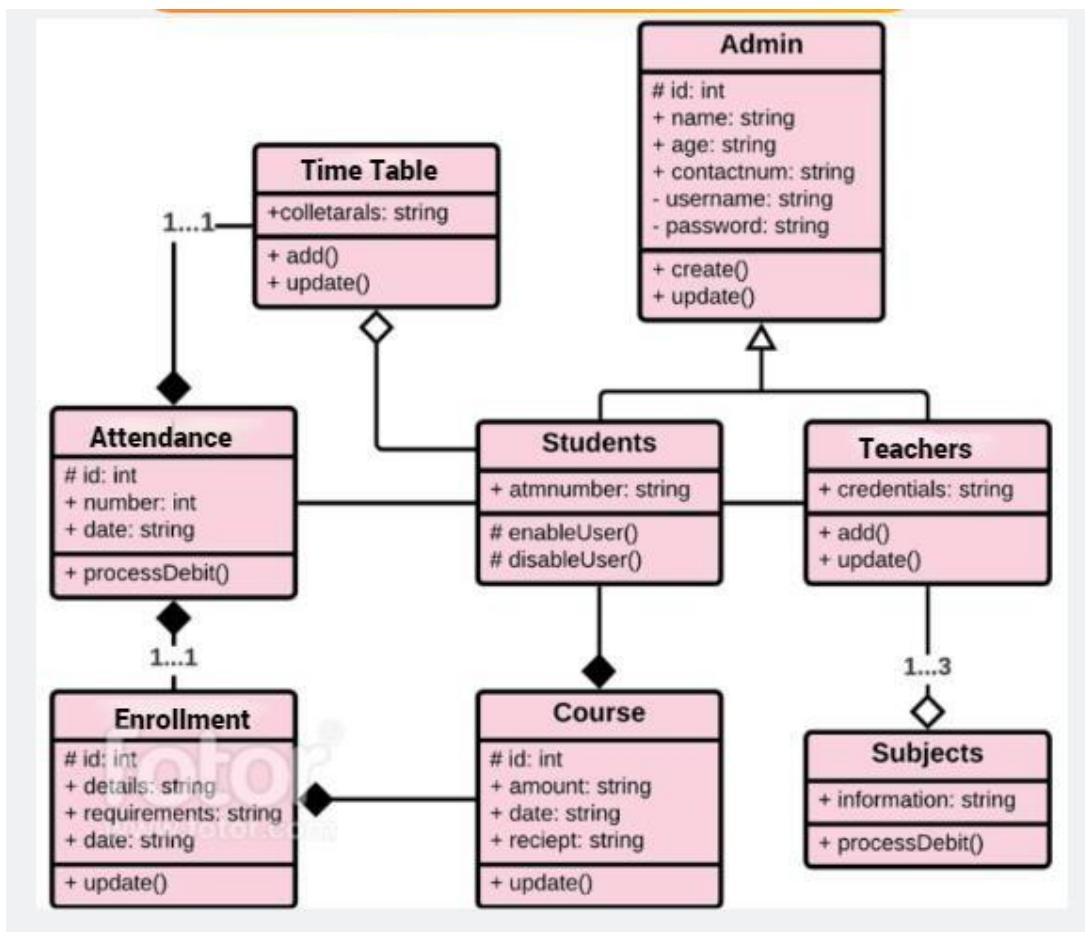


Fig.1 : Class Diagram of CollegeERP

Entity Relationship Diagram

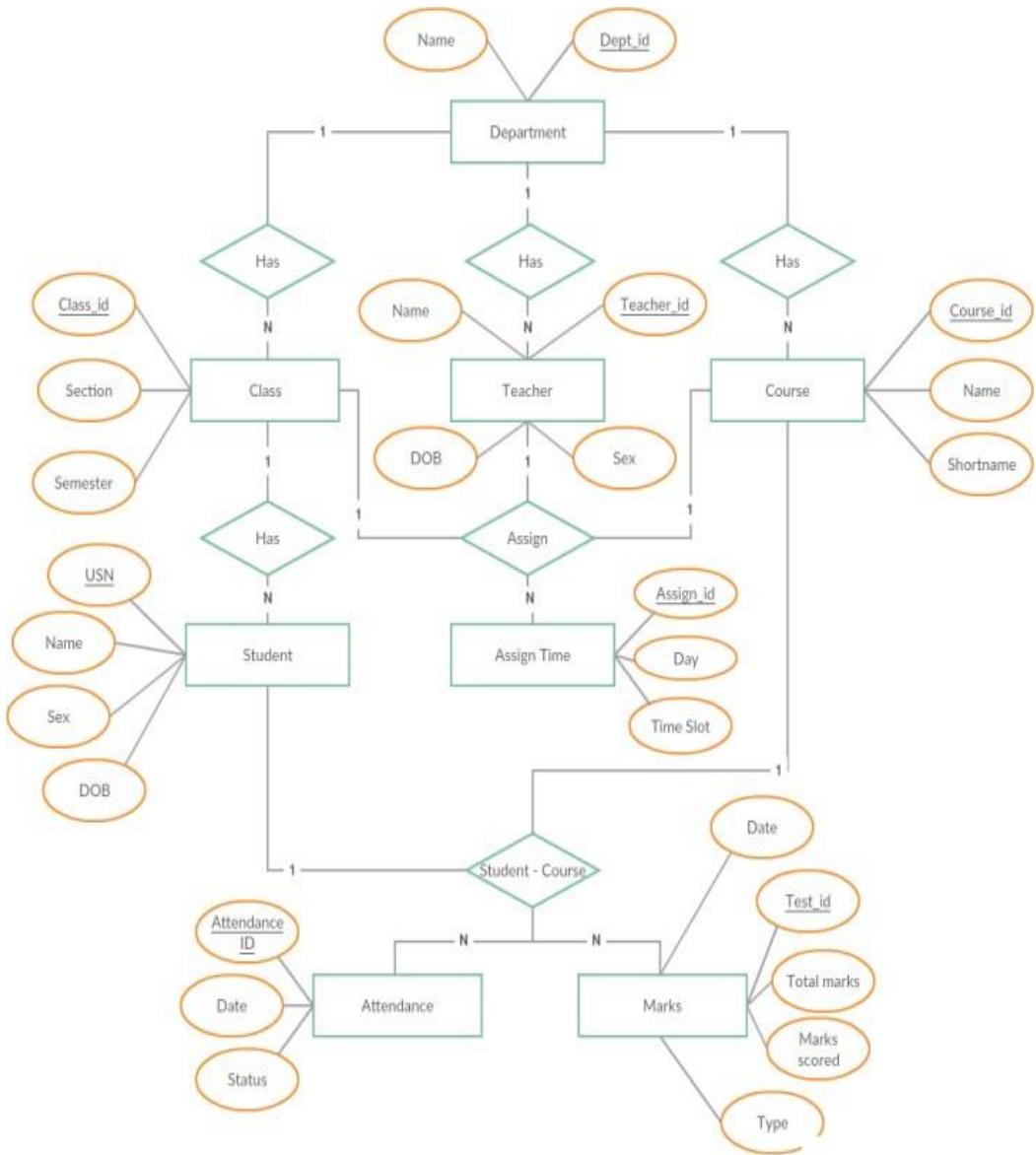


Fig.2 : Entity Relationship
Diagram

Architectural Design

The ERP software requires the architectural design to represent the design of the software. Here we define a collection of hardware and software components and their interfaces to establish the framework for the development of this software. There exists number of components of the system which are integrated to form a system. The set of connectors will help in coordination, communication, and cooperation between the components. The ERP software is built for computer-based system. It exhibits the data centric style of architecture.

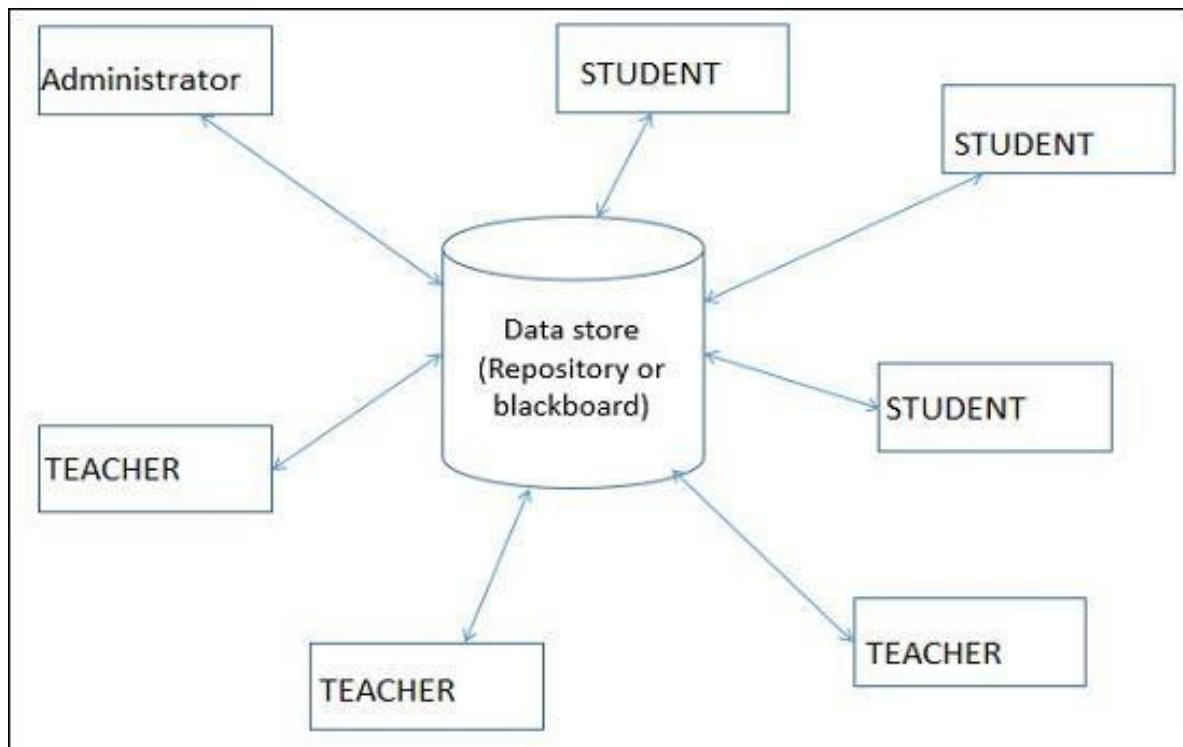


Fig.3: Architectural Style

Use Case – Diagram

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses.

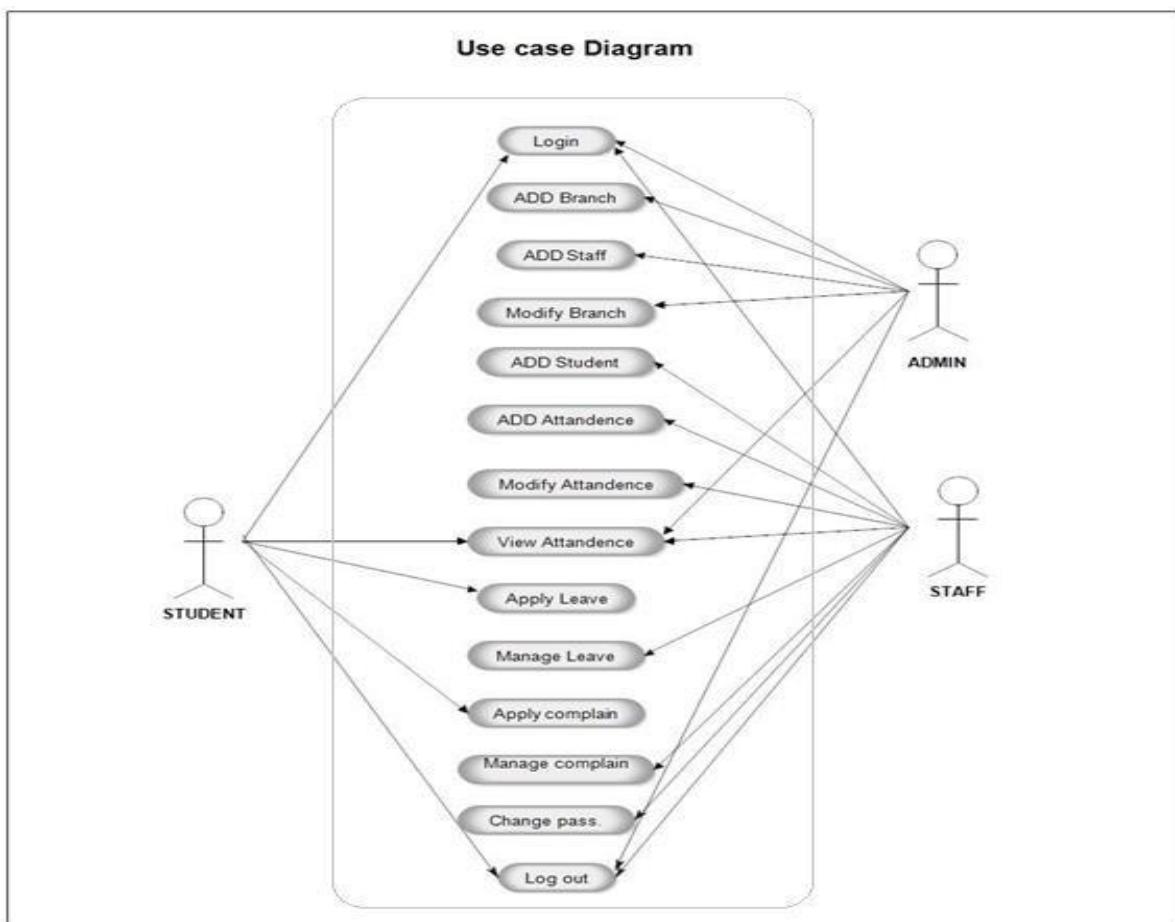


Fig.4 : Use Case - Diagram

OPERATING ENVIRONMENT

- The following system requirements are needed in order to run CollegeERP successfully in a system.
 - OS: Windows10
 - Database: MySQL database
 - Frontend: HTML/CSS/Bootstrap
 - Backend: Django

HARDWARE SYSTEM ENVIRONMENT

- i3 10th Gen. Intel Processor
- 8 GB RAM
- 256 GB SSD

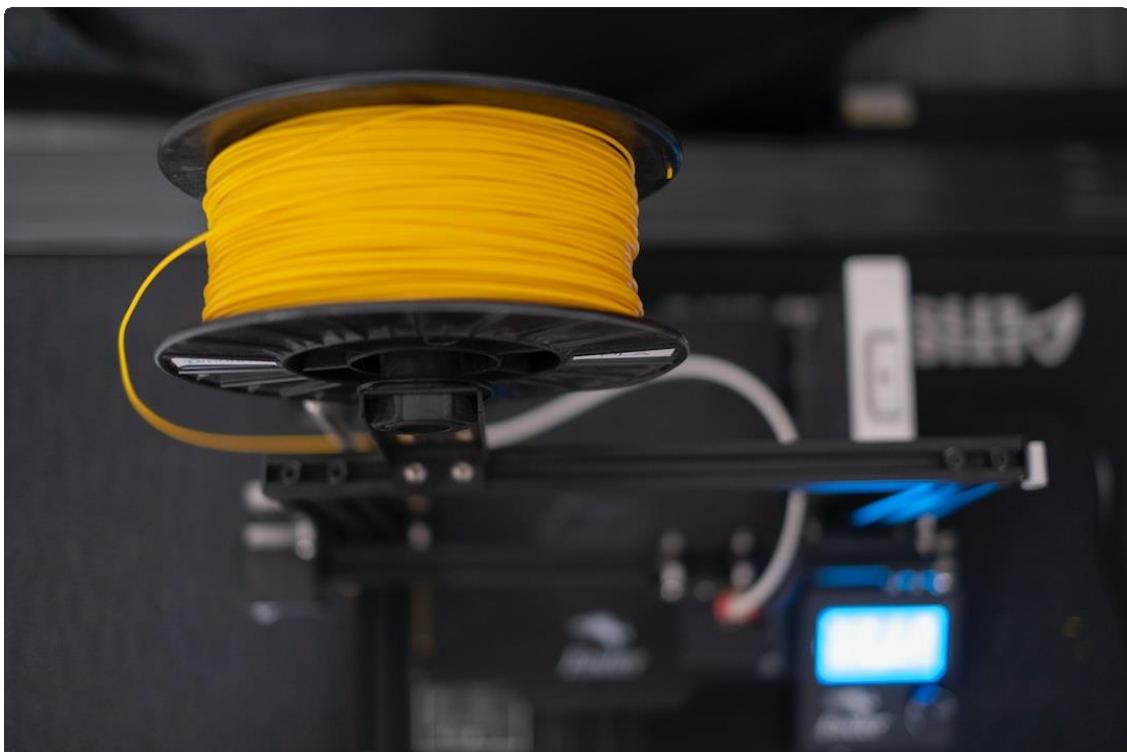
EduSync Pro

Frontend - Overview of the Project



EduSync Pro

[AKGEC Website](#) [Google Classroom](#) [GeeksForGeeks](#) [YouTube](#)



H O L A !

Innovation takes birth in sync with the evolution of customer's expectations and demands or vice versa. Either way, organizations around the world have to continually innovate themselves and keep up with the people's wants. The failure to do so or being indifferent to your customer's need will make your competitors win. And then suddenly, customers become indifferent to you- a high-risk gamble to play at.

AKGEC CollegeERP

Click here to visit CollegeERP

**Howdy! Have you missed your college today?
Don't worry! Sit back & Relax *_* Welcome to
MyStudyPartner ;)**

Jai Hind! Everyone, This is Aradhya Priyadarshi who has made a project on a website that will make available all the notes and important topics about the academic related options. The name of the project is EduSync Pro.





Materials

"A reader lives a thousand lives before he dies." – George R. R. Martin

CS

1. Constitution of India - KNC501
2. Database Management System - KCS501
3. Design & Analysis of Algorithm - KCS503
4. Human Computer Interface - KCS058
5. Compiler Design - KCS502
6. Web Designing - KCS052

IT

1. Constitution of India - KNC501
2. Database Management System - KCS501
3. Design & Analysis of Algorithm - KCS503
4. Human Computer Interface - KCS058
5. Object Oriented System Design - KCS054
6. Web Technology - KIT501

CSIT

1. Constitution of India - KNC501
2. Database Management System - KCS501
3. Design & Analysis of Algorithm - KCS503
4. Human Computer Interface - KCS058
5. Object Oriented System Design - KCS054
6. Web Technology - KIT501

Essential Websites

"Measuring programming progress by lines of code is like measuring aircraft building progress by weight." – Bill Gates



AKTU OneView

AKTU Portal to view result

[Click here to visit AKTU OneView](#)



AKTU ERP

AKTU Portal to manage your University data

[Click here to visit AKTU ERP](#)



AKGEC Edumarshal

AKGEC Portal to manage your College data

[Click here to visit Edumarshal](#)

OUR TEAM

When the ideas are coming, we don't stop until the ideas stop because that train doesn't come along all the time.



Aradhya Priyadarshi

MERN Developer



If there was an observer on Mars, they would probably be amazed that we have survived this long.

Contact Us

If you're having any issue regarding the contents of this page, please do e-mail us for faster

resolution !

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KKM, Varanasi, UP 221106



BonnyXD

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CollegeERP

Overview of the CollegeERP System

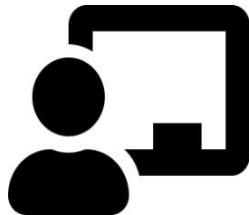
■ Admin Section

This is the section where the admin of the system will be able to add new teachers and new students if there have any.

CollegeERP

Logout

Welcome Bonny



Add Teacher

Enter the details of new faculty to add a new teacher to database. Make sure to correctly input values.



Add Student

Enter the details of a student to enroll a new student. Fill the details carefully as they are important for academics.

• Admin Section – Admin Panel

The screenshot shows the AKGEC CollegeERP Admin dashboard. At the top, there's a header bar with the title "AKGEC CollegeERP Admin" and a "WELCOME, BONNY. VIEW SITE / CHANGE PASSWORD / LOG OUT" link. Below the header, a "Welcome to CollegeERP Portal" message is displayed. The main area is divided into several sections:

- AUTH TOKEN**: A section for managing tokens, with "Tokens" listed and "Add" and "Change" buttons.
- AUTHENTICATION AND AUTHORIZATION**: A section for managing groups, with "Groups" listed and "Add" and "Change" buttons.
- INFO**: A large section containing links to various management pages:
 - Assigns
 - Attendance
 - Classes
 - Courses
 - Depts
 - Marks
 - Students
 - Teachers
 - Users
 Each item has "Add" and "Change" buttons next to it.
- Recent actions**: A sidebar listing recent administrative actions, such as "Mukesh Kumar : DBMS : Information Technology : 5 2 Assign" and "Akanksha Shukla : Web Tech. : Information Technology : 5 2 Assign".
- My actions**: A sidebar listing recent administrative actions, such as "Birendra Kumar : DAA : Information Technology : 5 2 Assign" and "Birendra Kumar : DAA : Information Technology : 5 2 Assign".

The screenshot shows the "Users" management page under the "INFO" category. The left sidebar lists various user categories with "Add" buttons. The main area is titled "Select user to change" and contains a search bar and a table of users:

Action	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	akanksha_13				✓
<input type="checkbox"/>	aradhy_121				✗
<input type="checkbox"/>	avdheh_19				✓
<input type="checkbox"/>	birendra_14				✓
<input type="checkbox"/>	bonny	aradhyapriyadarshi@gmail.com			✓
<input type="checkbox"/>	harsh_368				✗
<input type="checkbox"/>	harsh_369				✗
<input type="checkbox"/>	harsh_370				✗
<input type="checkbox"/>	harsh_371				✗
<input type="checkbox"/>	harshit_373				✗
<input type="checkbox"/>	janhvi_381				✗
<input type="checkbox"/>	komal_17				✓
<input type="checkbox"/>	kumar_391				✗
<input type="checkbox"/>	laavanya_395				✗
<input type="checkbox"/>	manu_100				✗
<input type="checkbox"/>	mihir_103				✗
<input type="checkbox"/>	mohit_105				✗
<input type="checkbox"/>	mukesh_12				✓
<input type="checkbox"/>	sarvachan_15				✓
<input type="checkbox"/>	shallendra_183				✗
<input type="checkbox"/>	vishal_16				✓

On the right side, there are three filter sections:

- By staff status**: Options: All, Yes, No.
- By superuser status**: Options: All, Yes, No.
- By active**: Options: All, Yes, No.

AKGEC CollegeERP Admin

WELCOME, BONNY. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Info > Courses

Start typing to filter...

AUTH TOKEN

Tokens [+ Add](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

INFO

Assigns [+ Add](#)

Attendance [+ Add](#)

Classes [+ Add](#)

Courses [+ Add](#)

Depts [+ Add](#)

Marks [+ Add](#)

Students [+ Add](#)

Teachers [+ Add](#)

Users [+ Add](#)

Select course to change

Action: Go 0 of 10 selected

ID	NAME	DEPT
KCS054	Object Oriented System Design	Information Technology
KCS058	Human Computer Interface	Information Technology
KCS501	Database Management System	Information Technology
KCS503	Design & Analysis of Algorithm	Information Technology
KCS551	DBMS Lab	Information Technology
KCS553	DAA Lab	Information Technology
KCS554	Mini Project	Information Technology
KIT501	Web Technology	Information Technology
KIT551	Web Technology Lab	Information Technology
KNC501	Constitution of India	Information Technology

10 courses

[ADD COURSE +](#)

AKGEC CollegeERP Admin

WELCOME, BONNY. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Info > Students

Start typing to filter...

AUTH TOKEN

Tokens [+ Add](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

INFO

Assigns [+ Add](#)

Attendance [+ Add](#)

Classes [+ Add](#)

Courses [+ Add](#)

Depts [+ Add](#)

Marks [+ Add](#)

Students [+ Add](#)

Teachers [+ Add](#)

Users [+ Add](#)

Select student to change

Action: Go 0 of 13 selected

USN	NAME	CLASS ID
1121	Aradhy Priyadarshi	Information Technology : 52
1183	Shailendra Pratap Singh	Information Technology : 52
13100	Manu Shukla	Information Technology : 52
13103	Mihir Gupta	Information Technology : 52
13105	Mohit Singh	Information Technology : 52
1368	Harsh Keshri	Information Technology : 52
1369	Harsh Mishra	Information Technology : 52
1370	Harsh Srivastava	Information Technology : 52
1371	Harsh Tiwari	Information Technology : 52
1373	Harshit Khurana	Information Technology : 52
1381	Jehnvi Rajpoot	Information Technology : 52
1391	Kumar Shivam	Information Technology : 52
1395	Leavanya Yadav	Information Technology : 52

13 students

[ADD STUDENT +](#)

AKGEC CollegeERP Admin

WELCOME, BONNY | VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Info > Teachers

Start typing to filter...

AUTH TOKEN

Tokens [+ Add](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

INFO

Assigns [+ Add](#)

Attendance [+ Add](#)

Classes [+ Add](#)

Courses [+ Add](#)

Depts [+ Add](#)

Marks [+ Add](#)

Students [+ Add](#)

Teachers [+ Add](#)

Users [+ Add](#)

Select teacher to change

Action: [—](#) Go | 0 of 7 selected

<input type="checkbox"/> NAME	DEPT
Akanksha Shukla	Information Technology
Avdhesh Gupta	Information Technology
Birendra Kumar	Information Technology
Komal Rani	Information Technology
Mukesh Kumar	Information Technology
Sarvachan Verma	Information Technology
Vishal Gupta	Information Technology

7 teachers

[ADD TEACHER +](#)

AKGEC CollegeERP Admin

WELCOME, BONNY | VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Info > Marks > Harsh Mishra : Mini Project

Start typing to filter...

AUTH TOKEN

Tokens [+ Add](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

INFO

Assigns [+ Add](#)

Attendance [+ Add](#)

Classes [+ Add](#)

Courses [+ Add](#)

Depts [+ Add](#)

Marks [+ Add](#)

Students [+ Add](#)

Teachers [+ Add](#)

Users [+ Add](#)

Harsh Mishra : Mini Project [HISTORY](#)

Change student course

Student: Harsh Mishra [✖️](#) [➕](#) [✖️](#)

Course: Mini Project [✖️](#) [➕](#) [✖️](#)

MARKS

NAME	MARKS	DELETE?
Internal test 1	0	<input type="checkbox"/>
Internal test 2	0	<input type="checkbox"/>
Internal test 3	0	<input type="checkbox"/>
Event 1	0	<input type="checkbox"/>
Event 2	0	<input type="checkbox"/>
Semester End Exam	0	<input type="checkbox"/>

[+ Add another Marks](#)

[Delete](#) [Save and add another](#) [Save and continue editing](#) [SAVE](#)

▪ Student Section

This is the section where the students of the institution will be able to view their respective attendance record, marks & time table.

CollegeERP Aradhyा Priyadarshi Logout

Welcome Aradhyा Priyadarshi



Attendance

View the attendance status for each of your courses. The attendance of each course is also displayed as list of classes that were conducted.

[View Attendance](#)



Marks

View the marks obtained for each of your courses. These include the marks of 3 internal assessment, 2 events and the Semester End Exam

[View Marks](#)



TimeTable

View the timetable in a tabular form. The timetable displays all the courses of the student and the time and day at which they are conducted.

[View TimeTable](#)

• Student Section – Attendance Record

Here, in this section ,the student will be able to view the respective attendance record in their subjects.

CollegeERP Aradhyा Priyadarshi Logout

- Home
- Attendance
- Attendance By Subject
- Marks
- Time Table

Web Technology				
#	Date	Day	Status	
1	Jan. 22, 2021	Friday	Present	
2	Jan. 25, 2021	Monday	Absent	
3	Jan. 26, 2021	Tuesday	Present	
4	Jan. 27, 2021	Wednesday	Present	
5	Jan. 28, 2021	Thursday	Present	
6	Jan. 29, 2021	Friday	Present	

• Student Section – Marks Obtained

Students will also be having the right of viewing their marks obtained record in each of their subjects.

Marks										
Course ID	Course name	Internals 1		Internals 2		Internals 3		Event 1	Event 2	SEE
KCSS01	Database Management System	0	0	0	0	0	0	0	0	0
KIT501	Web Technology	20	20	20	20	0	0	0	0	0
KCSS03	Design & Analysis of Algorithm	0	0	0	0	0	0	0	0	0
KCS054	Object Oriented System Design	0	0	0	0	0	0	0	0	0
KCS058	Human Computer Interface	0	0	0	0	0	0	0	0	0
KNC501	Constitution of India	0	0	0	0	0	0	0	0	0
KCS551	DBMS Lab	0	0	0	0	0	0	0	0	0
KIT551	Web Technology Lab	0	0	0	0	0	0	0	0	0
KCSS53	DAA Lab	0	0	0	0	0	0	0	0	0
KCS554	Mini Project	0	0	0	0	0	0	0	0	0

• Student Section – Time Table

Time Table tells the student what subject needs to be learnt in which time slot. This is the backbone of any institution and makes the smooth running of any department.

Timetable										
	7:30 - 8:30	8:30 - 9:30	9:30 - 10:30	Break	11:00 - 11:50	11:50 - 12:40	12:40 - 1:30	Lunch	2:30 - 3:30	3:30 - 4:30
Monday		KCSS03	KCS054		KCS058	KCSS53	KCS553		KIT501	KCSS03
Tuesday		KCS551	KCS551		KCS503	KCS054	KCS058		KCS503	KIT501
Wednesday		KIT501	KCSS501		KNC501	KCS553	KCS553		KCS503	KCS058
Thursday		KNC501	KCS503		KIT501	KCS058	KCS551		KIT501	KCS501
Friday		KCS058	KCSS503		KNC501	KIT501	KCS503		KCS551	KCS551
Saturday										

■ Teacher Section

Teacher section is having the right of read and writing the records of any student regarding attendance upload, marks upload, time table generation and generating the reports of any student.

The screenshot shows the 'CollegeERP' application interface. At the top, there's a dark header bar with 'CollegeERP' on the left and 'Logout' on the right. Below it is a light gray header with the text 'Welcome Akanksha Shukla'. Underneath is a grid of four cards, each with an icon and a title:

- Attendance**: Shows a clipboard icon with three green student icons. Description: Enter the attendance of the students based on the class they are in. There is also the provision to edit the attendance of a whole class or student individually. Button: Enter Attendance.
- Marks**: Shows a document icon with a grade 'A+' and a plus sign. Description: Enter the marks of the students based on the class they are in. This includes Internals, events and SEE. The marks of the students can also be edited. Button: Enter Marks.
- TimeTable**: Shows a red calendar icon with blue squares representing days. Description: View the timetable in a tabular form. For a particular class, it specifies a list of teachers who handle the same class that are free for that time slot. Button: View TimeTable.
- Reports**: Shows a chart icon with a pie chart and bars. Description: Generate reports for each class. These reports include generating a table consisting of the students belonging to that class and their respective CIE and Attendance. Button: Generate Reports.

• Teacher Section – Reading Attendance

Here, the teacher will be able view the attendance percentage of each and every student of his/her class.

The screenshot shows the 'Attendance' report page. On the left is a sidebar with navigation links: Home, Attendance, Marks, Time Table, and Reports. The main area has a header 'Attendance' and a table with the following data:

USN	Student name	Attended classes	Total classes	Attendance %	Classes to attend
1183	Shailendra Pratap Singh	5	6	83.33	0
1368	Harsh Keshri	3	6	50.0	6
1370	Harsh Srivastava	3	6	50.0	6
1371	Harsh Tiwari	4	6	66.67	2
1373	Harshit Khurana	4	6	66.67	2
1391	Kumar Shivam	6	6	100.0	0
1381	Janhvi Rajpoot	5	6	83.33	0
1395	Laavanya Yadav	5	6	83.33	0
13100	Manu Shukla	3	6	50.0	6
13103	Mihir Gupta	5	6	83.33	0
13105	Mohit Singh	4	6	66.67	2
1369	Harsh Mishra	4	6	66.67	2
1121	Aradhya Priyadarshi	5	6	83.33	0

• Teacher Section – Writing Attendance

Here, the teacher will be able write the attendance of each and every student of his/her class.

Attendance		
Date	Status	
Jan. 29, 2021	Marked	Edit Attendance
Jan. 28, 2021	Marked	Edit Attendance
Jan. 27, 2021	Marked	Edit Attendance
Jan. 26, 2021	Marked	Edit Attendance
Jan. 25, 2021	Marked	Edit Attendance
Jan. 22, 2021	Marked	Edit Attendance
Jan. 21, 2021	Not Marked	Enter Attendance Cancel Class
Jan. 20, 2021	Not Marked	Enter Attendance Cancel Class
Jan. 19, 2021	Not Marked	Enter Attendance Cancel Class
Jan. 18, 2021	Not Marked	Enter Attendance Cancel Class

• Teacher Section – Score Card of Every Student

Here, The teacher will be able to know which student has scored and how much in his/her subject.

Marks							
Student USN	Student Name	Internals 1	Internals 2	Internals 3	Event 1	Event 2	SEE
1121	Aradhy Priyadarshi	20	20	20	20	0	0
1183	Shallendra Pratap Singh	18	14	19	15	0	0
13100	Manu Shukla	18	19	15	15	0	0
13103	Mihir Gupta	17	18	18	15	0	0
13105	Mohit Singh	16	18	14	20	0	0
1368	Harsh Keshri	16	13	20	15	0	0
1369	Harsh Mishra	15	18	16	14	0	0
1370	Harsh Srivastava	14	15	19	13	0	0
1371	Harsh Tiwari	20	19	16	14	0	0
1373	Harshit Khurana	19	20	15	12	0	0
1381	Janhvi Rajpoot	20	12	13	15	0	0
1391	Kumar Shivam	19	14	19	13	0	0
1395	Laavanya Yadav	20	16	13	17	0	0

• Teacher Section – Giving Marks to Students

Teacher will be able to give marks to each and every student based upon his performance.

Marks		
Name	Status	
Internal test 1	Marked	Edit Marks
Internal test 2	Marked	Edit Marks
Internal test 3	Marked	Edit Marks
Event 1	Marked	Edit Marks
Event 2	Not Marked	Enter Marks
Semester End Exam	Not Marked	Enter Marks

• Teacher Section – Time Table

The teacher can also decide when to take the class or when to allot the lecture to the students

		Timetable										
		7:30 - 8:30	8:30 - 9:30	9:30 - 10:30	Break	11:00 - 11:50	11:50 - 12:40	12:40 - 1:30	Lunch	2:30 - 3:30	3:30 - 4:30	4:30 - 5:30
Monday									IT2 Web Tech.			
Tuesday										IT2 Web Tech.		
Wednesday			IT2 Web Tech.									
Thursday					IT2 Web Tech.				IT2 Web Tech.			
Friday						IT2 Web Tech.						
Saturday												

• Teacher Section – Generating Reports

Teacher is superior to the students so he/she is having the right to generate the report of each and every student based upon his attendance percentage and previous academic records.

The screenshot shows a software application window titled "CollegeERP". On the left is a dark sidebar with navigation links: Home, Attendance, Marks, Time Table, and Reports. The main area has a header "Marks" and contains a table with the following data:

Student USN	Student Name	Attendance	CIE
1183	Shailendra Pratap Singh	83.33	33
1368	Harsh Keshri	50.0	32
1370	Harsh Srivastava	50.0	31
1371	Harsh Tiwari	66.67	35
1373	Harshit Khurana	66.67	33
1391	Kumar Shivam	100.0	33
1381	Janhvi Rajpoot	83.33	30
1395	Laavanya Yadav	83.33	33
13100	Manu Shukla	50.0	34
13103	Mihir Gupta	83.33	34
13105	Mohit Singh	66.67	34
1369	Harsh Mishra	66.67	32
1121	Aradhya Priyadarshi	83.33	40

SOURCE CODE

EduSync Pro – CollegeERP System

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <link
      href="https://unpkg.com/tailwindcss@^1.0/dist/tailwind.min.css"
      rel="stylesheet"
    />
    <title>EduSync Pro</title>
    <link rel = "icon" href =
"https://img.freepik.com/free-vector/infinity-icon_1034-
617.jpg?w=740&t=st=1668369296~exp=1668369896~hmac=f9358d14f4822e4cdf
1b7c14be43902c21e4d4215e039f241ecae158187d3434"
      type = "image/x-icon">
  </head>
  <body>
    <header class="text-gray-600 body-font">
      <div
        class="container mx-auto flex flex-wrap p-5 flex-col
md:flex-row items-center">
        <a
          class="flex title-font font-medium items-center text-gray-
900 mb-4 md:mb-0"
        >
          <svg
            xmlns="http://www.w3.org/2000/svg"
            fill="none"
            stroke="currentColor"
            stroke-linecap="round"
            stroke-linejoin="round"
            stroke-width="2"
            class="w-10 h-10 text-white p-2 bg-indigo-500 rounded-
full"
            viewBox="0 0 24 24"
            data-darkreader-inline-stroke=""
            style="--darkreader-inline-stroke: currentColor"
          >
            <path
```

```

d="M12 2L2 7l10 5 10-5-10-5zM2 17l10 5 10-5M2 12l10
10-5"      5

        ></path>
    </svg>
    <span class="ml-3 text-xl">EduSync Pro</span>
</a>
<nav
    class="md:ml-auto flex flex-wrap items-center text-base
justify-center"
>
    <a class="mr-5 hover:text-gray-
900"
        href="https://www.akgec.ac.in
/" target="_blank">AKGEC
Website</a>
    <a
        class="mr-5 hover:text-gray-900"
        href="https://accounts.google.com/v3/signin/identifie
r?d
sh=S168243120%3A1668369986192437&continue=https%3A%2F%2Fclassroo
m.go
ogle.com%2Fu%2F0%2Fh&followup=https%3A%2F%2Fclassroom.google.com
%2Fu
%2F0%2Fh&passive=1209600&service=classroom&flowName=GifWebSignI
n&f1
owEntry=ServiceLogin&ifkv=ARgdvAtGhoKqWbZ1fXbvgua0_u2lqcj06owcpF
gBM0iCLPcXd6j50noG0JqG2nd7UKv00C_JAHM_"
        target="_blank"
        >Google Classroom
    </a>
    <a class="mr-5 hover:text-gray-
900"
        href="https://www.geeksforgeeks.o
rg/" target="_blank">GeeksForGeeks
    </a>
    <a class="mr-5 hover:text-gray-900"
        href="https://www.youtube.com"
        target="_blank">YouTube</a>
</nav>
<button
    class="inline-flex items-center bg-gray-100 border-0
py-1px-3 focus:outline-none hover:bg-gray-200 rounded text-base
mt-4 md:mt-0"
>
    😊
<svg
    fill="none"
    stroke="currentColo

```

```
r" stroke-
linecap="round"
stroke-
linejoin="round"
stroke-width="2"
class="w-4 h-4 ml-
1" viewBox="0 0 24
24"
data-darkreader-inline-stroke=""
style="--darkreader-inline-stroke:currentColor
```

```

>
    <path d="M5 12h14M12 5l7 7-7 7"></path>
  </svg>
</button>
</div>
</header>

<hr />

<section class="text-gray-600 body-font">
  <div class="container mx-auto flex px-5 py-24 items-center justify-center flex-col">
    
    <div class="text-center lg:w-2/3 w-full">
      <h1 class="title-font sm:text-4xl text-3xl mb-4 font-medium text-gray-900">H O L A !</h1>
      <p class="mb-8 leading-relaxed">Innovation takes birth in sync with the evolution of customer's expectations and demands or vice versa. Either way, organizations around the world have to continually innovate themselves and keep up with the people's wants. The failure to do so or being indifferent to your customer's need will make your competitors win. And then suddenly, customers become indifferent to you- a high-risk gamble to play at.</p>
    </div>
  </div>
</section>

<hr>

<section class="text-gray-600 body-font">
  <div class="container px-5 py-24 mx-auto">
    <div class="lg:w-2/3 flex flex-col sm:flex-row sm:items-center items-start mx-auto">
      <h1 class="flex-grow sm:pr-16 text-2xl font-medium title-font text-gray-900">AKGEC CollegeERP</h1>
      <a class="text-gray-600 hover:text-gray-800" href="https://web-production-853c.up.railway.app/" target="-blank">Click here to visit CollegeERP</a>
    </div>
  </div>
</section>

<hr>

<section class="text-gray-600 body-font">
  <div>

```

```

        class="container mx-auto flex px-5 py-24 md:flex-row flex-
col items-center"
      >
      <div
        class="lg:flex-grow md:w-1/2 lg:pr-24 md:pr-16 flex flex-
col md:items-start md:text-left mb-16 md:mb-0 items-center text-
center"
      >
        <h1
          class="title-font sm:text-4xl text-3xl mb-4 font-medium
text-gray-900"
        >
          Howdy! <br class="hidden lg:inline-block" />Have you
missed your
          college today? Don't worry! Sit back & Relax *_*
          <br class="hidden lg:inline-block" />Welcome to
MyStudyPartner ;)
        </h1>
        <p class="mb-8 leading-relaxed">
          Jai Hind! Everyone, This is Aradhya Priyadarshi along
with my Project partner Harsh Tiwari have made a project on a
website that will make available all the notes and important topics
about the academic related options. The name of the project is
EduSync Pro.
        </p>
      </div>
      <div class="lg:max-w-lg lg:w-full md:w-1/2 w-5/6">
        
      </div>
    </div>
  </section>

<hr>

<footer class="text-gray-600 body-font">
  <div class="container px-5 py-24 mx-auto flex md:items-center
lg:items-start md:flex-row md:flex-wrap flex-col">
    <div class="w-64 flex-shrink-0 md:mx-0 mx-auto text-center
md:text-left">
      <a class="flex title-font font-medium items-center
md:justify-start justify-center text-gray-900">
        <svg xmlns="http://www.w3.org/2000/svg" fill="none"
stroke="currentColor" stroke-linecap="round" stroke-linejoin="round">

```

```

stroke-width="2" class="w-10 h-10 text-white p-2 bg-indigo-500
rounded-full" viewBox="0 0 24 24">
    <path d="M12 2L2 7l10 5 10-5-10-5zM2 17l10 5 10-5M2
12l10 5 10-5"></path>
</svg>
<span class="ml-3 text-xl">Materials</span>
</a>
<p class="mt-2 text-sm text-gray-500">“A reader lives a
thousand lives before he dies.” – George R. R. Martin</p>
</div>
<div class="flex-grow flex flex-wrap md:pl-20 -mb-10 md:mt-0
mt-10 md:text-left text-center">
    <div class="lg:w-1/3 md:w-1/2 w-full px-3">
        <h2 class="title-font font-medium text-gray-900
tracking-widest text-sm mb-3">CS</h2>
        <nav class="list-none mb-10">
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1V6fkzZKzMRq3KIz5IANKrhl1xZ
vbpk06&export=download">1. Constitution of India - KNC501</a>
            </li>
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=12H5Spm95m7McQJGsc0iUsH8ZK
KLAhpv&export=download">2. Database Management System - KCS501</a>
            </li>
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1tyQU53viRFqCuYztv0FD3f1VM0
giaKA_&export=download">3. Design & Analysis of Algorithm -
KCS503</a>
            </li>
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1c0bctjBuV9nwpq9CnflDE8ra2R
M4wS7L&export=download">4. Human Computer Interface - KCS058</a>
            </li>
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1FFeTet84Cr4QMcV5MPsJzOr_k4
ZTxnob&export=download">5. Compiler Design - KCS502</a>
            </li>
            <li>
                <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1WjPULHum3duXlZu6V4Ht9yX5I
vouh37&export=download">6. Web Designing - KCS052</a>
            </li>
        </nav>

```

```

        </div>
        <div class="lg:w-1/3 md:w-1/2 w-full px-3">
            <h2 class="title-font font-medium text-gray-900
tracking-widest text-sm mb-3">IT</h2>
            <nav class="list-none mb-10">
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1V6fkzZKzMRq3KIz5IANKrhl1xZ
vbpk06&export=download">1. Constitution of India - KNC501</a>
                </li>
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=12H5Spm95m7McdQJGsC0iUsH8ZK
KLAhpv&export=download">2. Database Management System - KCS501</a>
                </li>
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1tyQU53viRFqCuYztvOFD3f1VM0
giaKA_&export=download">3. Design & Analysis of Algorithm -
KCS503</a>
                </li>
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1c0bctjBuV9nwpq9CNfLDE8ra2R
M4wS7L&export=download">4. Human Computer Interface - KCS058</a>
                </li>
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1b56ZZIynY6RY-
3UiKQSyLetUmZq897X0&export=download">5. Object Oriented System
Design - KCS054</a>
                </li>
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1zE5EMkr0W-
bsSgRyfMusYC6coxVu70Nf&export=download">6. Web Technology -
KIT501</a>
                </li>
            </nav>
        </div>
        <div class="lg:w-1/3 md:w-1/2 w-full px-3">
            <h2 class="title-font font-medium text-gray-900
tracking-widest text-sm mb-3">CSIT</h2>
            <nav class="list-none mb-10">
                <li>
                    <a class="text-gray-600 hover:text-gray-800"
href="https://drive.google.com/u/1/uc?id=1V6fkzZKzMRq3KIz5IANKrhl1xZ
vbpk06&export=download">1. Constitution of India - KNC501</a>

```

```

        </li>
        <li>
            <a class="text-gray-600 hover:text-gray-800"
            href="https://drive.google.com/u/1/uc?id=12H5Spm95m7McdQJGsC0iUsH8ZK
            KLAhpv&export=download">2. Database Management System - KCS501</a>
        </li>
        <li>
            <a class="text-gray-600 hover:text-gray-800"
            href="https://drive.google.com/u/1/uc?id=1tyQU53viRFqCuYztvOFD3f1VM0
            giaKA_&export=download">3. Design & Analysis of Algorithm -
            KCS503</a>
        </li>
        <li>
            <a class="text-gray-600 hover:text-gray-800"
            href="https://drive.google.com/u/1/uc?id=1c0bctjBuV9nwpq9CNfLDE8ra2R
            M4wS7L&export=download">4. Human Computer Interface - KCS058</a>
        </li>
        <li>
            <a class="text-gray-600 hover:text-gray-800"
            href="https://drive.google.com/u/1/uc?id=1b56ZZIynY6RY-
            3UiKQSyLetUmZq897X0&export=download">5. Object Oriented System
            Design - KCS054</a>
        </li>
        <li>
            <a class="text-gray-600 hover:text-gray-800"
            href="https://drive.google.com/u/1/uc?id=1zE5EMkr0W-
            bSSgRyfMusYC6coxVu70Nf&export=download">6. Web Technology -
            KIT501</a>
        </li>
    </nav>
    </div>
    </div>
    </div>
</footer>

<hr />

<section class="text-gray-600 body-font">
    <div class="container px-5 py-24 mx-auto">
        <div class="flex flex-wrap w-full mb-20 flex-col items-
center text-center">
            <h1 class="sm:text-3xl text-2xl font-medium title-font mb-
2 text-gray-900">Essential Websites</h1>
            <p class="lg:w-1/2 w-full leading-relaxed text-gray-
500">“Measuring programming progress by lines of code is like
measuring aircraft building progress by weight.”
                – Bill Gates</p>
        </div>

```

```

<div class="flex flex-wrap -m-4">
    <div class="xl:w-1/3 md:w-1/2 p-4">
        <div class="border border-gray-200 p-6 rounded-lg">
            <div class="w-10 h-10 inline-flex items-center
justify-center rounded-full bg-indigo-100 text-indigo-500 mb-4">
                <svg fill="none" stroke="currentColor" stroke-
Linecap="round" stroke-linejoin="round" stroke-width="2" class="w-6
h-6" viewBox="0 0 24 24">
                    <path d="M22 12h-4l-3 9L9 31-3 9H2"></path>
                </svg>
            </div>
            <h2 class="text-lg text-gray-900 font-medium title-
font mb-2">AKTU OneView</h2>
            <p class="leading-relaxed text-base">AKTU Portal to
view result</p>
            <br />
            <a class="text-gray-600 hover:text-gray-800"
href="https://erp.aktu.ac.in/webpages/oneview/oneview.aspx"
target="_blank">Click here to visit AKTU OneView</a>
        </div>
    </div>
    <div class="xl:w-1/3 md:w-1/2 p-4">
        <div class="border border-gray-200 p-6 rounded-lg">
            <div class="w-10 h-10 inline-flex items-center
justify-center rounded-full bg-indigo-100 text-indigo-500 mb-4">
                <svg fill="none" stroke="currentColor" stroke-
Linecap="round" stroke-linejoin="round" stroke-width="2" class="w-6
h-6" viewBox="0 0 24 24">
                    <circle cx="6" cy="6" r="3"></circle>
                    <circle cx="6" cy="18" r="3"></circle>
                    <path d="M20 4L8.12 15.88M14.47 14.48L20 20M8.12
8.12L12 12"></path>
                </svg>
            </div>
            <h2 class="text-lg text-gray-900 font-medium title-
font mb-2">AKTU ERP</h2>
            <p class="leading-relaxed text-base">AKTU Portal to
manage your University data</p>
            <br />
            <a class="text-gray-600 hover:text-gray-800"
href="https://erp.aktu.ac.in/" target="_blank">Click here to visit
AKTU ERP</a>
        </div>
    </div>
    <div class="xl:w-1/3 md:w-1/2 p-4">
        <div class="border border-gray-200 p-6 rounded-lg">
            <div class="w-10 h-10 inline-flex items-center
justify-center rounded-full bg-indigo-100 text-indigo-500 mb-4">

```

```

        <svg fill="none" stroke="currentColor" stroke-
Linecap="round" stroke-linejoin="round" stroke-width="2" class="w-6
h-6" viewBox="0 0 24 24">
            <path d="M20 21v-2a4 4 0 00-4-4H8a4 4 0 00-4
4v2"></path>
            <circle cx="12" cy="7" r="4"></circle>
        </svg>
    </div>
    <h2 class="text-lg text-gray-900 font-medium title-
font mb-2">AKGEC Edumarshal</h2>
    <p class="leading-relaxed text-base">AKGEC Portal to
manage your College data</p>
    <br />
    <a class="text-gray-600 hover:text-gray-800"
href="https://beta.edumarshal.com/" target="_blank">Click here to
visit Edumarshal</a>
    </div>
    </div>
    </div>
</div>
</section>

<hr />

<section class="text-gray-600 body-font">
    <div class="container px-5 py-24 mx-auto">
        <div class="flex flex-col text-center w-full mb-20">
            <h1
                class="text-2xl font-medium title-font mb-4 text-gray-
900 tracking-widest"
            >
                OUR TEAM
            </h1>
            <p class="lg:w-2/3 mx-auto leading-relaxed text-base">
                When the ideas are coming, we don't stop until the ideas
stop because that train doesn't come along all the time.
            </p>
        </div>
        <div class="flex flex-wrap -m-4">
            <div class="p-4 lg:w-1/2">
                <div
                    class="h-full flex sm:flex-row flex-col items-center
sm:justify-start justify-center text-center sm:text-left"
                >
                    
<div class="flex-grow sm:pl-8">
    <h2 class="title-font font-medium text-lg text-gray-900">
        Aradhyaa Priyadarshi
    </h2>
    <h3 class="text-gray-500 mb-3">MERN Developer</h3>
    <p class="mb-4">
        If there was an observer on Mars, they would
        probably be amazed that we have survived this long.
    </p>
    <span class="inline-flex">
        <a class="text-gray-500"
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      900">
        Harsh Tiwari
      </h2>
      <h3 class="text-gray-500 mb-3">Designer</h3>
      <p class="mb-4">
        If you're teaching today what you were teaching
        five years ago, either the field is dead or you are.
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```

```

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                Contact Us
            </h1>
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                If you're having any issue regarding the contents of
this page,
                please do e-mail us for faster resolution !
            </p>
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Us%20">aradhyaaa@hotmail.com</a>
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                47, Shyamanagar Colony <br />KKM, Varanasi, UP
221106
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```

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sm:border-gray-200 sm:py-2 sm:mt-0 mt-4"
>
  © 2022 Aradhya Priyadarshi –
  <a
    href="https://twitter.com/AradhyA360"
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    rel="noopener noreferrer"
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CONCLUSION

By using Existing System accessing information from files is a difficult task and there is no quick and easy way to keep the records of students and staff. Lack of automation is also there in the Existing System. The aim of Our System is to reduce the workload and to save significant standard time.

Title of the project as EduSync Pro - CollegeERP System is the system that deals with the issues related to a particular institution. It is very useful to the student as well as the faculties to easily access to finding the details. The college ERP provides appropriate information to users based on their profiles and role in the system. This project is designed keeping in view the day to day problems faced by a college system.

The fundamental problem in maintaining and managing the work by the administrator is hence overcome. Prior to this it was a bit difficult for maintaining the time table and also keeping track of the daily schedule. But by developing this web-based application the administrator can enjoy the task, doing it easily and also by saving the valuable time. The amount of time consumption is reduced and also the manual calculations are omitted, the reports can be obtained regularly and also whenever on demand by the user. The effective utilization of the work, by proper sharing it and by providing the accurate results. The storage facility will ease the job of the operator. Thus the system developed will be helpful to the administrator by easing his/her task.

This System provides the automated admissions no manual processing is required. This is a paperless work. It can be monitored and controlled remotely. It reduces the man power required. It provides accurate information always. All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management providing the accurate results. The storage facility will ease the job of the operator. Thus the system developed will be helpful to the administrator by easing his/her task providing the accurate results. The storage facility will ease the job of the operator.

This project is successfully implemented with all the features and modules of the college management system as per requirements.

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