

# **COLLEGE MANAGEMENT SYSTEM**

## **A MINI PROJECT REPORT**

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*In partial satisfaction of the requirements for the degree of*

**BACHELOR OF TECHNOLOGY**

in

**COMPUTER SCIENCE & ENGINEERING**  
**With specialization in Computing Technology**



**SCHOOL OF COMPUTING**  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**KATTANKULATHUR - 603203**

**APRIL 2023**



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## BONAFIDE CERTIFICATE

Certified that this project report “ **College Management System**” is the bonafide work of “**Manu Srivastava (RA2011003010150) and Prastuti Sandilya Sarma(RA2011003010164)**” of III Year/VI Sem B.tech(CSE) who carried out the mini project work under my supervision for the course 18CSC303J- Database Management systems in SRM Institute of Science and Technology during the academic year 2022-2023(Even sem).

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## ABSTRACT

College Data Management System gives a straightforward interface to support understudy data, staff information, attendance, fee record. It very well may be utilized by instructive establishments or schools to keep up the records of understudies without any problem. The creation and the execution of exact, modern data with respect to an understudies' scholastic profession is fundamentally significant in the college just as universities. Understudy data framework manages all sorts of understudy subtleties, scholarly related reports, school subtleties, course subtleties, educational program, cluster subtleties, position subtleties and other asset related subtleties as well. It will likewise have workforce subtleties, clump execution subtleties, understudies' subtleties in all perspectives, the different scholastic notices to the staff and understudies refreshed by the school organization. The client can update student, staff records and eliminate them effectively through the administrator. The approach of college ERP software has several benefits. It has one username credential for all the processes connected to that college. In addition, it analyzes the captured data in different modules within the software. A college management system abstract is a summary or overview of a software application that is designed to automate and streamline various administrative tasks in a college or university, such as student registration, fee management, timetable creation, attendance tracking, and exam management.

It provides a simple interface for maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, up-to-date information regarding a students' academic career is critically important in the university as well as colleges. Student information system deals with all kinds of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It will also have faculty details, batch execution details, students' details in all aspects, the various academic notifications to the staff and students updated by the college administration. It also facilitate us explore all the activities happening in the college. Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college. The placement officer is responsible for updating the placement related information like eligible criteria for a particular company, arriving date for the company which is coming for recruitment, the list of students who are eligible for attending the recruitment process. E-Library (also referred to as digital library) is a special library with a focused collection of digital objects.

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## ABBREVIATIONS

<b>CSS</b>	Cascading Style Sheet
<b>CV</b>	Computer Vision
<b>DB</b>	Data Base
<b>SQL</b>	Structured Query Language
<b>ER</b>	Entity relationship
<b>UI</b>	User Interface

# CHAPTER 1

## INTRODUCTION

### 1.1 INTRODUCTION

With the popularization in all kinds of schools and education management departments at all levels, the information construction of education management has entered a new stage of development. The campus network based on Internet technology has gradually broken the original closed and independent mode of education management and started to transform to an interconnected and open system . However, the current research on teaching management information systems has begun to take shape, but the actual application is still in its infancy . In addition to the insufficient investment in education funds and the weak basic environment of school information, the main reasons are as follows: The lack of standards for teaching management information system results in great data redundancy and waste of resources, which makes it difficult to realize resource sharing and system interoperability; or just standardizing data cannot solve the problem of interoperability between different systems.

Many original independent teaching management information systems have made outstanding contributions to the scientization of education management. However, due to the mutual closure and independent operation of teaching, finance, personnel, equipment, scientific research, and other single management systems developed in different periods and departments, it not only causes great data redundancy and resource waste but also makes it difficult to realize information sharing through the network .

If school leaders and education administrators do not have the awareness of modern information management and lack of understanding of the role and characteristics of modern information management, they will not pay attention to and care about the development and use of teaching management information system, which will bring about insurmountable obstacles to the development and application of the system .



Recently, some schools even have established a relatively perfect teaching management information system, but, due to the defects of some managers in consciousness, ability, and other aspects, as well as the role of conservative factors in the work process, the teaching management information system cannot be fully used and developed.

## 1.2 PROBLEM STATEMENT

The College Management System Project, In PHP was developed using PHP Programming and MySQL Database as the system's Back-End. PHP, JavaScript, and CSS are used to create this College Management System. When it comes to the system's functionality, it has a user and administrator part. The administrator can access all of the enrolled students and registered teachers records on this page. You can also change or delete any information as needed.

This College Management System Project, In PHP and MySQL design is simple enough that the user will have no difficulty working on it. This PHP system facilitates the management of various student records.

Some common challenges faced by college management systems include:

- **Data management:**

Managing large amounts of data related to students, faculty, courses, and other administrative tasks can be a daunting task for college management systems.

- **Communication:**

Effective communication between different departments and stakeholders is essential for smooth functioning of the college management system. However, communication breakdowns can lead to delays and errors.

- **Security:**

College management systems deal with sensitive information such as student records and financial data. Ensuring the security of this information is crucial to maintain the trust of stakeholders.

- **Integration:**

College management systems need to integrate with various other systems such as financial management, library management, and learning management systems. Integration challenges can arise due to differences in technology and data formats.

- **User adoption:**

College management systems are only effective if they are used by all stakeholders. However, getting all stakeholders to adopt a new system can be a challenge, especially if they are used to working with legacy systems.

These are just a few examples of the challenges faced by college management systems. Overcoming these challenges requires a combination of technology, process, and people skills.

## 1.3 OBJECTIVE

This system provides the detailed structure of the college campus and its departments. College Management System and synchronizes the working of all the departments. It looks at all aspects of a college, its students, faculties, Departments, marks and other co – curricular activities. CMS is the easiest way to manage all functionalities of a college.

College Management Software is a simple yet powerful one joint integrated platform that connects all the various departments of an institution like Administration, Attendance, Staff details and many more specialized modules. The College Management System provides one attractive environment where you can manipulate data and information about students and staff easily. So we can say the Core purpose of designing “College Management System” is to manage the tasks related to the college students/employees and to reduce time to searching for appropriate candidates in college view.

## 1.4 SCOPE OF THE PROJECT

Digital transformation is the new reality of this modern world. Besides industries such as The manufacturing, corporate, banking, and commerce education domain has new challenges and it's of paramount importance to address the evolving needs of this domain. The college management system helps Educational Institutions especially colleges in various ways, such as storing data, maintaining student profiles, analyzing administrative and academic data, improving communication, and engaging students.

The College Management System is the ultimate solution to digitize and streamline the day-to-day operations of colleges and universities. From student enrolment system to admission management and online classes management to finance management and human resource management, as well as every other process of college operations. It also digitizes routine work of the campus such as student attendance management system, student record management system, student profile management system, student record keeping system, student mark management system, student fee management, and other small and big operations.

This project deals with the various functions in the College management process. The main idea is to implement a proper process to the system. Our existing system contains many operations: registration, student search, fees, attendance, exam records, performance of the student etc. All these activities are taken out manually by the administrator.

## 1.5 General and Unique Services in the database application

The general services offered by a college management system in a database application include student data management, course management, faculty management, attendance tracking, and grade management. On the other hand, the unique services offered by a college management system may vary depending on the specific needs of the institution. Some examples of unique services include alumni management, financial aid management, scholarship management, and student housing management. A college management system is an ERP solution that enables the institutes to conduct online admissions, generate reports, create ID cards, enable online communication, manage curriculum, time tables and conduct online evaluations, track student progress, conduct data analysis, teach remotely, and handle inquiries. A student database management system manages, organizes and analyzes student data regarding attendance, exam results, homework, assignments, etc. Teachers can use these reports to study the students' performance and give them meaningful feedback.

## 1.6 SOFTWARE REQUIREMENTS SPECIFICATION

A software requirement specification for a college management system is a document that outlines the functional and non-functional requirements of the software. It includes details about the features, performance, security, usability, and other aspects of the system that need to be considered during the development process. The key features that should be included in a college management system SRS are student management, faculty management, course management, attendance management, timetable management, examination management, result management, library management, hostel management, and finance management.

Developing a college management system SRS (Software Requirements Specification) can be a challenging task. Some of the key challenges that developers face in this process include:

1. **Gathering accurate requirements:** It can be difficult to gather accurate and complete requirements from all stakeholders involved in the college management system. This can lead to misunderstandings and gaps in the SRS.
2. **Defining the scope:** Defining the scope of the college management system can be a challenge, as it involves identifying all the features and functionalities that need to be included in the SRS.
3. **Ensuring scalability:** The college management system should be designed to accommodate future growth and changes. This can be a challenge, as it requires anticipating future needs and designing the system accordingly.
4. **Integration with existing systems:** If the college already has existing systems in place, integrating the new college management system with these systems can be a challenge.
5. **Security and privacy concerns:** The college management system will contain sensitive data about students, faculty, and staff. Ensuring the security and privacy of this data can be a challenge, as it requires implementing appropriate security measures.

In order to overcome these challenges, developers should work closely with stakeholders to gather accurate requirements, define the scope of the system, design for scalability, plan for integration with existing systems, and implement appropriate security measures.

## CHAPTER 2

### LITERATURE SURVEY

#### 2.1 EXISTING SYSTEM

- The main problem projected is that pupil's particulars are reported manually in distinct records, which is a laborious job. Handling and updating these records manually increases the chances of mistakes. It takes a lot of time and needs many employees to accomplish the task. It even lacks security and disability to produce various types of reports.
- They imply a high entry barrier for educators and students who have to learn the new tools. This is a well-known problem related to the usage of IT solutions as education-supporting elements

##### DISADVANTAGES OF EXISTING SYSTEM:

- No User Friendly
- Manual Operation
- No Security Features
- HIGHER education is characterized by "the tension between the offered quality and the drive to provide affordable higher education to more and more people
- Also, SOA and Grid solutions, as with many other computing technologies, require certain hardware and software infrastructure to be set up before they can be used for lab assignments. This demands specialized technical skills from both professors and students to set up the experimental environment. These tasks often distract students from the real goals of the course since they are focusing their effort on peripheral tasks more related to system administration than to the course topics.

## 2.2 COMPARISON BETWEEN EXISTING AND PROPOSED SYSTEM

- This is a web-related application that permits us to approach the entire knowledge regarding the college, employees, students, faculties etc. This application is also called the College management system. It offers an actual trip to the college campus. Here we would gain the recent knowledge regarding the students and employees. This general application planned for aiding the students of an organization about details on the courses, subjects, classes, assignments, grades and time-table. It also allows the faculty to know his time-table, upload assignments and issue circulars to the pupil. The administrator would maintain the accounts of the pupil and staff, prepare the time-table and upload the current information regarding the campus.
- In order to solve these problems, a new system has been created that attempts to operate the whole procedure considering the database integration approach.

### ADVANTAGES OF PROPOSED SYSTEM:

- Several controls help the application to be friendly to the users.
- The entire project maintenance is made simpler and more adaptable.
- Internet access is possible.
- Several tiers have been employed to offer file upload and mail characteristics.
- During the process of project progression, there is no chance of data mishandling.
- It offers a great degree of security employing various protocols.



## CHAPTER 3

### SYSTEM ARCHITECTURE AND DESIGN

#### 3.1 ARCHITECTURE DIAGRAM

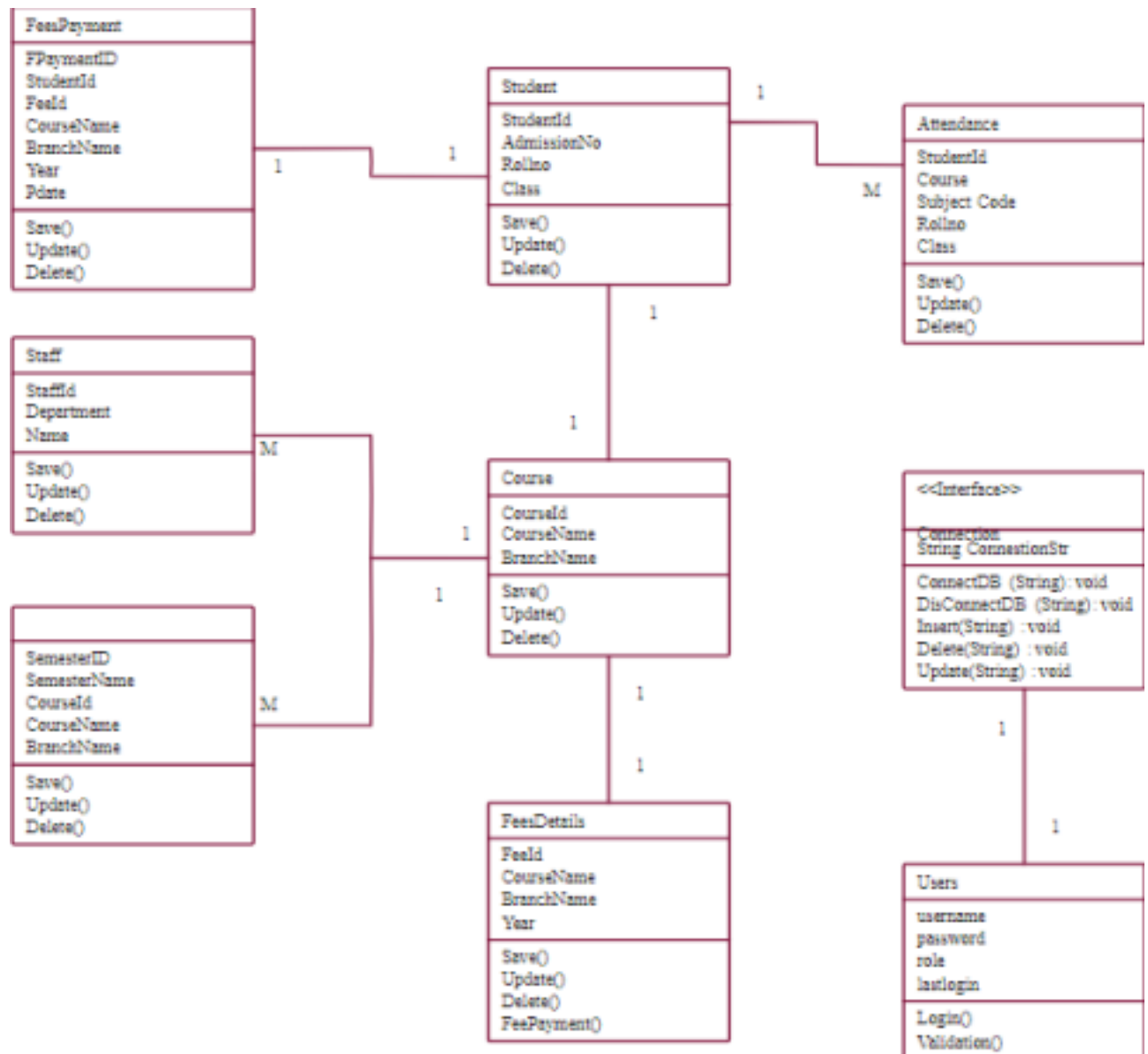


Fig:3.1

### 3.1.1 FRONT END (UI) DIAGRAM

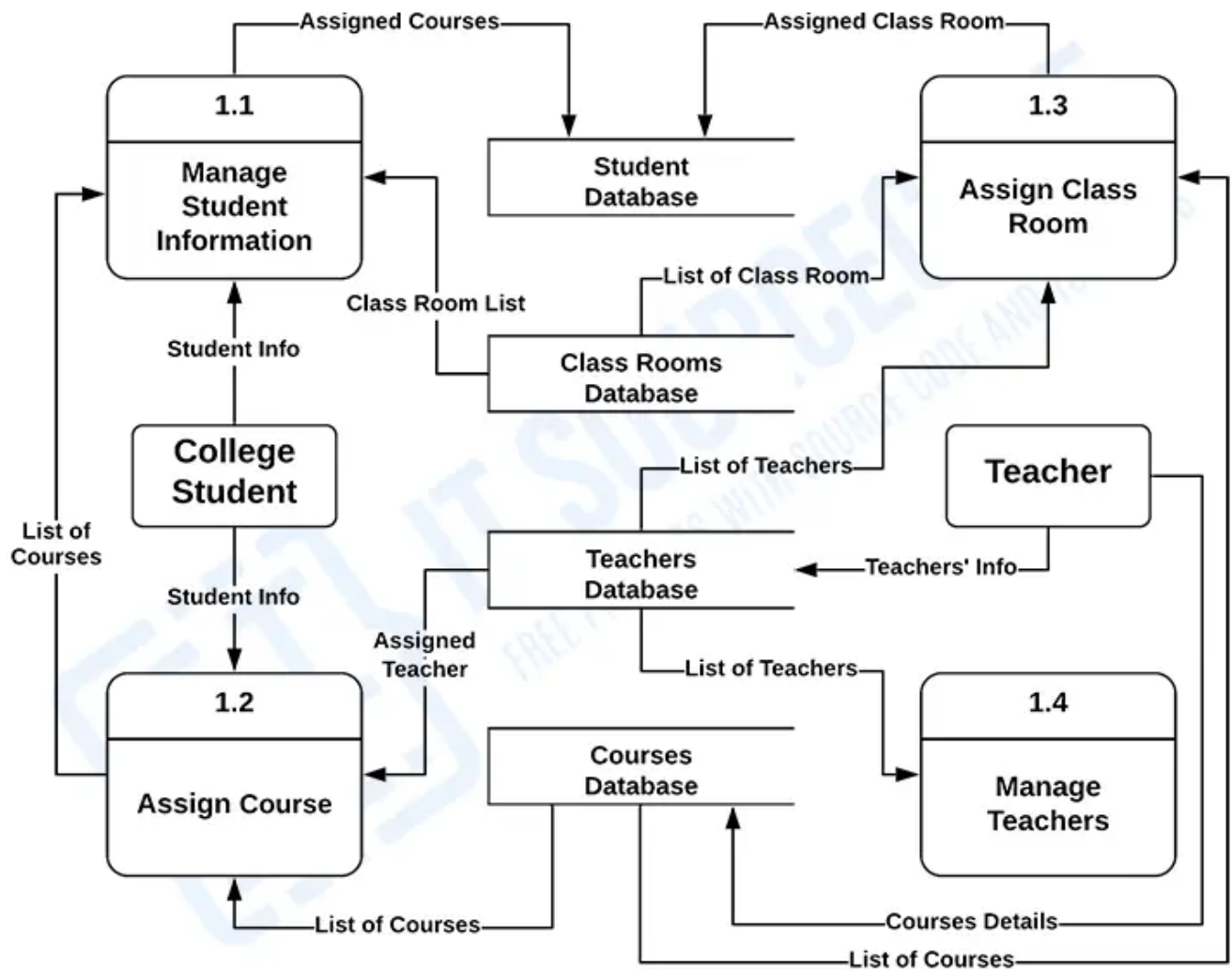
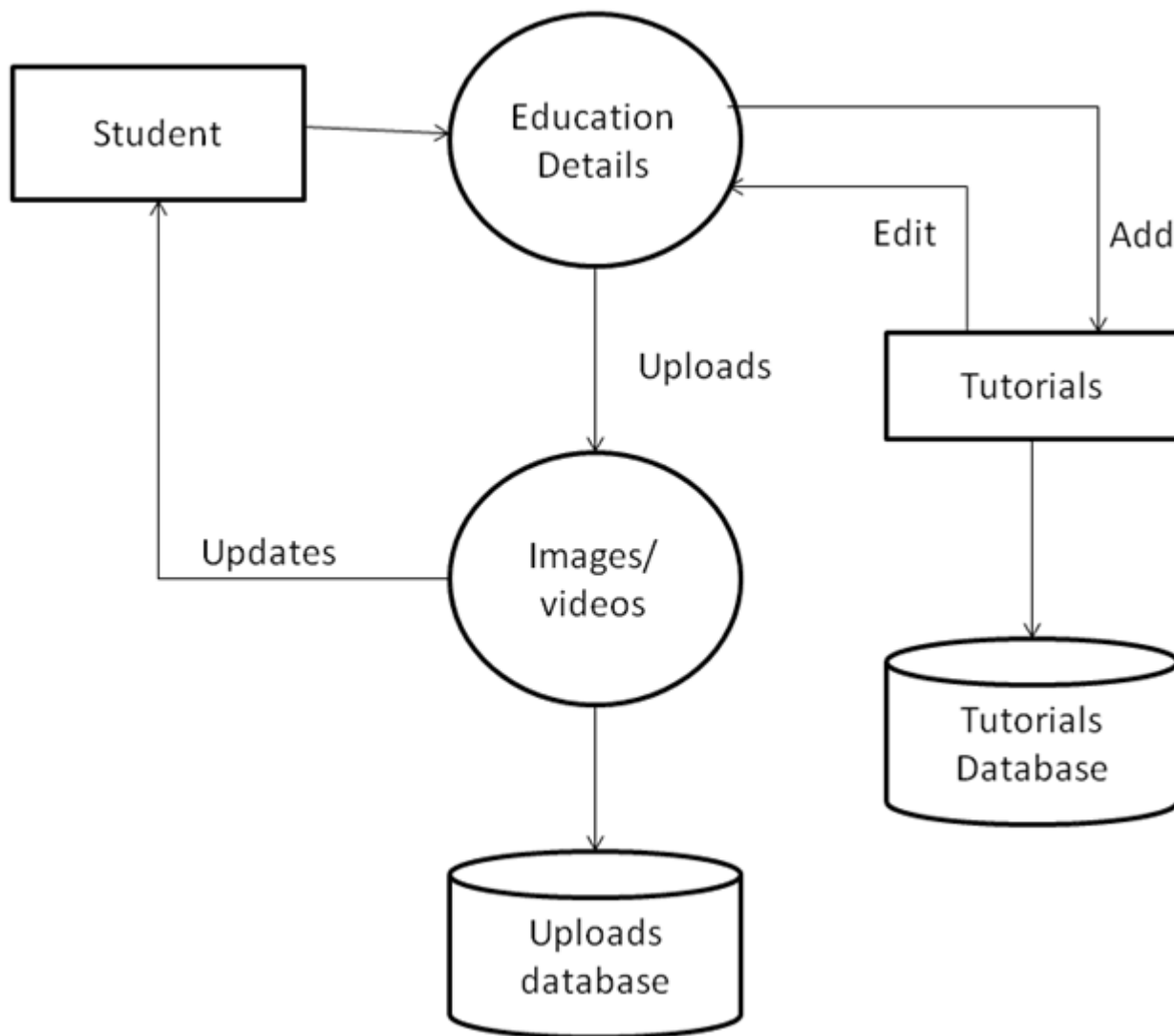


Fig:3.2

### 3.1.2 BACK END (DATABASE) DIAGRAM



**Fig:3.3**

## 3.2 ER DIAGRAM AND USE CASE DIAGRAM

### ENTITY RELATIONSHIP DIAGRAM :

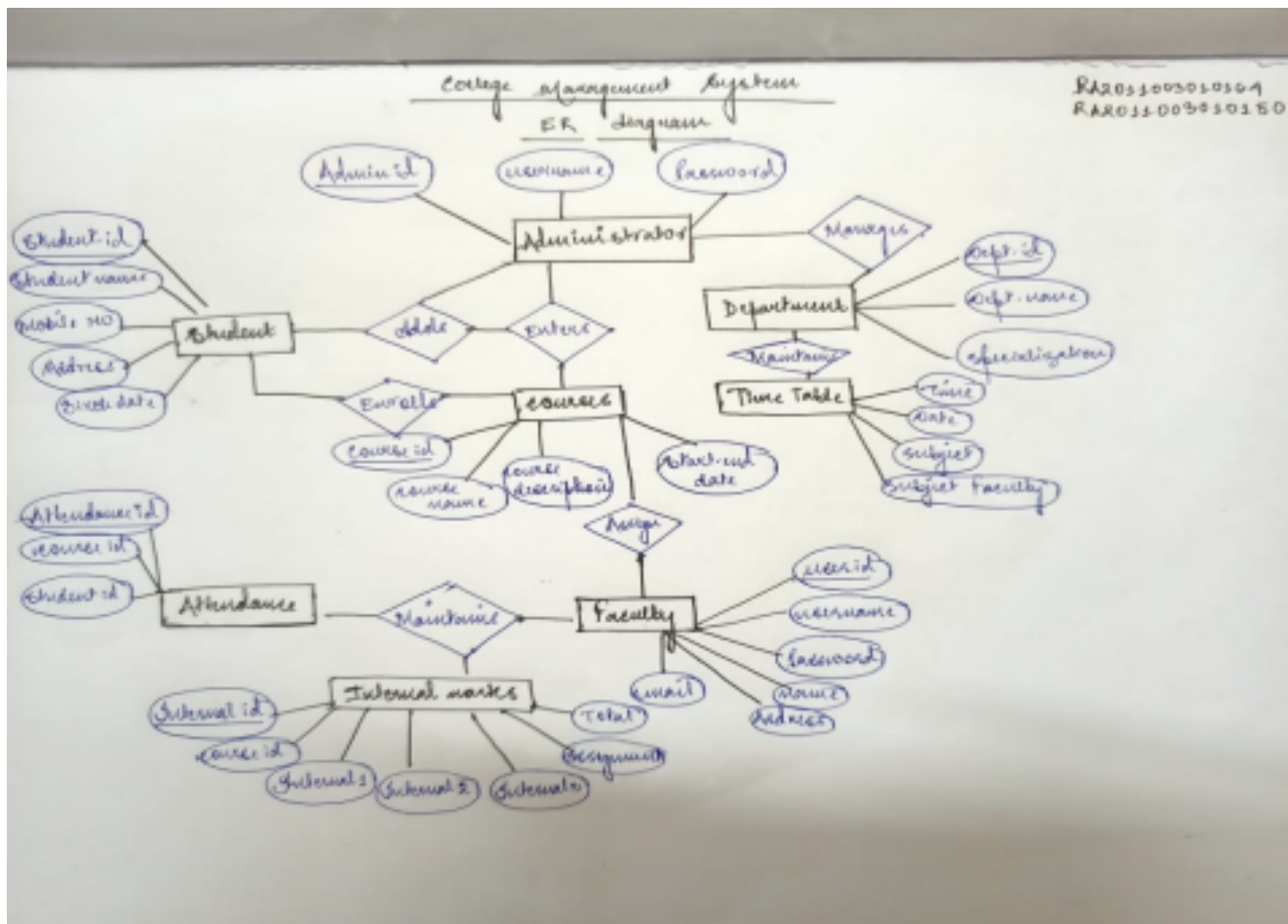


Fig:3.4

## USE CASE DIAGRAM:

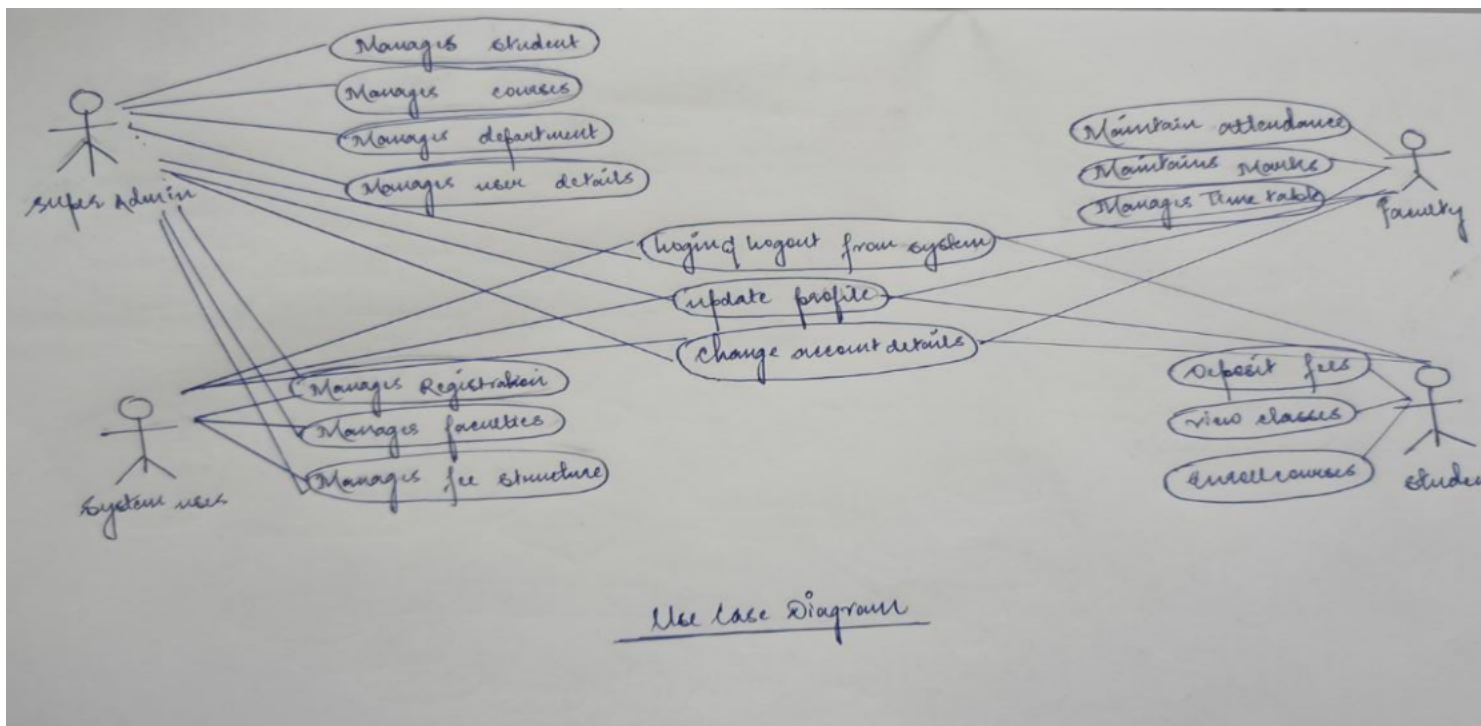


Fig:3.5

## **CHAPTER 4**

### **MODULES AND FUNCTIONALITIES**

#### **4.1 MODULE DESCRIPTION**

The College Management System is composed of several modules, each of which is designed to manage a specific administrative function. The modules included in this system are as follows:

**Student Registration Module:** This module manages the entire student registration process, from collecting and storing student data to issuing student ID cards and generating enrollment certificates.

**Course Management Module:** This module manages the creation and scheduling of courses, including course offerings, course descriptions, and prerequisites.

**Faculty Management Module:** This module manages faculty data, including faculty appointments, course assignments, and faculty evaluations.

**Exam Management Module:** This module manages the scheduling and administration of exams, including exam schedules, exam locations, and exam results.

**Finance Management Module:** This module manages the financial operations of the college, including student fee management, payroll management, and budgeting.

**Library Management Module:** This module manages the college's library, including the acquisition and management of library materials, book checkouts, and library fine management.

**Hostel Management Module:** This module manages the hostel facilities of the college, including hostel room assignments, hostel fee management, and hostel maintenance.

Each module is designed to work seamlessly with the others, providing a comprehensive platform for managing all aspects of a college or university's administrative functions. With the College Management System, educational institutions can improve their overall efficiency, reduce administrative costs, and enhance the learning experience for students.

**Login:** The login page is only used by the authority or admin.

**Admission:** The admission form can be filled by the student who wants to register him/herself. And after admission is complete, the details can be stored in a database.

**Student Search:** The student search form is only designed for the searching particular student or details about the student.

**Fees:** The fees module is only accessible for the admin .The details about the fees detail is contain in this module

**Attendance:** This module displays the attendance record of the student and also displays the defaulter's list.

**Notification:** Notification module only used for adding notification,start date and time. This acts as a small alarm system for any task i.e. submission, examination time- table etc.

**Help:** The help can be provided by any application help.

## 4.2 DATABASE TABLE

Table name	Purpose
	Admin table contains password and user name field.
<b>2.admission</b>	Admission table contains student details like name, dob, address etc.
<b>3.notification</b>	Notification table contains notification details.
<b>4.performance</b>	Performance table contains the performance details about the student.
<b>5.studenttable</b>	The Student Table table holds the stud id.
<b>6.fees</b>	Fees table contains the fees details of the students.



## 4.3 CONNECTIVITY USED FOR DATABASE ACCESS

Some connectivity options used for accessing the database in a college management system include:

1. JDBC (Java Database Connectivity): This is a Java-based API that allows Java applications to connect to a wide range of databases, including MySQL, Oracle, and Microsoft SQL Server.
2. ODBC (Open Database Connectivity): This is a standardized API that allows applications to connect to a wide range of databases, including Microsoft SQL Server, Oracle, and MySQL.
3. ADO.NET (ActiveX Data Objects .NET): This is a data access technology used by Microsoft .NET Framework applications to connect to a wide range of databases, including Microsoft SQL Server, Oracle, and MySQL.
4. ORM (Object-Relational Mapping) frameworks: These frameworks provide an abstraction layer between the application and the database, allowing developers to work with objects rather than SQL. Examples include Hibernate (for Java) and Entity Framework (for .NET).
5. Web services: These can be used to expose database functionality over the web, allowing applications to access the database remotely using standard web protocols such as HTTP and SOAP

The choice of connectivity option will depend on factors such as the programming language used, the type of database being accessed, and the specific requirements of the college management system.

# CHAPTER 5

## CODING AND TESTING

Admin page

```
<?php
```

```
session_start();
$username="";
if($_SESSION["key"]!=""){
    $username=$_SESSION["key"];
}
else{
    header("Location:index.php");
}

if(isset($_POST['submit_notice'])){
    include("connect_db.php");
    $titledata=$_POST['title'];
    $descriptiondata=$_POST['description'];
    if($titledata!="" || $descriptiondata!=""){
        $query="Insert into notice(post_by,title,description)
value('$username','$titledata','$descriptiondata');";
        $result=mysqli_query($sql,$query);
        if(mysqli_affected_rows($sql)>0){
            echo "<script> alert('Done') </script>";
        }
    }
    else{
        echo "<script> alert('Fill all blocks') </script>";
    }
}
```

```
if (isset($_POST['upload_doc'])) {
    $uploadOk=0;
    if (isset($_FILES['file1'])) {
        $fname=$_FILES['file1']['name'];
        $tmp=$_FILES['file1']['tmp_name'];
        $type=$_FILES["file1"]["type"];
        $size=$_FILES["file1"]["size"];
        $modal="uploads/$fname";

        if($type != "image/jpeg" && $type != "image/png" && $type != "image/jpg"
        && $type != "image/gif" ) {
            echo "<script>alert('Sorry, only JPG, JPEG, PNG & GIF files are
allowed.')</script>";
        }
    }
}
```

```
$uploadOk = 0;
```

```
}
```

```
if ($size>800000) {
    echo "<script>alert('file size error')</script>";
}
```

```

        $uploadOk=0;
    }
    else{
        $x=move_uploaded_file($tmp,"uploads/".$fname1);
        $uploadOk=1;
    }
    }
    else{
        echo "<script>alert('Please fill upload')</script>";
        $uploadOk=-1;
    }
    if ($uploadOk==1) {
        echo "<script>alert('file uploaded succesfully')</script>";
    }
    else if($uploadOk==0){
        echo "<script>alert('file init failed')</script>";
    }
}

```

```

?>
<!DOCTYPE html>
<html>
<head>
    <title></title>
    <link rel="stylesheet" href="mystyle.css" />
    <link rel="stylesheet" type="text/css" href="bootstrap-4.3.1-dist/css/bootstrap.css"/>
</head>
<body>
    <?php
        include("Navbar.php");
    ?>
    <div class="container mt-3">
        <h3> Hello, <?php echo "". $username; ?> </h3>
    </div>
    <div class="container mt-4" style="height: 100vh">
        <div class="row">
            <div class="col-md-8">
                <h6>Broadcast notice</h6>
                <div class="bg-primary">
                    <form method="post" class="table-responsive p-3">
                        <input type="text" class="form-control" name="title"
placeholder="Add title">
                        <textarea name="description" class="mt-4 form-control"
placeholder="Add description"></textarea>
                        <input type="submit" name="submit_notice" class="mt-4
btn btn-success" name="post_button" value="Broadcast">
                    </form>
                </div>
            </div>
            <div class="col-md-4">

```

```

        <h6>Add material</h6>
        <div class="bg-secondary">
            <form method="post" class="embed-responsive p-3"
enctype="multipart/form-data">
                <input type="text" class="form-control" name="title"
placeholder="Add title">
                <textarea name="description" class="mt-4 form-control"
placeholder="Add description"></textarea>
                <input type="file" class="mt-4 form-control" name="file1"
required="" required="">
                <input type="submit" name="upload_doc" class="mt-4
btn btn-primary" value="Upload">
            </form>
        </div>
    </div>
</div>
</div>
</div>
<?php
    include("Footer.php");
?>

```

```

</body>
<script type="text/javascript" src="JQuery/jquery-3.3.1.js"></script>
<script type="text/javascript" src="bootstrap-4.3.1-dist/js/bootstrap.js"></script>
</html>

```

~

```

<!DOCTYPE html>
<html>
<head>
    <title></title>
    <link rel="stylesheet" href="mystyle.css" />
    <link rel="stylesheet" type="text/css" href="../bootstrap-4.3.1-dist/css/bootstrap.css"/>
</head>
<body>

<?php
    include("../Navbar.php");
    include("../connect_db.php");

?>
<!-- Body 1-->
<div class="container mt-3" style="height: 105vh">
    <div class="row">
        <?php
            $query="Select * from notes where subject_name='AI'";
            $result=mysqli_query($sqli,$query);
            if(mysqli_num_rows($result)>0){
                while ($row=mysqli_fetch_array($result)) {

```

```

        ?>
        <div class="col-md-4 mt-3">
            <div class="card h-100">
                <div class="card-title h-50">
                    <center> <?php echo "". $row['content']; ?> </center>
                </div>
                <div class="card-body">
                    <center><a href='<?php echo "". $row['location']; ?>' target="_blank" class="btn btn-
primary">OPEN</a></center>
                </div>
            </div>
        </div>

        <?php
            }
        }

    ?>
</div>
</div>

```

<!-- End of Body -->

```

<?php
    include("../Footer.php");
?>

</body>
<script type="text/javascript" src="../JQuery/jquery-3.3.1.js"></script>
<script type="text/javascript" src="../bootstrap-4.3.1-dist/js/bootstrap.js"></script>

</html>

```

Table structure for table `admin`

```

--
DROP TABLE IF EXISTS `admin`;
CREATE TABLE IF NOT EXISTS `admin` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
--
-- Dumping data for table `admin`
-- INSERT INTO `admin` (`id`,`username`,`password`) VALUES
(1, 'test@gmail.com', '12345678');

```

```

--
-- Table structure for table `notes`
--
DROP TABLE IF EXISTS `notes`;
CREATE TABLE IF NOT EXISTS `notes` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `subject_name` varchar(255) NOT NULL,
  `content` varchar(255) NOT NULL,
  `location` varchar(255) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=16 DEFAULT CHARSET=latin1;

--
-- Dumping data for table `notes`
--
INSERT INTO `notes` (`id`, `subject_name`, `content`, `location`) VALUES
(1, 'AI', 'What is Artificial Intelligence?, Goals of Artificial Intelligence,What Comprises to Artificial Intelligence? ,Advantages of Artificial Intelligence,Disadvantages of Artificial Intelligence and more', '../upload/AI_POONAM/1.pdf'),
(2, 'NLP', 'What is NLP?, History, How its work.', '../upload/NLP_MEENA/Lecture1.pdf'),
(3, 'AI', 'PEAS Represent, Agent', '../upload/AI_POONAM/2.pdf'),
(4, 'AI', 'Search Algorithms in Artificial Intelligence', '../upload/AI_POONAM/2.1.pdf'),
(5, 'AI', 'Search Algorithms in Artificial Intelligence Part-2', '../upload/AI_POONAM/2.2.pdf'),
(6, 'AI', 'Knowledge-Based Agent in Artificial intelligence', '../upload/AI_POONAM/3.1.pdf'),
(7, 'NLP', 'Components of NLP', '../upload/NLP_MEENA/Lecture2.pdf'),
(8, 'NLP', 'How to implement NLP', '../upload/NLP_MEENA/Lecture3.pdf'),
(9, 'NLP', 'Components of NLP', '../upload/NLP_MEENA/Lecture4.pdf'),
(10, 'NLP', 'Why is NLP Hard?', '../upload/NLP_MEENA/Notes5.pdf'),
(11, 'NLP', 'Corpus, Element of corpus', '../upload/NLP_MEENA/Note6.pdf'),
(12, 'NLP', 'Example of Corpus', '../upload/NLP_MEENA/Note7.pdf'),
(13, 'NLP', 'Regular expressions', '../upload/NLP_MEENA/Note8.pdf'),
(14, 'NLP', 'Finite State Automata', '../upload/NLP_MEENA/Note9.pdf'),
(15, 'NLP', 'Concept of Parser', '../upload/NLP_MEENA/Note10.pdf');

--
-- Table structure for table `notice`
--
DROP TABLE IF EXISTS `notice`;
CREATE TABLE IF NOT EXISTS `notice` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `post_by` varchar(255) NOT NULL,
  `title` varchar(255) NOT NULL,
  `description` varchar(255) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=4 DEFAULT CHARSET=latin1;

--
-- Dumping data for table `notice`
--
INSERT INTO `notice` (`id`, `post_by`, `title`, `description`) VALUES
(1, 'admin', 'fees pending', 'pay fees before 28 oct'),
(3, 'test@gmail.com', 'send fees slip', 'who have submitted their fees send their fees slip to their respected class CR');

--
-- Table structure for table `sysllabus`
--
DROP TABLE IF EXISTS `sysllabus`;

```

```

CREATE TABLE IF NOT EXISTS `sysllabus` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `subject_name` varchar(255) NOT NULL,
  `year` varchar(255) NOT NULL,
  `location` varchar(255) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
--
-- Dumping data for table `sysllabus`
--
INSERT INTO `sysllabus` (`id`, `subject_name`, `year`, `location`) VALUES
(1, 'C', '2017', '../upload/Sysllabus/c.pdf'),
(2, 'C', '2019', 'null');
--
-- Table structure for table `top_contributor`
--
DROP TABLE IF EXISTS `top_contributor`;
CREATE TABLE IF NOT EXISTS `top_contributor` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(255) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
--
-- Dumping data for table `top_contributor`
--
INSERT INTO `top_contributor` (`id`, `username`) VALUES
(1, 'Jaspreet Singh'),
(2, 'Adam'); COMMIT;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */

```

~Contact Us

```

<!DOCTYPE html>
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="mystyle.css" />
  <link rel="stylesheet" type="text/css" href="bootstrap-4.3.1-dist/css/bootstrap.css"/>
</head>
<body>
  <?php
    include("Navbar.php");
  ?>
  <div class="row p-4" style="width: 100%;height: auto;">
    <div class="col-md-4">
      <div class="card p-5">
        <div class="card-img-top">
          
        </div>
        <h5 class="card-text">Mr. Elon Musk</h5>
      </div>
    </div>
  </div>

```

```

        <p>Dean</p>
        <p>Computer Science Engineering</p>
        <p>XXXXXXXXXXXX</p>
    </div>
</div>
<div class="col-md-4">
<div class="card p-5">
    <div class="card-img-top">
        
    </div>
    <h5 class="card-text">Miss. Kiran</h5>
    <p>HOD</p>
    <p>Computer Science Engineering</p>
    <p>XXXXXXXXXXXX</p>
</div>
</div>
<div class="col-md-4">
<div class="card p-5">
    <div class="card-img-top">
        
    </div>
    <h5 class="card-text">Jaspreet Singh</h5>
    <p>Admission Cell</p>
    <p>Code Snippet University</p>
    <p>XXXXXXXXXXXX</p>
</div>
</div>
<div class="col-md-4">
<div class="card p-5">
    <div class="card-img-top">
        
    </div>
    <h5 class="card-text">Jaspreet Singh</h5>
    <p>Developer</p>
    <p>Computer Science Engineering</p>
    <p>XXXXXXXXXXXX</p>
</div>
</div>
</div>

<?php
    include("Footer.php");
?>

```

```

</body>
<script type="text/javascript" src="jQuery/jquery-3.3.1.js"></script>
<script type="text/javascript" src="bootstrap-4.3.1-dist/js/bootstrap.js"></script>
</html>

```



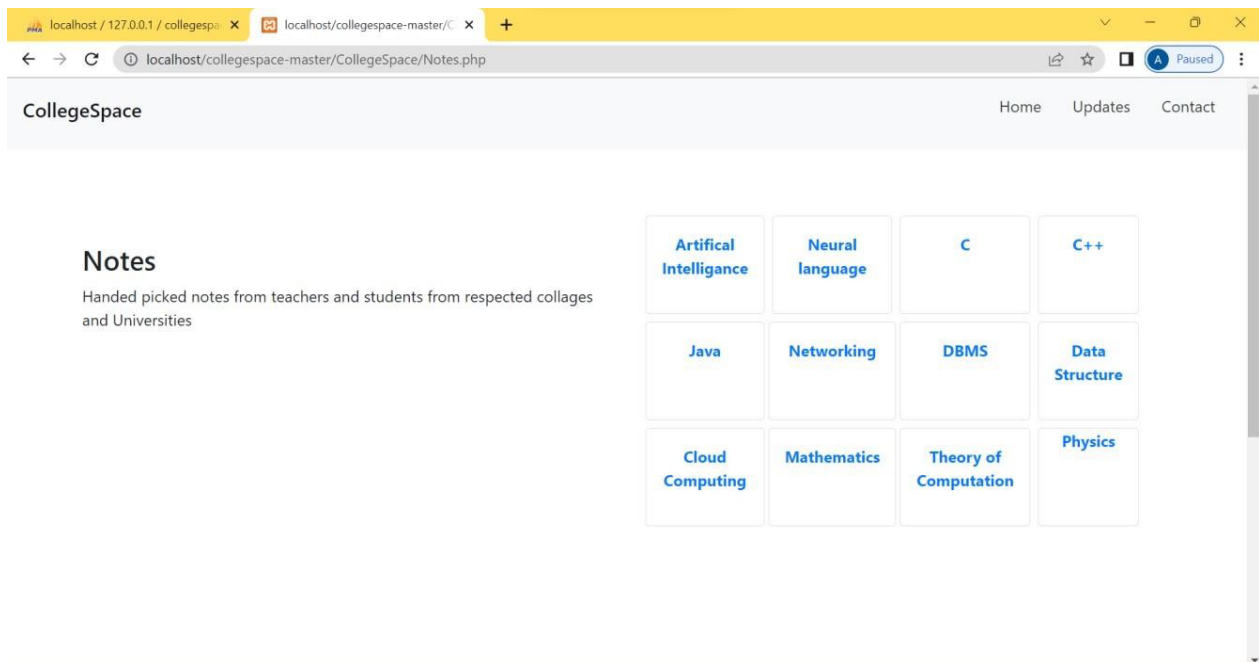
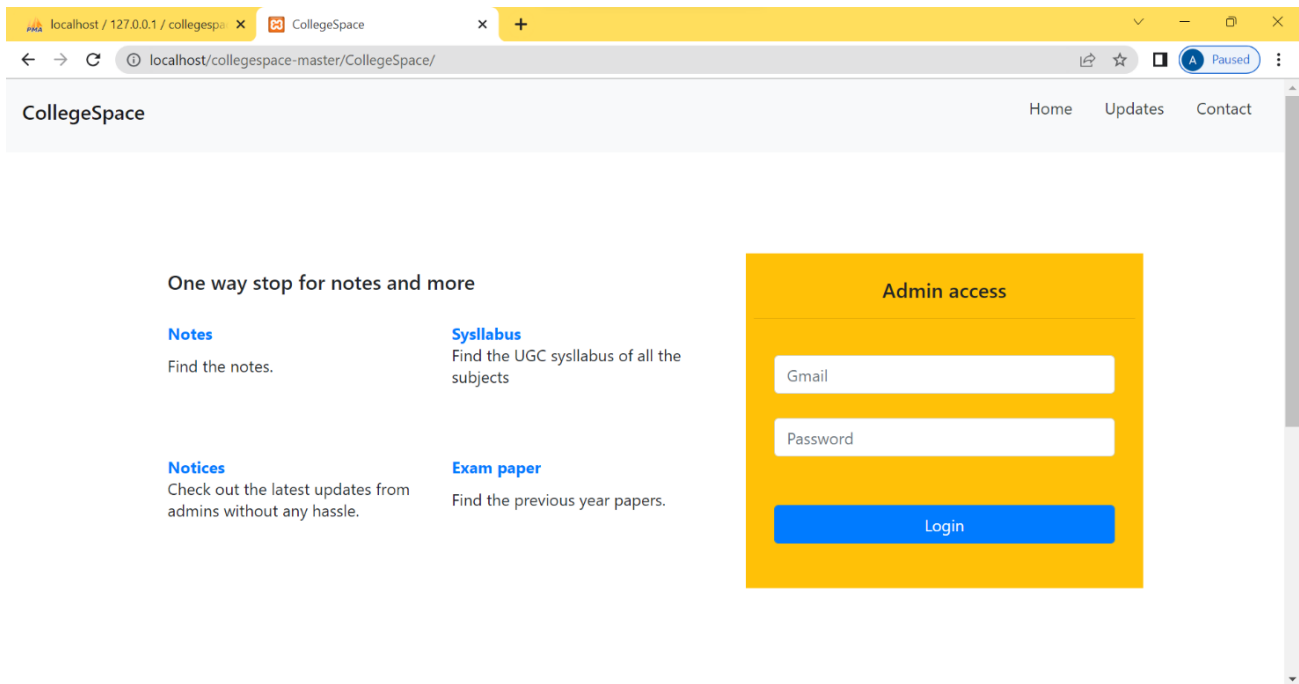
## TESTING

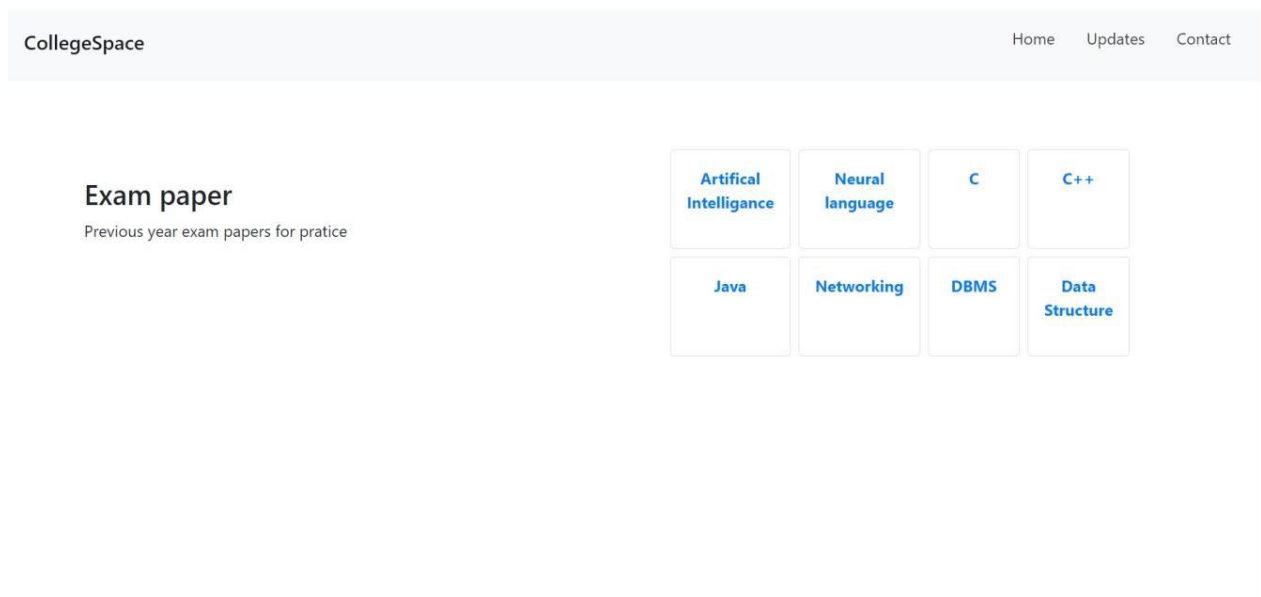
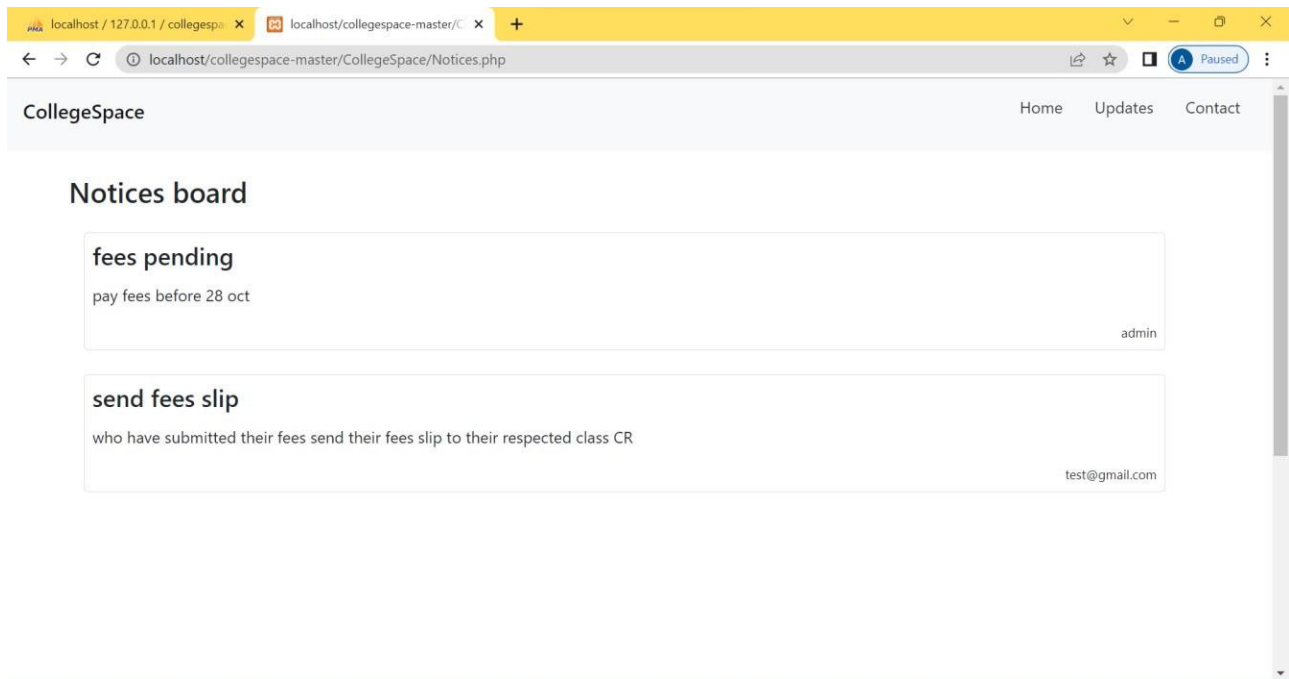
**Case-1:** The Code must be tested for any irregularities or unwanted bugs in the user interface.

Testing of proper functioning of buttons, scroll wheels etc can also be considered in this case.

**Case-2:** Testing of database integrity, it should be consistent with the changes requested and should no contain any noise data.

**Case-3:** Synchronization of user inputs through user interface and implemented of the same in database will be the final test case of the project. The system must be able to perform requested action and save it successfully





## CHAPTER 6

### RESULTS AND DISCUSSIONS

Some potential results and discussions for a college management system could include:

1. Improved administrative efficiency: By automating administrative tasks such as student enrollment, fee collection, and academic record keeping, a college management system can help to reduce the workload of administrative staff and improve efficiency.
2. Enhanced student experience: A college management system can provide students with a range of self-service options, such as online registration, course selection, and grade viewing, which can enhance their experience and reduce the need for manual intervention.
3. Improved data accuracy and integrity: By centralizing data in a single database and implementing data validation and verification checks, a college management system can help to ensure that data is accurate and consistent across all systems.
4. Enhanced reporting and analytics: A college management system can provide administrators with access to real-time data and analytics, which can help them to make more informed decisions and improve the overall performance of the institution.
5. Improved communication: A college management system can provide a platform for improved communication between students, faculty, and administrators, through features such as online messaging and discussion forums.

Overall, a well-designed college management system can help to streamline administrative processes, enhance the student experience, and improve the overall performance of the institution. However, it is important to ensure that the system is designed with scalability, security, and privacy in mind, and that it is regularly updated and maintained to ensure optimal performance.

## CHAPTER 7

### CONCLUSION AND FUTURE ENHANCEMENT

#### CONCLUSION

The project entitled as College Management System is the system that deals with the issues related to a particular institution.

- This project is successfully implemented with all the features mentioned in system requirements specification.
- The application provides appropriate information to users according to the chosen service.
- The project is designed keeping in view the day to day problems faced by a college.
- Deployment of our application will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.

Awareness and right information about any college is essential for both the development of students as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities. In conclusion, it can provide significant benefits to educational institutions by improving administrative efficiency, enhancing the student experience, and improving overall performance. However, it is important to ensure that the system is designed with scalability, security, and privacy in mind, and that it is regularly updated and maintained to ensure optimal performance.

In conclusion, the College Management System is a software application that utilizes a Relational Database Management System (RDBMS) to store, retrieve, and manipulate data related to the various aspects of a college, such as students, courses, faculty, staff, facilities, and events. The system employs the principles of database design, normalization, indexing, and transaction management to ensure the accuracy, consistency, and security of the data.

The PHP programming language is used to implement the server-side logic of the system, including the processing of user requests, the generation of dynamic web pages, and the interaction with the database using SQL queries. The HTML, CSS, and JavaScript technologies are used to create the user interface of the system, including the forms, tables, menus, and dialogs that allow the users to interact with the system.

Some more key points to include in a conclusion for a college management system could include:

1. The importance of centralizing data in a single database to improve data accuracy and consistency.
2. The benefits of automating administrative tasks to reduce workload and improve efficiency.
3. The importance of providing students with self-service options to enhance their experience and reduce manual intervention.
4. The value of real-time data and analytics for improving decision-making and performance.
5. The need to prioritize scalability, security, and privacy in the design and maintenance of the system

Overall, a well-designed college management system can help educational institutions to achieve their goals more effectively and efficiently, while providing students with a better experience and improving overall performance.

## FUTURE ENHANCEMENT

1. Online examination modules would be introduced to conduct online examinations.
  2. Scheduling of the staff. i.e. , time table setting of the staff
  3. Further, the faculty can upload the videos of their lectures onto this site and students who had missed those classes can view those videos.
- Mobile access: As more students and faculty rely on mobile devices for accessing information, a college management system could be enhanced to provide mobile-friendly interfaces and features.
  - Artificial intelligence (AI): AI could be used to automate administrative tasks such as grading and scheduling, or to provide personalized recommendations for students based on their academic performance and interests.
  - Virtual and augmented reality: Virtual and augmented reality technologies could be used to enhance the learning experience, by providing immersive educational experiences and simulations.
  - Blockchain: Blockchain technology could be used to improve the security and privacy of student data, by providing a decentralized and tamper-proof ledger for storing academic records.
  - Integration with third-party systems: A college management system could be enhanced by integrating with third-party systems such as learning management systems, student information systems, and financial aid systems, to provide a more seamless experience for students and faculty.

Overall, future enhancements for a college management system will depend on emerging technologies and changing needs within the educational landscape. It will be important to regularly evaluate and update the system to ensure that it continues to meet the needs of students, faculty, and administrators

Integration with artificial intelligence and machine learning technologies to automate administrative tasks and provide personalized learning experiences for students.

Implementation of block chain technology for secure and transparent record-keeping of student credentials and academic achievements.

Integration with virtual and augmented reality technologies to enhance remote learning experiences and provide immersive simulations for certain courses.

Development of mobile applications to provide easy access to course materials, schedules, and communication channels for students and faculty.

Implementation of data analytics tools to track student performance and engagement, identify areas for improvement in curriculum and instruction, and make data-driven decisions to improve the overall quality of education.

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## CHAPTER 8

### REFERENCES

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