

# College Communication System

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## ABSTRACT

This is a web oriented application allows us to access the whole information about the college, staffs, students, facilities etc. This application provides a virtual tour of Campus. Here we will get the latest information about the students and staffs. This generic application designed for assisting the students of an institute regarding information on the courses, subjects, classes, assignments, grades and timetable. It also provides support that a faculty can also check about his daily schedule, can upload assignments, and notices to the students. Here administrator will manage the accounts of the student and faculties, makes the timetable, and upload the latest information about the campus.

**Keywords:** Administrator, Student, Parent, Faculty, Attendance, Exam.

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## I. INTRODUCTION

### Problems in existing system:

- It is limited to a single system.
- It is less user-friendly.
- In the current system we need to keep a number of records related to the student and want to enter details of the students and the mark manually.
- In the existing system only the teacher or the college authority views the mark of the student and they want to enter details of the student.
- It is time consuming process.
- The present system is very less secure.
- It is unable to generate different kinds of report.

### Proposed System:

The main objective of the proposed system is to provide a user friendly interface. The system can computerize all the details that are maintained manually. Once the details are fed into the computer there is no need for various persons to deal with separate sections. Only a single person is enough to maintain all the reports. The security can also be given as per the requirement of the user

- Large volumes of data can be stored with ease.
- Maintenance of file is flexible

- Records stored are updated as per need.
- Stored data and procedures can be easily edited.
- Reports can be generated with ease.
- Accurate calculations are can make.
- Less manpower requirement.

### Introduction

This College Management System project developed using ASP.Net programming language. The main aim of this project is to develop an online website which covers all the details of college i.e Student attendance, Students fees transaction details, Marks details, etc. Admin is the super user of this project. All the record stores in MySQL Database. The proposed software will also reduce the paperwork, manual labour as well as communication cost.

### Benefits of System:

1. This system is very simple to handle.
2. It includes advertisement of the college.
3. It overcomes the limitations of the web based system as our proposed system is developed.
4. As the current system is manual it does not require any sophisticated training for the User of the system.
5. This project will save time and its increase speed.

6. Students do not have to visit the college notice board every time.
7. No chance of the mistake as calculations for attendance will be automated.

#### Modules:

1) PARENT:-This module used to store parent records. It contains the following information i.e. Parents Profile details, Contact information, etc. The Users can search the parents from the database according to different criteria such as name, Address, etc.

2) NOTICES:-It includes information about various events which is currently going on and which will occur in the near course of time. Notices helps in quick capturing of any occurring event.

3) REGISTRATION:-Report generation is also provided to view summarized detail regarding hostel fees and mess bill. It includes Hostel fees. Mess reports. Students can check hostel fees and mess bill by entering their Unique Hostel ID

4) ADMINISTRATOR:-The administrator is responsible for entering the new student and managing the student Accounts. The administrator also manages the faculty accounts like entering a new faculty assigning the faculty to the subjects. The Events which are celebrating in college are updated by Administration. The E-Library is also managed by the Administration. It also check all the updates i.e. student ,faculty , exam etc. The administrator has the highest level of power in the college management system.

5) FACULTY:-The staff can update the information regarding the student's attendance, internal marks of the students and any information regarding the subjects they handle. They can also view the student details for better understanding the student. The staff also gets the updates from the college regarding any events occurring in the college.

6) STUDENT:- The student is of center focus, because in every college student plays the very important role. Student also can access the information of the college, subject details, training and placement cell information and exam section information. The course details include information regarding branch he is studying, the academic curriculum of the college, year wise subject offered by the branch, the subject details include the syllabus of the subjects, information regarding the staff handling the subjects, the subjects he presently registered for the semester he is presently studying, attendance and internal marks of the subjects.

The placement details include the information about the companies, the eligibility criteria for attending recruitment of the companies, the process of recruitment, the date and time of the recruitment. The placement section updates the student information that got selected for a company.

7) EXAM SECTION:-The examination section is responsible for updating internal and external examination time table. And they are responsible for the checking and approving the internal marks details updated by the staff.

User Module: In this module we are authenticating the users by providing username and password. If username and password is valid then they will be taken to their screens. When they get matched with each other system checks the status of that device and transfers the control to respective user-interface.

8) DATABASE MODULE: The proposed system used MySql as its database because of their simplicity and flexibility. This module store every single information about students, faculty and model their data on specified operations. These operations can be storing student attendance, result data or can be authentication credentials.

9) ATTEDANCE MODULE: The purpose of Attendance Entry Module is to enter the attendance using cell phone. In this module Lecturer takes the attendance using the cell phone. Lecturers select the branch, semester and year. After this session he enters in to attendance page. Here staff makes a mark on the absentees. Lecturers are only allowed to take attendance during their lecture time. In case of swapping of lecture or extra lecture, HOD can allow other faculty to take attendance of students by swapping the logic of time-table permanently or temporarily

10) MARKS ENTRY MODULE: The marks scored by the students are stored in the database through this module. The exam cell will login, select the type of the exam e.g., unit test, model exam and then the year, section and subject in the application which displays the students list. Now, the marks for each student is entered and submitted to store in the database.

11) FEEDBACK MODULE: This module performs automated calculation of student's feedback of their professors, and then this will be represents graphically. Student can see only fifteen questions and give feedback by select provided options. This module, stores student feedback into JSON objects to provide faster transfer of feedback data to server or client-side. Next we extract string from the JSON to apply algorithm over and decide the result of feedback.

12) GENERATION MODULE:

This module allows the HOD and Lecturer to generate various reports on the student attendance and marks data. To generate reports, the user must login through app and ensures that internet is on. In this module, application generates PDF file dynamically using java program. 8 Notification Module: This module allows the department HOD to update students about any college related information through notification.HOD can send message to only available options like all student, all faculty, specific faculty and to all.

**Result:**

**Login form:** When user Log into the system then he firstly open this page then put username and password in that blocks and then he or she entered into system.

**Registration form:** User has to register their information into that form then he or she get username and password.

**Pre-Requisites:**

1) ASP.NET: ASP.NET is a technology for developing, deploying, and running Web applications. ASP.NET is a part of the Microsoft .NET Framework, so all .NET Framework features are available to ASP.NET applications. ASP.NET web pages are simply pure text, like HTML files. ASP.NET web pages are the main building block for application development.

2) HTML: HTML is a hypertext markup language which is, in reality, a spinal cord of any website. Any website can't be structured without the knowledge of HTML. If we make our web page only with the help of HTML, then we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as static and dynamics methods. And here we are using this language to make our web pages more effective as well as interactive for users to understand. And to make our web pages dynamic we are using Javascript and XML.

3) CSS: CSS in PHP Stands for (Cascading Style Sheet). Cascading style sheets are used to format the layout of Web pages. They can be used to define way of writing or style, size of various tables, and other aspects of Web pages that previously could only be defined in a static page's HTML. The main work of CSS is to separate content of a web

document (written in any markup language) that is written using Cascading Style Sheets. There are lots of benefits that one can extract through this like improved content accessibility, better flexibility and moreover and hence gives a level of control over various presentation characteristics of the document. It also helps in reducing the problems and helps in saving access time. It gives the option of selecting various style schemes and rules according to the necessity.

4) MySQL:- It is the most popular database server. Using MySQL, we can query a database for specific information and have a recordset returned. A database defines a structure for storing information. It supports SQL. MySQL compiles on a number of platforms. It is free to download and it is very simple to use. It can store information in separate tables and link tables together.

**Applications:**

Graphical User Interface: Using HTML we can manage desktop application. It is a challenge because it requires some extensive knowledge of HTML and it might be easier to maintain applications in other languages. If HTML is your favorite programming language, then you may adopt to get started creating GUI applications.

**Advantages:**

- 1) By using this s/w, you can learn how you prepare your records in standard manner.
- 2) By using this s/w, administration can manage all records in standard manner.
- 3) get all or a particular student attendance information by attendance master.
- 4) Also it can help to maintain the fees and accounting reports of college in proper way.
- 5) It helps to generate mark sheets of current year or previous year's students.
- 6) By using this s/w we can find current sessions and news related to college.

**Conclusion**

Through this web-application admin can easily manage the system. Parents can keep in touch with college for their children performance. Students can easily get info regarding exams and other notice.

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