

# Parent Portal for College Management System

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## Abstract

*The impact of computers on our lives today is probably much more than we are actually known to. Getting good information and transforming it quickly into products than consumers to buy is the essential key to staying in business and this all is done nowadays using Computers and Application Software. College Portal defines as an application (more likely web-based), that provides capabilities for multiple users with different permission levels to manage (all or a section of) content, data or information of a website project, or internet / application. This project is to facilitate faculty in college to student and teachers staff profiles. The teacher and student plays very important role in the project. The software helps Managers to plan and control the organizational operations and respond to changing market conditions. It provides a regular flow of information for managerial decision - making and control. This software can help us to explore all the activities happening inside the college. College portal system is software which is helpful for students as well as the college authorities. The main principle behind the need of collage portal system is easy supervision of institute.*

**Keywords:** College Portal, Decision Making

## INTRODUCTION

A student portal project that acts as an online portal between students and the admin. The system is designed for a particular branch such as CSE. It contains an admin who can enter details of students. Students can then login using provided user id password and edit their profile details and image. Now admin can add details of Students information .When students login they can see their own details. Students also get a student helpdesk to assist them and also a download page where students may download pdf format from the system.

The creation and management of accurate, update information regarding a student's academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It also facilitate us explore all the activities taking place in the college, different reports and queries are generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college.

Parent portal allows parent or guardians to access their child's grades, attendance, records and personal information which communication between home and college can be improved. A student portal project that acts as an online portal between students and the admin. The



system is designed for a particular branch such as BE. It contains an admin who can enter details of students. Students can then login using provided user id password and edit their profile details and image. Now admin can add details of Students marks. These are marks of 6 semesters each semester having 4 subjects .When students login they can see their own marks details.

There have been numerous studies in the area of parental involvement that espouse a link between parental involvement and student achievement (Shanahan & Walberg, 1985; Fan,2001;Walberg, 1984; Fehrmann, Keith , & Reimers, 1987;Sanders, 2001).SISs have existed since the mid-eighties, but it is only in the past five to ten years that they have developed the ability to allow parent and student access to the information entered by district In recent years, a student portal project that acts as an online portal between parent and admin. The system is designed for a particular branch such as BE. It contains an admin who can enter details of students. Parent can login using provided user id, password and edit their profile details and image.

Now admin can add details of Students marks. These are marks of some semesters each semester having some subjects each. When students login they can see their own marks details. Students also get a student helpdesk to assist them and also a download page where students may download pdf format eBooks from the web system. Parents/guardians have the ability to **update household information** (phone number, address, cell phone, work phone

and email) through the Parent Portal. This information will be applied to all of your students enrolled in ISD 622 schools. Simply click on the Household Information or Family Members sections to update your information. You will be contacted if more information is needed. The parent portal is a secure web environment where parents can access information that keeps them informed of their child’s learning progress and attendance record. It also provides easy online access to additional resources and information that the school makes available for parents.

The benefit of the parent portal is that it serves as a single point of access for anything to do with a child’s learning.

## LITERATURE REVIEW

The literature review is a critical look at the existing research that is significant to the work that you are carrying out. Some people think that it is a summary: this is not true. Although you need to summarize relevant research, it is also vital that you evaluate this work, show the relationships between different works, and show how it relates to your work. To demonstrate skills in library searching to show command of the subject area and understanding of the problem; to justify the research topic, design and methodology.

This project “College Portal” provides us a simple interface for maintenance of student information. It can be used by educational institutes or colleges



to maintain the records of students easily. Achieving this objective is difficult using a manual system as the information is scattered, can be redundant and collecting relevant information may be very time consuming. All these problems are solved using this project. Throughout the project the focus has been on presenting information in an easy and intelligible manner. The project is very useful for those who want to know about Student Information Management Systems and want to develop Software's/websites based on the same concept. The project provides facilities like online registration and profile creation of students thus reducing paperwork and automating the record generation process in an educational institution.

#### **Purpose of literature review:-**

Explore issues, theories in scholarly writings and provide explanation, summary and critical evaluation on previous research. An account on what had been published on a certain topic by recognized and authoritative scholars/experts. Critical analysis on a segment of a particular knowledge through classification, summary, comparison of past research, theoretical articles and literature. To know what has been known or unknown/researched. To develop explanation on certain phenomena, state-of-the art.

Is there a relationship between Parent Portal access and student achievement? In order To position this study within the current literature, empirical studies on the subject of parental involvement, technology, and

communication were examined. Student variables were also examined through empirical studies. This chapter introduces the literature search process, the methodological issues in the studies examined, inclusion criteria for the studies, and the theoretical framework, as well as the review of literature topics. Research has illustrated a link between parental involvement through school-to-home communication and student achievement as well as increased attendance and fewer discipline issues. (Sheldon & Epstein, 2004; Spera, 2005). Sheldon and Epstein (2004) found that when initiatives included ten activities that represented the schools' efforts to directly connect with and involve family and community members in ways that support student attendance such as conducting workshops, making home visits, newsletters listing students with excellent attendance, and providing access to children's attendance on the internet, there was an improvement in student attendance rates. Christopher Spera's (2005) literature review concluded that when parents monitor their children's after school activities, they facilitate their children's academic achievement and educational attainment. The purpose of this study was to explore and analyze the nature of the relationship between parent/home-to-school communication through the use of electronic grade books and its 16 possible influence on student achievement as measured by individual academic achievement and attendance. The researcher examined the relationship between the use of electronic grade books and student GPA as well as NJ ASK scores. This dissertation will enhance

and build on the research conducted by Mark Mathern in 2009 entitled *The Relationship of Electronic Grade Book Access to Student Achievement, Student Attendance and Parent-Teacher Communication*. This study explored this relationship using different grade levels and a smaller sample size, while also utilizing survey data collection. The history of parental involvement has a sociological and political context. From this idea morphed the notion that the home environment and not necessarily the SES of the family could positively affect student achievement. This sentiment is echoed today by numerous researchers (Fan, 2001; Keith & Keith, 1993; Shanahan & Walberg, 1985; Fan & Chen, 2001)

### **Proposed System**

The existing system which we using in our college traditional process is a complete Manual process. Now days, education is playing very significant role in the society. Day-by-day, the percentage of illiterates are decreasing and percentage of literates is increasing. Educational will change the society in all the aspect and everyone wants to study higher professional degrees.

Most of the schools and colleges are maintained student information in records. When the number of records increase, it is difficult to maintain the project information of each student in the old manual system. Maintaining the records manually leads to error prone and required manpower and it consumes more time for processing the records. Today's education scenario is rapidly changing and demanding. The

system demands greater levels of communication between college, student and faculty members to have optimum use of resources. Today's industry talent demands are soaring with more and more skills requirements in all fields. Colleges and institutions generating creative students' needs focused approach on such talents and industries so as avail best of benefits to their candidates passing out. College Portal is a system fulfilling these demands and enacting as a bridge of communication amongst students, faculties and colleges. This deals with data flow diagram, detailed flow graph, requirement analysis, and design process of the front end and back end design of the student information management system.

In our proposed system we have the provision for adding the details of the students. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it found unnecessary. The following documentation is a project the "Collage portal". It is a detailed summary of all the drawbacks of the old system and how the new proposed system overcomes these shortcomings.

The new system takes into account the various factors while designing a new system. It keeps into the account the economical bandwidth available for the new system.

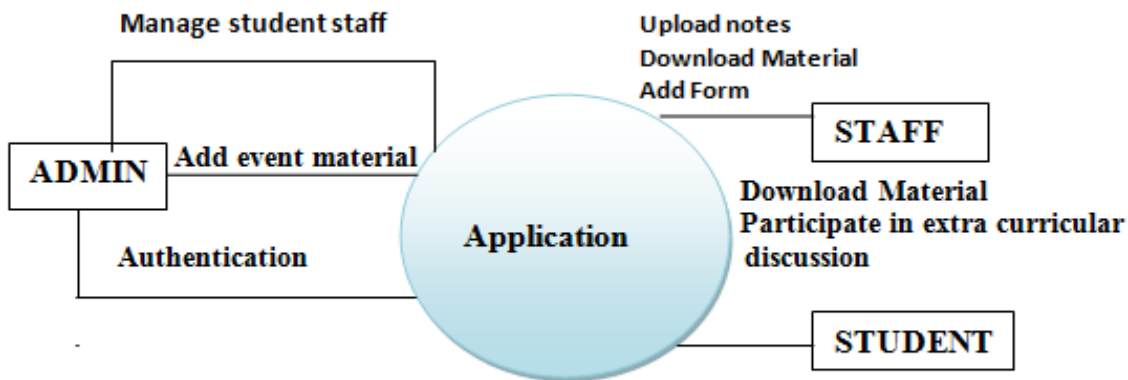
The foremost thing that is taken care of is the need and requirements Function to be provided:

- The system will be user friendly.

- The system will be efficient and fast in response.
- The system will be customized according to needs.
- View
- Add
- Delete
- Modify

A Data Flow Diagram (DFD) is a graphical representation of the flow of “College Portal”. Data flow diagram can also be used for the visualization of Data Processing. DFD shows the interaction between the system and outside entities. This context-level DFD is then “exploded” to show more detail of the system being modeled. A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as function that transforms the given input into required output. Movement of data through the different transformations or processes in the system are shown in Data Flow Diagram of Fig. 1

**Data Flow Diagram:-**



**Fig.1 Data Flow Diagram**

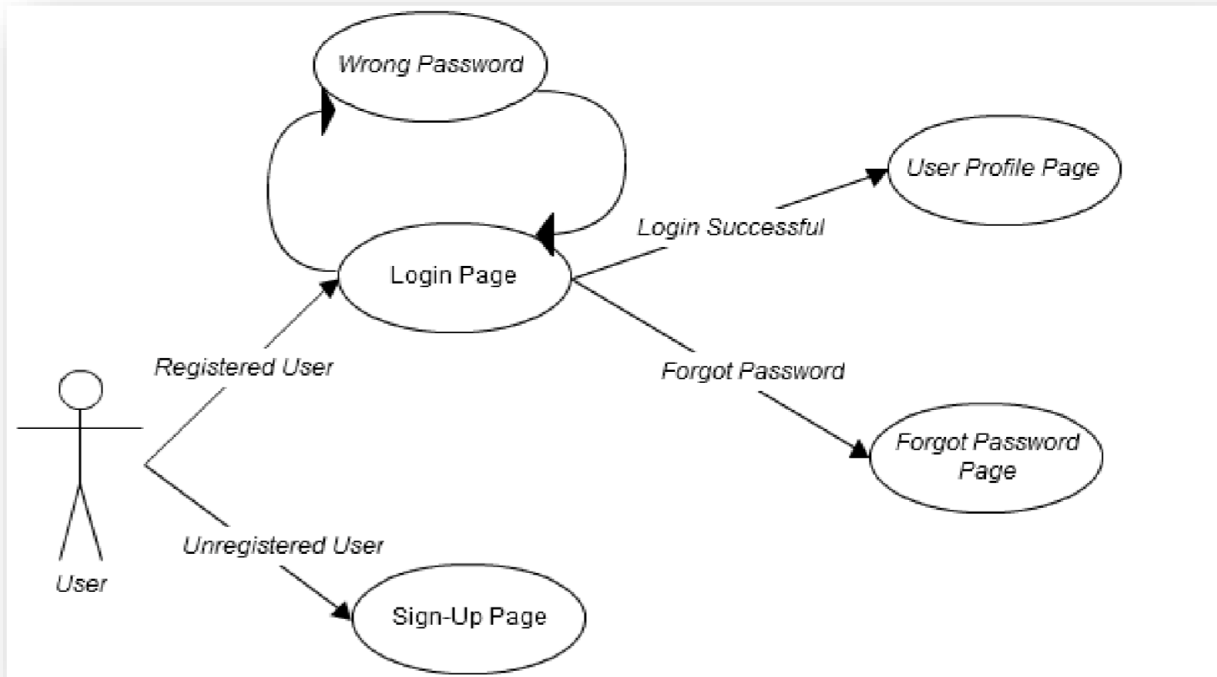


Figure 2: User Login

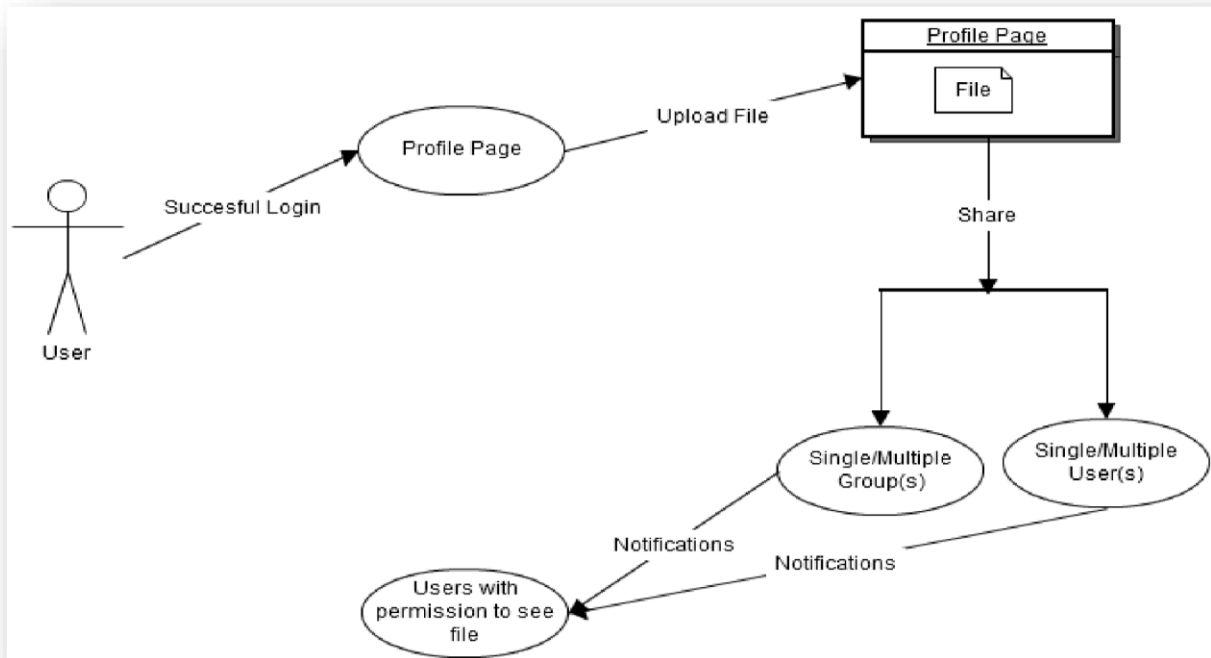


Figure 3: Upload data for students

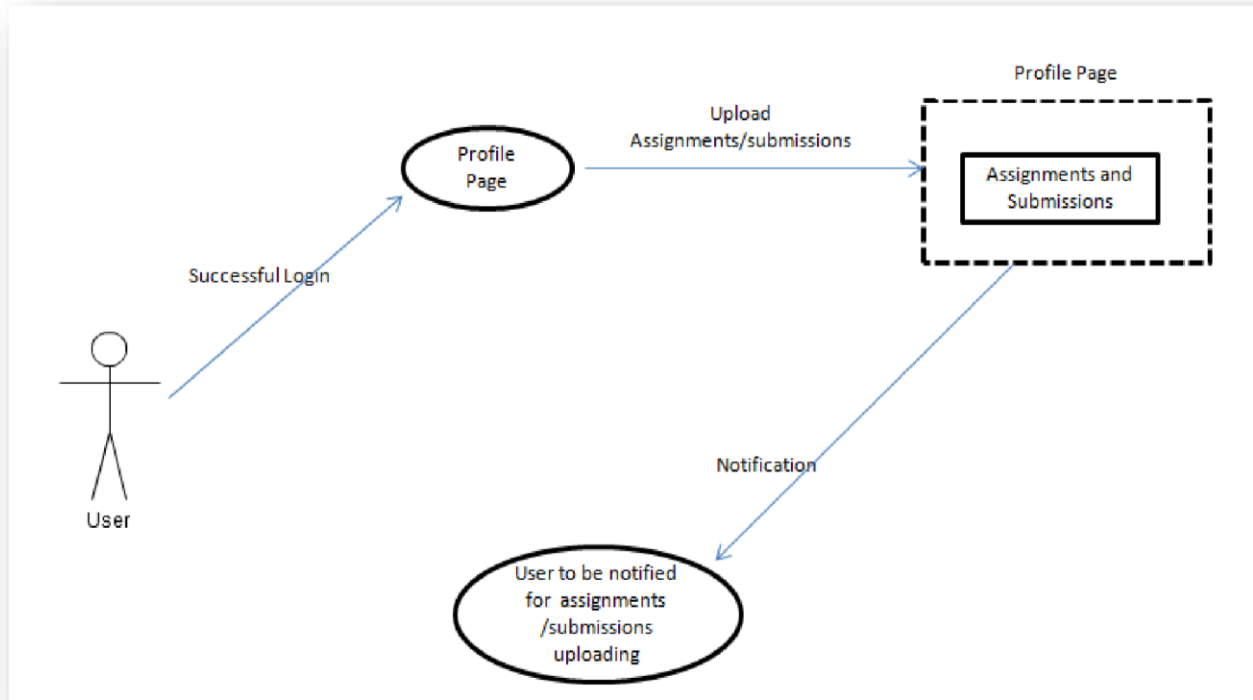


Figure 4: Assignment Submissions

## FEATURES OF PORPOSED SYSTEM

### Application:-

- **Attendance Tracking** – Parents can track the children’s attendance on the go, at their convenience.
- **Results** – They get detailed semester-wise results complete with grades received for each subject.
- **Track Fee** – Parents can find out if there are any fee arrears.

- **School Bus Tracker** –This solution helps parents to pin point the real-time location of their children’s school bus.
- **Notice board** – Parents can view schedules, time tables, circulars etc. from the school in PDF format.
- **Communication Center** – Parents are notified of critical messages with push notifications, bridging the communication gap between teachers and parents. They can also initiate conversations with the school principal and teachers.



• **Feedback Section** – This section allows parents to send feedback to teachers on their children's progress and activities.

The online parent portal will be hosted alongside the school website. It helps parents to communicate with teachers and stay informed about their children's progress and discipline at school. All details for parents like school circulars, fee payment details, marks and attendance are reported through the portal. Parents with multiple children studying in the same school need only one login to view all details.

## RESULT

### Results Module:

Parents get easy access to their children's results from this module. They can see the detailed semester wise reports of how children have performed in various subjects. The results can be downloaded in PDF format for your convenience.

### Attendance Module:

The attendance module, as the name suggests, is a comprehensive view of students' attendance. It lets the parent know the number of days their children has been present and absent from their classes.

### Fee Module:

Want to know how much amount has been paid as fees for the whole year? Parents can now get the complete details using our fee module. They can also find out the

details about fee dues. All from their Internet connected device.

## CONCLUSION

This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required and provides accurate information. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. Therefore the data stored in the repository helps in taking decision by management. So it is better to have a Web Base system. All the stakeholders, faculty and management can get required information without delay. This system is essential in the colleges and universities. The project was designed in such a way that future modifications can be done easily. The following conclusion can be done easily.

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