Online College Portal

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Abstract - Living in modern world and not using digitalization not a better way, using modern technology and internet for reducing work and increasing efficiency is a way to digital country and using technology helps in having a smart work process so to implement this in college an Online College Portal is designed to implement digitalization and reducing work of   college staff/faculty like calculating percentage of attendance and marks ,providing time-table , keeping records in files for years is reduced by this system and to overcome the problems caused by human error and wastage of time doing all process manually.

*Key Words***:** Online college portal, attendance system, marks management, timetable, student progress report.

1.INTRODUCTION

This project is an online portal between students, parents and faculty. This innovative system allows college faculty to share important data as well as notifications with engineering/non-engineering students. It consists of a faculty login along with student login & parent login. Since college faculties operate through pc and document uploading is simpler through a pc, the faculty login is to be performed using a computer. Faculty may upload their documents of respected   subject   syllabus,   timetable   document, notifications, e-notes, attendance etc. through their assigned login. The documents are uploaded by faculties of department to different corresponding departments. We purpose to build this system on an online server that allows faculty to upload data & students may view/search and download the required documents through their computer device. Here students only see and download data of their particular semester/year/class. Rest of data is hidden. Faculty may access and upload/edit documents to any semester/year/class or add any notice as their desired.

2. EXISTING SYSTEM

The system in college nowadays like entering marks , attendance ,calculating percentage , giving notices , event calendar , providing exam routine and providing notes/papers is done manually which consumes lots of time and man power

2.1 WORKING

The working in manual system in the colleges requires a lot of man power and time. Consider percentage & providing notes and paper for percentage required calculating marks of each subject of a particular student and then we get the percentage and to provide notes/papers some time the teachers dictate in the class and some provide Xerox which can't reached each student.
All notices are dictated in class for every holiday, event, workshops, conference and timetable of exam.
All marks of weekly test and unit test are displayed on notice board, timetable of daily class routine is displayed on notice board.

2.2 DRAWBACKS OF THE MANUAL PROCESS

The handbook process of calculating the percentage brought in many problems and a lot of difficulties had to face by faculty in doing the process for all student record.
At the time of providing notes to Xerox center a lot of difficulties had to be faced by students like students had to stand in long queues for a lot of time that too during their college hours.
While calculating percentage & attendance of each student is difficult job & A human error can be caused in manual process. No proper process records are maintained.
Therefore there are no full-proof records of data is maintained, so, however these mess in handling these data of each student manually.

3. PROPOSED SYSTEM

The website will provide a way for parent student and faculty to communicate with each other in terms of marks, attendance of student that the respected parent need to know, online through website which is based on PHP programming. This will solve all drawbacks of manual process, increase the efficiency and speed up all works to be completed. At college managements side a person can view the details of students will than print the details of student. Every student, parent (linked to student Account), faculty will be provided with unique Login Id and password.
Also all the data will be at least once validated from the college database. For this purpose the college database are being retrieved directly. So this process also helps in maintaining integrity and consistency.

3.1 STUDENT INTERFACE

In the Student module they can view their own percentage of their attendance on daily basis, see the event, exam time table, can view or download the notes or papers and print the notes and also there is an event calendars which shows upcoming exams, holidays, other curricular and co-curricular activities and there is a Chat Room where the faculty, student and parents can chat on the related issue.

3.2 PARENT INTERFACE

In the Parent module they can view their ward's percentage of their attendance on daily basis, see the event, exam time table, can view notes or papers are given and also there is an event calendars which shows upcoming exams, holidays, other curricular and co-curricular activities and there is a Chat Room where they can interact with faculties on the related issue.

3.3 ADMIN   INTERFACE

Admin module is one on the main module needed in the system it has various module such as "Class", this module is being used during the registration of the student account, that which class does the student belong.
The second module is the "Subject" is that which year has which types of subject and any changes is been also made in the subject module
The third module is "Exam" is in which the timetable is been generated and notification is been send to all student
The fourth module "Assign Teacher" is that the teacher is been assign to a particular class for the particular subject according to their teaching limit
The Fifth module is the "Teacher Routine" in this the time table of the particular teacher is been made and send to the particular subject
The further modules include "Permit Student, Teacher, Parent" and "Holiday", "Notice/Event" This all above mentioned modules in permit module the admin allows permission to student, parent, Faculty to successfully access the account, in holiday module all the upcoming holidays is been displayed and Notice and event module display's the upcoming notices and event related to the college affairs and many more.

3.4 FACULTY INTERFACE

This module of "Faculty" can upload the notes and notices and they can also generate the timetable of the classes they are assign to and can enter the Attendance of the student and can directly see the percentage directly

3.5 SYSTEM FLOW

The complete flow of the process is as follows. When Student uses this system for the very first time, while registering, the verification is done through the admin user. Once verification is completed, student can use the system. The validation of the information filled during the registration of account is done using the system and institute database, and only after that, the registration is been completed and the student/parent/faculty account is successfully created. The admin (institute authority) controls complete work flow by giving the access permission to the student and the parent, updating institute database, & updating student details and reflecting the changes in the records of the student. As there is module of the Parent which is interlinked by his/her ,Son/daughter account by which the parent can see the progress of the particular student by various information and the permission of the parent account is given by the admin user .

3.6 VALIDATIONS

For each input submitted by user (student/parent/faculty), validation is needed to be performed. No false format of details can be submitted in the input section of different students. Validations with respect to the rules instructed by college authority are done. The Login Id and password depends in which class and semester he/she belongs to. So, the user is not permitted to access data of different class and semester.

4. ADVANTAGES

This project has a login page which allows to login only the registered user and thereby the unauthorized user are prevented to use the side and information in site .Login using the provided login ID and password through admin side.

This system can also be used to display the entire syllabus, updates details to the user.

The computer user will be able make quick download of notes /paper from anywhere using internet

Usage of this site will greatly reduce time in engineering document sharing.

5. CONCLUSION

This system, in addition to lessening the work load on the institute, it also fixes any false data about the users that the institution may have. It is a benefit for the users' whose important time and energy is preserved, for the affected educational college's authority whose workload is immensely reduced, whose services are secured from misuse.

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