

College Portal

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ABSTRACT: This research paper is aimed at developing an online portal for college. College portal provides a simple interface for the 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 student's academic career is critically important in the university as well as colleges. The proposed Online College Portal is a cost-effective way of doing the manual processes done in the existing system.

KEYWORDS: College portal, Web Application, Virtual College

I. INTRODUCTION

College Portal provides a simple interface for maintenance of student-faculty information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, update information regarding a students' academic career is critically important in the university as well as colleges. Student information system can deal 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 tracks all the details of a student from the day one to the end of the course which can be used for all reporting, tracking of attendance, progress in the course, completed semesters, upcoming semester year curriculum details, exam details, project or any other assignment details, final exam result and all these will be available through a secured online interface. 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 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.

The main motto of the project is to go paperless at least in our university, where we can use this portal to store many things. This will gradually decrease the use of paper. This project may serve better for both student and the management. Faculties can also interact easily with the students and also the students can interact with faculties as it is a two way interaction. That is student will get the information about the events that is going on colleges including their academic details. Students can easily concentrate on studies during exam time as the fee details will be updated and at last they don't have to worry about no due certificates. So as an overview, this project helps the students in all way and it helps to do a paperless initiative.

[1] We can conclude that the web can show the students' and lecturers' masterpieces to the public and archive it digitally. Displayed masterpieces can be a portfolio or local or global recognition branding either for the students or lecturers, and also for their educational institution. Besides that, people can download and use their masterpieces according to their needs.

[2] The portal represents a major part of university information systems. Lack of components distribution is a gap that leads to many problems in students' portals in most of universities worldwide, which is due to tightly-coupled components in the current portal framework. The design of a new students' portal framework, which is loosely-coupled has several advantages over the traditional framework such as distribution, interoperability, maintainability, extensibility, cost-effectiveness, complexity and reusability.

[3] The design for a college student management system utilizing a computer-aided system. Firstly, we organize our proposed college student management system via a hierarchical

structure, which contains (1) Web display layer, (2) Business logic layer, (3) Data access layer, and (4) Database layer. College student management system contains several basic elements, such as Teacher information, Department information, Major information, Class information, Student information, Course information, Manager, Employment information.

[4] Campus Portal is a platform of demonstrating the campus information and integrating the service of business systems. It will integrate the academic, research, and personnel management systems which serve the faculty, and the study, teaching service systems serve the students, academic systems. Teachers and students

with one account can access to all resources within their circumstances.

II. SYSTEM DESIGN

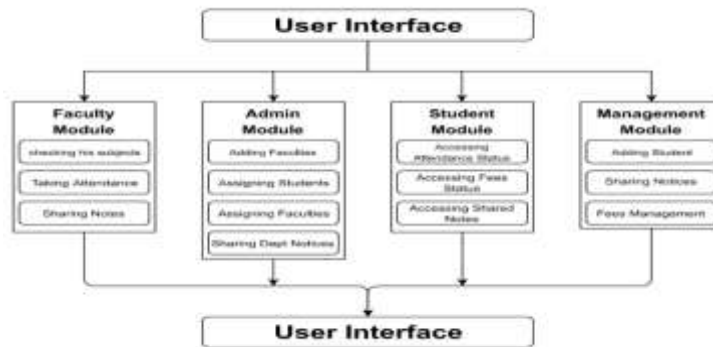


Fig 1: System Architecture

2.1 Faculty Module

This module handles all the functions which are performed by the user (faculty). The functionalities include checking subjects assigned to the user by admin, taking attendance on a daily basis of assigned subjects and sharing notes or assigning work to the students.

2.2 Admin Module

This module provides all the authority to the admin, which includes adding faculties, assigning students to faculties, assigning faculties to subject, sharing department notes, and publishing a notice to the target group of students or individual students.

2.3 Student Module

This module provides an interface for students to access their attendance status, fee details, and accessing the shared notes and circular.

2.4 Management Module

This module provides the ability to add a student, sharing circular among students or teachers and manage the fee details of the individual student to an authorized user.

III. RESULT

Results basically refer to any particular output that comes as a result of the completion of the activities that have been performed as part of the project or a particular project component.



Fig 2: Dashboard of College Portal



Fig 3: Taking Attendance

Source Code For The Attendance Module:

```
<?php
if (isset($_POST['sbt_top'])) {
if (isset($_POST['updateData'])
($_POST['updateData'] == 1) ) {
$tid = $_POST['subject'];
$uid = $_SESSION['uid'];
$p = 0;
$st_sid= $_POST['st_sid'];
$attt_aid= $_POST['att_id'];
$ispresent = array();
if (isset($_POST['checkbox'])) {
$ispresent= $_POST['checkbox'];
}
}}

```

```
for($j = 0; $j < count($st_sid); $j++)
{
//echo "hii";
// UPDATE `attendance` SET `ispresent` = '1'
WHERE `attendance`.`aid` = 79;
$stmtInsert = $conn->prepare("UPDATE attendance
SET ispresent = :isMarked WHERE aid = :aid");
if (count($ispresent)) {
$p = (in_array($st_sid[$j], $ispresent)) ? 1 : 0;
}
$stmtInsert->bindParam(':isMarked', $p);
$stmtInsert->bindParam(':aid', $attt_aid[$j]);
$stmtInsert->execute();
//echo "data upadted";
}
echo '<p>&nbsp;</p><div class="alert alert-
dismissible alert-success">
<button type="button" class="close" data-
dismiss="alert"></button>
<strong>Well done!</strong> Attendance Recorded
Successfully!
</div>';
}
else {
$date = $_POST['date'];
$stamp = strtotime($date);
$tid = $_POST['subject'];
$uid = $_SESSION['uid'];
$p = 0;
$st_sid= $_POST['st_sid'];
$ispresent = array();
if (isset($_POST['checkbox'])) {

```

IV. OBESERVATIONS FROM THE TESTS CONDUCTED

The results for several inputs are displayed here.

```
$ispresent= $_POST['checkbox'];
}for($j = 0; $j < count($st_sid); $j++){
$stmtInsert = $conn->prepare("INSERT INTO
attendance (sid, date, ispresent, uid, id)
VALUES (:sid, :date, :ispresent, :uid,
if (count($ispresent)) {
$p = (in_array($st_sid[$j], $ispresent)) ? 1 : 0;
}
?>

```

TEST CASE NUMBER	INPUTS	STAGE	EXPLICIT BEHAVIOR	OBSERVED BEHAVIOUR	STATUS PASS/FAIL
1	Fullname, Roll No, Email, Gender, Class, DOB	Registration	Information inserted into table Successfully	As Expected	Pass
2	Class, Student name, Subjects	Declaring Result	Marks inserted for percentage calculation	As Expected	Pass
3	Subject name, Subject Code	Creation and management of subject	Subjects and Subject code inserted	As Expected	Pass
4	Selecting Subjects	Deleting Subject	Removing of selected Subjects	As Expected	Pass
5	Is Present	Taking Attendance	Attendance marked	As Expected	Pass
6	USN	To check Attendance status	Attendance record displayed	As Expected	Pass
8	Name, Branch, Total Fees, Email	Managing Fees	Information Inserted successfully	As Expected	Pass

V. CONCLUSION

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. This project can stipulate university growth and development. The scope magnitude of change that are occurring in department today are both exciting and daunting, very particularly we are contemplating how we will manage the many streams of technological innovations pouring into our department and networked information world.

Some Of The Advantages From The Above Results

1. Reduce the time consumption
2. Reduce the paper work requirement.
3. Allow the users to check, modify the information.
4. Centralized Database to maintain the records.

6. Generating No-Due Certificates helps in issuing of hall-ticket easily.

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