

# SSJCET Computer Department Portal

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**Abstract:** This paper is based on carrying out various tasks which goes under department management. It will control all activities for a particular department. To handle all the tasks, system has been divided into different modules and presented on a single window, so that its user can handle it in eco-friendly manner. As most of the work is done manually or it is based on paper work such as class attendance, notes, library dues, asking for documents etc. These all process takes time. If we include all the work which will be based on online system, then it can reduce time and work. This system will also help the department administrator. Administrator will able to get all the information regarding any faculty members on particular day and time. Admin panel will also able to edit the login display panel of teachers, staff members, students etc.

**Keywords** — SMTP, Admin Panel, centralized database, internet enable mobile devices

## I. INTRODUCTION

Computer Department Management System is an affordable solution that gives Computer more value and continuous quality innovation for less than any other solution in the market. This caters to the needs to Computer Departments which have special requirement as compared to Computer Department like Multi-Year Plan, Results, Admission, Inquiry, SMS facility etc. It maintains all the information of an institute in a centralized database and allows each stakeholder (principal, teachers, students, etc) to view relevant information from anywhere at any time. Computer Department Management Systems - provides a complete On-Line solution for your Computer Department administration, Student Information, Results, Question Paper, Attendants are the main modules of this Computer Department Management Systems.

As most of the work is done manually or it is based on paper work such as class attendance, notes, library dues, asking for documents etc. These all process takes time. This report include all the work which will be based on online system, then it can reduce time and work. This is a system for carrying out the task of class attendance, online results and notice board so that their students can get all the

information by using their valid registration id and password . For student section, they can get any particular teacher's notes of particular day and other information regarding their campus, such as placement session details, upcoming companies in particular month, their criteria, their venue details and many more. Student section will also include learning section, so that students can prepare for their exams. Student section will also include notice board in which admin has rights to update the notice and then it would be available in student's homepage.

## II. LITERATURE SURVEY

Today in College students details are entered manually. The student details in separate records are tedious task. Referring to all these records updating is needed. There is a chance for more manual errors. Computerized college management system is developed to manage various information of students involved in college. So, that college can access accurate information quickly and easily as and when required, thereby improving its operational efficiency and effectiveness.

This system is an integrated this report application that handles various academic and non-academic activities of College/Academic institute. The system can access by every student/facilities/employees of the institution through this report connected computers or internet enabled mobile

devices with the aid of his username and password. Every user will have a customized home page with his/her profile management facilities. Through links that displays in the homepage the user can access different options of the this report site assigned to him.

Though the system allows access to every one there is a significant security risk involved in this project. To tackle this problem this report suggest a modular structure in the proposed system and a complete isolation of the financial and administrative modules from the public portal. Only trusted IP's can access these modules. This report services will interact to the financial and administrative modules to fetch necessary information to display in the public portal. Although a standard password policy will be follow this report in the designing of the system to prevent the possibilities of malicious activities of itching users.

This system provides the detail structure of the college campus and its departments. Department Management Portal System synchronizes the working of all the departments. It looks on all aspects of a college, its students, facilities, Departments, marks and other curricular activities. It is the easiest way to manage all functionalities of department. It is a value-added service offered by NEURAL, which facilities college to maintain the functionality related to college employees and their students.

### III. AIM AND OBJECTIVE

The aim of this report is to develop a this report application which will give statistical and analytical information. This report is designed and aim at providing a reliable, ecological and robust solution tone of the man y areas where this system and its features can revolutionize the existing system.

This is a web oriented application allows us to access the whole information about the college, staffs, students, facilities etc. This application provides any notice on notice board. Here this report 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 UT results, subjects, 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.

### IV. PROPOSED SYSTEM

In this proposed system the new changes 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 a student and delete a student when it is unnecessary. Here there will be facility of net connection, email facility is also provided.

#### 1. Administrator

The administrator will view the student details and also update and delete their information. Along he can upload and download the files from local system to server and from server to local system. Admin also has the right to update notice which would be available in student's homepage. Admin can also update photos and videos of assignments and questions bank for students in notice board.

#### 2. Student

Each student has to register himself and the student id is generated by the administrator whenever the student need to login he/she has to login using that student id. Once he logs into the system he/she can upload any file and can download the only authorized files not all files. There is also a provision of changing his Password accordingly.

#### 3. Login:-

Login module is used to check whether the user is an authorized person to use the system or not. For this the user should give the correct user name and password.

The different types of user are

#### 1. Admin

#### 2. Student

#### 4. Attendance

It is and automatic attendance marking system which records attendance data of a user and generates various reports for further action. It not only saves administrative cost but also facilities HR to centrally manage attendance policies from multiple locations. HR can easily utilize the software for employee review, appraisals or monthly salary calculation. Automatic calculation of overtime, leave balance, enables manages to work efficiently. Its standalone or network based operation is ideal for schools, hospitals, government institutes, banks, remote sites, hotels, small/large enterprises and many more.

#### 5. Notice Board

Moodle is an online notice board where you can create text etc. It can also share that notice board with other people. It is an ideal for making announcements. Only Admin can

update notice in the wall so that the information is available to students in their homepages. There is also an option that when the last date of submissions then there will be special notifications in student's page to submit their corresponding assignments.

## 6. SMS Generation

This module also includes Attendance System so that information of student's attendance is updated in every lecture of the particular day. At the end of the day, defaulter list is generated automatically of students who did not attend more than 50% lectures of the particular day. From the list students who are in defaulter list their parents would receive a message about the attendance of particular day and also an Email is generated to their parent's Email ID.

## V.SYSTEM ARCHITECTURE

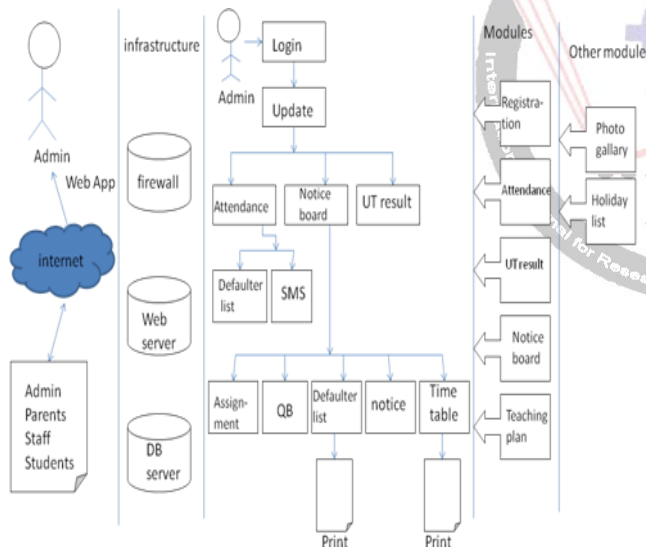


Fig 1: System Architecture

In the following system architecture it is divided in three parts in which first part is front end which front end is available for students, staff and admin. Middle part is firewall which provides security for transactions and provides safety for students data. Final part is transaction and it shows how the system flows. Login for staff, students and admin.

## VI. EXPECTED OUTPUT



Fig2: Home Page

In the following home page it's the main page in which any user can access college web page. Here there is separate login page for students, staff and login page. And there is a photo gallery to access and view photos.

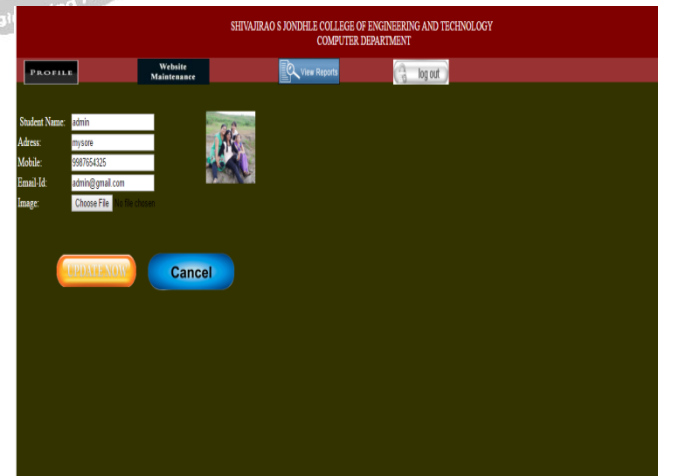


Fig 3: Admin Login Page

Admin login page contains information about the admin and his/her options to access more information. There is an option to add and delete students/staff.

## VII. CONCLUSION

The project entitled as **departmental web portal** is the system that deals with the issues related to a particular department.

1. This project is successfully implemented with all the features mentioned in system requirements specification.
2. The application provide appropriate information to users according to chosen services.
3. The project is designed keeping in view the day to day problems faced by a college.

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