

College Management Application

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ABSTRACT

This system is an application that can be accessed by the student through their smart phone as an android application and the high authorized person (TPO, Principal, HOD, De-apartment co-coordinator) through desktop as web application with proper login provided. This system can be used as an application for the Training and Placement Officer (TPO) of the institute to manage the student information with regards to placement and also carried out the placement activity. Students logging should be able to upload their information in the form of a CV, Personal details, Academic details. TPO, Principal, HOD, Department co-coordinator logging can access/search information put up by Students W.R.T. their authority. This system is an application to facilitate students in SSIERAS Institute to register them-self for placement, access visited company information, search and apply for jobs. TPO provides approval of student registration and updating, sending email to the eligible student, feeding the notification. This system provides information about the company which is to be visited to the institute for the recruitment, number of student placed in the company, placed students review, also institute placement policy, information about placement activity so that students may view and access their opportunities.

Keyword: - TPO Automation, Android, Database, server, Web server, Smart phone

Introduction

The proposed android application for T&P gives more easiness to handle the training and placement related information retrieval. The system enhanced with automatic mail system and dynamic notification system. The system gives priority wise data access to users. The use of Smart phones, Internet and World Wide Web revolutionized the provision of information and the facility for the user to take action on the information obtained. The use of internet enables T&P cell to manage placement process. This lead to a web based placement management system developed specifically by the placements practitioner and the software programmer to become Online Training and Placement system. This system is designed to improve the working of existing system. Whatever the information, TPO has to pass to the student and he or she can inform online. Improve accuracy in result. This system has user-friendly interface having quick authenticated access to documents. It provides the facility of maintaining the details of the students. It will reduce the paper work and utilize the maximum capabilities of the setup and organization as well as it will save time and money, which are spending in making reports and collecting data. This system can be use as an application for institute to manage the student information concerning placement.

1.1 Journal:- International Journal of Advanced Research in Computer Science and Soft-ware Engineering

Title:- An Interactive Online Training and Placement System

Authors :- Dr. Seema Shah, Prof. Kavita Shirsat, Department of Computer Engineer-ing, Vidyalankar Institute of Technology, Wadala, Mumbai

This paper describes the solution for problem which occurred in existing manual system. The major problem in existing manual system is searching and updating of the student data. The proposed system provides

automation in all the processes like registration, updating, and searching of the student data. And also when the user open the application at the front end all the schedule/events are available as notification.

1.2 Journal:- 2013 International Conference on Education and Educational Technologies

Title:- Design Paper on Online Training and Placement System(OTaP)

Authors :- Mr. Nilesh T. Rathod, M.E.(Computer Science and Engineering), Vidyalankar Institute of Technology, Wadala, Mumbai, India.

This paper describes the idea about the users and their authority. This makes the application more easy and attractive. There are mainly two users: TPO (administrator) and student.[1] The admin is the master user. Admin has the more number of priorities than the other users. The different functions involved are updating, approval. Student can register and can view/edit their profile details. This paper also describes the idea of automated email sending to the eligible students[1]

2. TITLE-2

Providing end user satisfaction by simplifying the work procedures and saving the time related costs. Improving reporting capabilities and the ability to retrieval the historical data. Reduce the work pressure of the Department staff. Provides the statistics of student placed. Informing students about the upcoming events going to take by T&P. Easy of storing, updating and retrieval of data. College management system is an integrated web application that handles various academic and non academic activities of a College/Academic Institute.[2] The system can access by every students/faculties/employees of the institution through internet connected computers or internet enabled mobile devices with the aid of his user name and password. Every user will have a customized home page with his/her profile management facilities. Through links that displays in the home page the user can access different options of the website 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 we suggest a modular structure in the proposed system and a complete isolation of the financial and administrative modules from the public portal. Only trusted IPs can access these modules. Web 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 followed in the designing of the system to prevent the possibilities of malicious activities of itching users. A self driven module in the proposed system will accomplish the automated tasks such as Email Alerts, SMS alerts, Notifications to the administrator etc.[2]

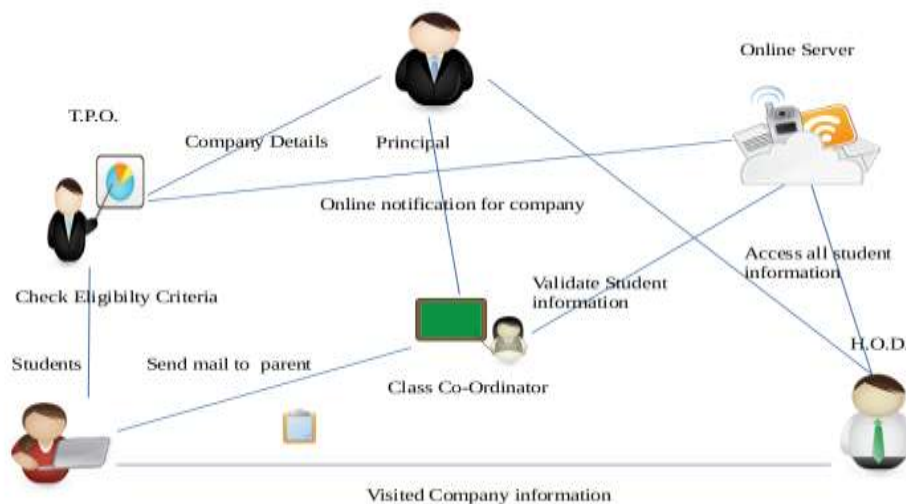


Fig -1: System Architecture

The system can be developed using Android Studio and MS SQL.

Some of the features of the proposed system are

1. Student Admission
2. Student Fee management
3. Student Attendance Management
4. Staff Attendance Management
5. Staff Payroll Management
6. Library Management
7. User Management

The system COLLEGE MANAGEMENT SYSTEM can be used to manage the data of all type of educational institutes. It will support both stand alone and also networking environment. The main modules involved in this system are:

1. Login
2. Forms
3. Reports
4. Window

Module wise description

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 users are

1. Admin
2. Student
3. Employee

This module consists of the following sub modules

1. Student Registration Form
2. Student Fee Form
3. Student Marks Form
4. Student ID Form
5. Employee Detail Form
6. Employee Salary Form
7. Employee ID Form
8. Course Detail Form
9. Library Form

The Student Registration Form is designed for registering the new students details and course details. The Student Fee Form is used to enter the student's fee details. The Student Marks Form is designed for submitting the semester or exam marks of the students for a particular course or an individual student. The Student Id Form is used to create the identity number for each student for different course. The Employee details form is designed for entering the staff details and other relevant details. The Employee Id used to create the identity number for each student for different course. The salary form is used to derive the salary for employees. The Course details form is designed for entering the different course available in the campus and other relevant details.

The Library module is used for the data process of library and book accessing for students and staffs.

4. CONCLUSIONS

We conclude that the proposed system removes all the drawbacks of existing system and enhanced with the automatic e-mail system and dynamic notificationsystem. The proposed system gives the automation in all the processes like Registration,Updation, Searching. It provide the detailed solution to the existing system problem.

6. REFERENCES

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