Improving the Web Portal with Android App for College System

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Abstract - Main aim in developing "Web Portal with Android App for College" is to provide an easy way not only to automate all functionalities of a college, but also to provide full functional reports to top management of college with the finest of details about any aspect of college. The system has the perspective of attaining attraction of those colleges which don't have one good performing software/App for keeping their information secure and make their management easier.

Keywords: web portal, functionalities, software, app.

I. INTRODUCTION

This system provides the detail structure of the college campus and its departments. System synchronizes the working of all the college, its principle, HOD, faculty, alumni and their students and other co – curricular activities. Our Project is the easiest way to manage all functionalities of a college. In which facilitates colleges to maintain the functionality related to college Environment.

This Project is a simple yet powerful one joint integrated platform that connects all the various departments of an institution like Administration, Staff details ,Share updates and many more specialized modules.A college is a highly interactive environment and collaboration between various entities is an integral part of its functioning. This collaboration not only takes place in the class room (i.e. teachers and students) but also regularly between management and students, Alumni, placement officer and students, among teachers, among students etc.

Purpose: This document describes the various functions of our project. The actual design of the various modules and components of system is described in this document, which takes care of various functionalities that our project aims to achieve and for determining the operating characteristics of the system.

Product Scope: Web Portal with in Android Application College is a web-based application for students,

Faculty, academic staff and parents who want to get and retrieve student's whole information instantly via internet. The major benefit of this web portal is to store the student's information at one place (like SERVER) and it can be accessed via online interaction. The web portal is to replace the old and traditional file storing process. Instead of tedious work, students will be able to submit required information electronically, and the departments will be able to evaluate the submissions with a much quicker turnaround.

II. LITERATURE REVIEW

In the survey of the system project earlier system was not computerized. All transactions in the system were done manually by maintaining records. It takes much time for a placement officer to collect and approve the details of students. There was poor communication between students and placement officer. Students may not obtain the desired information. It was difficult to coordinate students, companies and interviews.

The system was a web based application and maintains a centralized repository of all the necessary information. The system allows students to access details of recruitments. The system allows students to access any preparatory material posted by various departments. Recruiters can access the student details. It was easy for one to access desired information through the well-defined interfaces and on that many researchers.

Alumni Portal was an online medium used by the alumnus, students, teachers and the management of the college to interact with each other for the benefit of each other. There were various security factors related to the alumni portal like phishing, integrity of data and authentication of the user [1]. Various methods were adopted to counter these security issues.

III. SYSTEM DESIGN
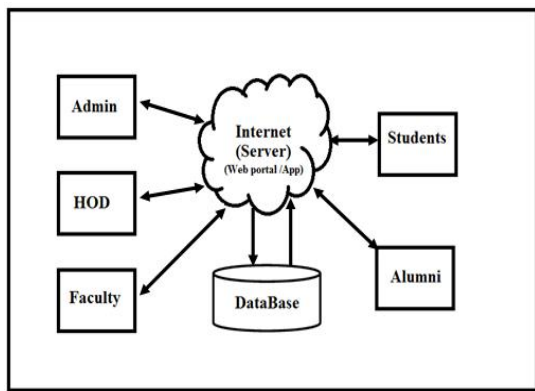
- System Architecture

Fig System Architecture of the system

In system architecture, there are various modules like Admin module, HOD module, Faculty module, Alumni module and Students module. Here each module is connected with database through server of our app. When any module request for relevant data from server, our web portal/app provide that data from Database.

IV.   IMPLEMANTATIONS

Web Portal with Android Application for College is a web-based application that tracks current student's academic information. It maintains academic information for ready access by office staff, students, their faculty advisors, and committee members.

The Web portal with Android App for college has been modularized into following modules.

- Implementation details of modules:
  1. Admin:- Principle
  2. Client :- HOD,Facu lty,Students,Alumni
  3. Server

There are various sub module are following.

- o Login module:
    The purpose of this module is to provide entry to the system or website. Based on the type of login, the user is provided with various facilities and functionalities. The main function of this module is to allow the user to use web portal/app. This moduleprovides two types oflogin: Admin login and Client login.
- o Administrator module
    In this module when the administrator will enter his/her user name and password, then he/she

willenter in to the administrator page and this page consists of following sub operation & sub modules. Similarly following module working on individual operation as per authorize.
- o HODmodule
- o Faculty module
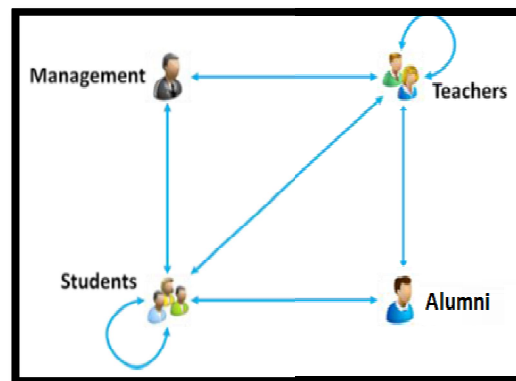- o Student module
- o Alumni module

Figure. Flow Interface between User

Here, Students and Teachers are connected with Management and alumni, which is shown in figure of flow interface. So, flow interface between users helps all modules to interact with each other.

V.   ADVANTAGES & LIMITATIONS

Your college community can share Day-to-Day notices, distribute study material, and do Day-to-Day discussions for knowledge sharing through Internet through your 'Official Web Portal for College with App'. You can also Invite Industry Experts and Corporate Representatives from anywhere in the World to get associated with you for a long-term! They can help enhance the Industry Readiness of your students.

- ➤ Advantages:
  - Online Notice Boards
  - Online Document Sharing
  - Online College Calendar
  - Time Saved
  - Efficiency of Use

- ➤ Limitations:

  - Internet Connection is required.

- Update is required.

- The portal industry is several years old, and vendors come into and out of the market every month. Since typical licensing and development costs are several hundred thousand dollars or more, vendor selection is high risk. The current volatility of the portal market and the lack of agreed upon standards argues for institutions to wait to jump into a portal unless there is a clear need or benefit that requires one.

- Developing a campus portal is a key strategic technology decision that will impact the entire campus community and every other strategic technology program such as college management system.

VI. CONCLUSION

This project has continuously useful for the user with web and its application. But along with this innovation, comes into presence the reliable environment for college. And also reduces the time complexity for any task of user. In near future, this application will be very useful. So, overall this will provide great experience for access of web portal/app.

VII. REFERENCES

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