NEW APPROACH OF CONNECTING LEARNERS TO FACULTY AND TO PROFESSIONALS SEEKING DEVELOPMENT

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ABSTRACT

In today's world the market is growing and the people all around need smart-work in all sense. Smart-work is also expected to sharing of knowledge. So, we felt there is need to connect the learners with professionals and professionals with learners and thus, the proposed system will achieve this objective. The current systems like Content Management System, Enterprise Resource Planning, And Web Content Management are content specific but our proposed system integrates all at single place. Everything is online today and is the need to develop a web-portal. So, the proposed system is the creation of a student development website, skill.clubofbelievers.com. This site will provide the academic community in all fields of advance technological education with a central, web-based resource that make it easy for stakeholders (students, alumini, professionals and teachers) of the system to create an interaction medium using the same platform.

Keywords:Content Management System, Web Content Management System, Enterprise Resource Planning

I. INTRODUCTION

Current industry principles for portraying website concentrate on guaranteeing interoperatibility crosswise over assorted stage, however don't give a descent foundation for automating the use of website. In today's world of education, every student is facing problem of quality and accurate information over internet through a single point. But, their expectations are not satisfied wholly. Today, students are addicted towards online usage for their study, that's nice. They always prefer online systems where their requirements get fulfilled. But, it is need to fulfil their need in a effective manner. In order to improve interaction between students, colleges and professionals while looking at the current scenario our system is working towards bridging this gap between stakeholders (alumini, students, industry professionals, teachers) of educational organization using a web-portal that integrates all the features in one single application. The basic idea behind this web-portal is to provide a gateway of useful information to every student.

II. RELATED WORK

A Content Management System (CMS) [1] is a computer program that allows publishing, editing and modifying content as well as maintenance from a central interface. CMS include web-based publishing, format management, revision control (version control), indexing, search and retrieval. A CMS serve as a central repository containing documents, movies, pictures, phone numbers and scientific data. In alumini relationship management [2] , a VIdegree cloud management system was used as a alumini database. VIdegree function that were applied to the alumini database included customizing the fields about the information, a comprehensive data relation mechanism for records, etc. A Web Content management System (WCMS) [3] is a software system that provides website authoring, collaboration and administration tools designed to allow users to create and manage website content with ease. In the world education, we see that every student is facing problem of "Quality & Accurate Information" over Internet. That's why we thought of this system i.e. Web portal which will solve this problem and provide desired information mainly to student of colleges/universities, particularly for rural students. Hence, this web portal will have very simple but dynamic requirements. As it is related to education, it will need continue upgradation in the system. The basic ideas behind this portal are "Provide gateway of useful information to every student" and maintain alumini relationship. According to the best of our knowledge, the above mentioned systems like Content Management System, Enterprise Resource Planning System [4] and Web Content Management System are all content specific as discussed earlier. But, our proposed system provides all these facilities in one single application.
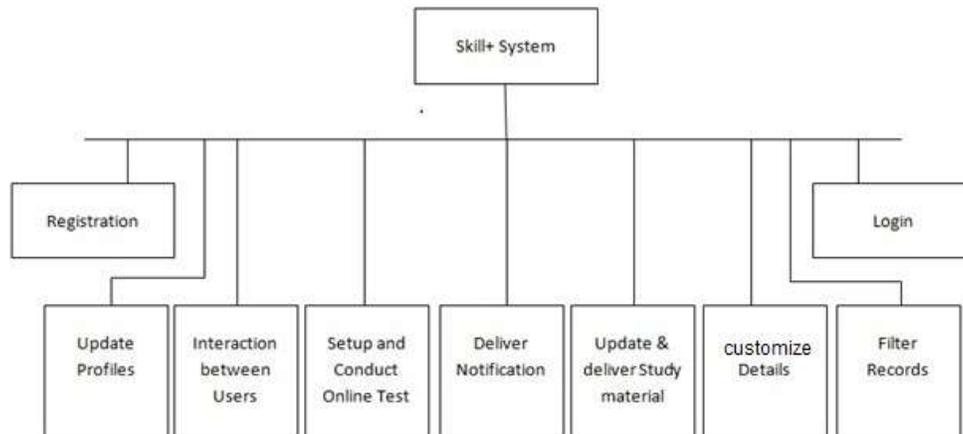
III. MOTIVATION

In the current education system which is manual in nature, considerable time and effort is required to maintain the information of all students of college organization, resulting in a waste of resources. This particular methodology is also unable to properly monitor records and ensure that they are accurate and up to date. The manual process requires that information of all students be stored in filling cabinets or other similar storage location where they can be retrieved later. However, due to the nature of the location of these data, it is accessible to a lot of people, both authorized and unauthorized personnel.

This can lead to a security as well as raise doubts to the integrity and consistency of records. Also, another issue would be the fact that records may be lost due to being misplaced or the disorganized nature of the storage area. The current scenario in rural college organization is that students are not interacting with teachers and professionals due to lack of confidence. Though college is providing necessary resources, but due to lack of proper guidance these resources are not utilized efficiently. The general objective of proposed system aims to design and implement a web portal for stakeholders (students, alumni, teachers) of the system that will provide benefit to organization which will consistently monitor maintained records.

IV. PROPOSED SYSTEM

The main and foremost goal is to create NETWORK of students and professionals to help each other for their skill development.
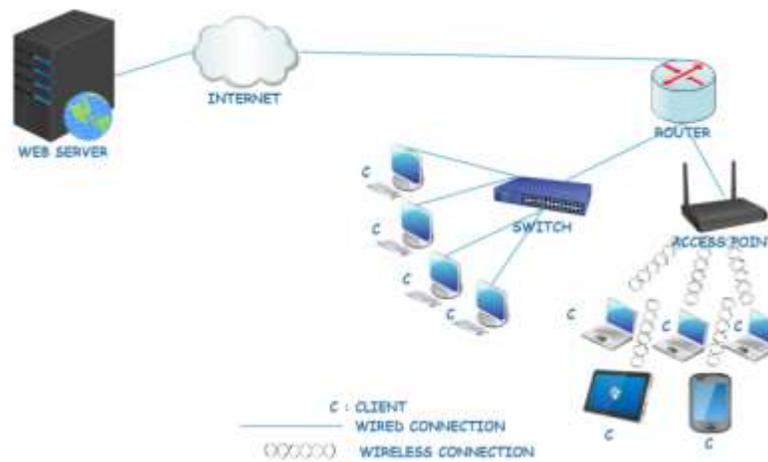

Fig.1 System Architecture

For this purpose, the system will contain the modules as follows:

*1. Registration module***:** This module will provide registration for students, teachers ,experts, company. All the students from approved colleges will registered themselves .Teachers who are experts in particular field will be registered. Company's account will be handled by HR of company. It will include details about company.

*2. Login module***:** This module will provide separate login to every user. All the registered users will be provided with username and password so that only these users will have access to system.

*3. Profile Viewer module***:** This module allows each user to view profile of other users for their purpose. This module will also be used by company's HR to view profiles of all registered students.

*4. Online test module***:** This module will be used if any company will wish to conduct the test to select the students of organization to work for their company. The college, if approved, can conduct the online test of that company. Test will contain timer.

*5. Review Result module***:** This module will contain results of online tests conducted. There will be review of result i.e. result analysis by company experts.

*6. Notification module***:** Notification module will help to send E-mail or Message to registered users and all the related notices will be delivered to students through this module.

*7. Discussion forum module***:** This module will help in interaction between students and experts. Students can ask their queries and experts can give suggestions and also career guidance.

*8. Study Material Delivery module***:** Study material delivery module will allow sharing of PDFs, documents, PPTs, etc. to students.

*9. Customize module***:** Customize module will allow adding new users (expert, HR, administrator). This module will also allow to update the profile if any user wish.

*10. Filtering module***:** This module will be accessed by company's HR. Through the profiles of students, HR will easily able to select the students among college as per company's criteria.

Fig.2 Deployment Diagram of System

The proposed system will be hosted on web server. Router will provide connections i.e. wired and wireless to devices (clients). The router will establish the connection between web server and particular organization (college or company). The end users devices (clients) may be a computer system (wired or wireless), mobile or tablet (wireless) that will be able to access the web portal. Thus, the proposed system will be used by any web enabled device.

V. RESULT ANALYSIS

Our system provides data security in the form of swipe card for the system administrator and proper credentials for the other stakeholders (students, professionals and teachers). The proposed system provides easy access to all stakeholders account and the complete access to his/her profile or expertise. The current system also notifies current updates to the stakeholders and keep them up-to-date. All the functionalities are available in single sign-in. Below figures describes some of the main functionalities of the system. As seen below, the administrator can add new college, its credentials, details of students, teachers and training and placement officer in the form of excel files. And after uploading these credentials, username and passwords will be generated automatically and mailed to particular institutes.

The figure 3 describes the notification module. From this module, the administrator can notify the stakeholders like students, teachers, college representative and professionals individually and multiple also. This provides efficient way for communicating.

Fig.3 College Registration Module   **Fig.4 Notification Module**

The figure 4 describes the account creation of particular college in online exam module. Here, database setup is done, account is activated, organization id for that institute is generated along with username and password and all these credentials are mailed to that institute by administrator. While setup, identification string is also mentioned.

Fig.5 Online Examination Setup Module   **Fig.6 Online Examination Module**

How the actual online examination will be conducted is shown figure 6. The questions for the test can be uploaded in two ways- either by user interface or excel file with questions. The uploading details consists the question, its four options, its right answer, time (in seconds) and marks for that question. And question along with its four options, timer, question number and marks are displayed on top right corner of screen and user can submit their answer. After end of questions result is automatically displayed on screen within few seconds.

Compared to other educational portals the research shown in Table 1 describes that the other portals lag many things as compared to the proposed system which creates a vast difference between proposed system and currently available system. Also the given portal supports modules like Conduction of Online Test, Study materials delivery which were absent in the current systems.

	NAUKRI	MONSTER	SKILL+
EASE OF USE	✓	✓	✓
SECURE REGISTRATION	✗	✓	✓
SUPPORT FROM SALES/SITE	✓	✓	✗
RELEVANCY OF SEARCH	✓	✓	✓
UPDATED PROFILES	✓	✓	✓
CONDUCT ONLINE TEST	✗	✗	✓
DELIVER STUDY MATERIALS	✗	✗	✓
FILTER RECORDS	✗	✗	✓
INTERACTION WITH PROFESSIONAL	✗	✗	✓

Table 1.Comparison with Other Existing Systems

VI. CONCLUSION AND FUTURE WORK

This system is an online system which will connect all students (Rural Areas) with professionals and guide them during their education. System is working towards bridging gap between stakeholders (alumini, students, industry professionals, teachers, etc.) of educational organization. There are many problems in finding jobs for students now, due to lack of skills in the rural students. Our system will provide solution to some of these problems with the help of this portal. The current system allows to interacting with professionals through our web-portal but this can be also implemented in future as a video conferencing. Also, this system can be extended on cloud. Currently this is a web-portal but can also be extended as an android app.

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