A NEW PRACTICAL APPROACH OF MANAGEMENT SYSTEM

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ABSTRACT: For all universities and organizations a customized and systematic solution is essential. In every institution there are many departments for administration and maintenance for college information and student database. This paper aims to achieve efficiency and maintain accurate information about college. We will provide easier interface for managing the data rather than maintaining manually in the documents.

Keyword: Knowledge Management System (KMS)

I. INTRODUCTION

The title of the project is "DESIGN AND IMPLEMENTATION OF COLLEGE HUB". This project is based on the concept of knowledge management system. Generally knowledge is the prime factor of many institutions is stored in individual members but not stored in the various ways that can be shared with others. This type of knowledge might be lost when a member stops working on it. Every institution requires knowledge management system which can store not only knowledge but also sharing to other members. This is a platform where we can extract, store, retrieve, integrate, transform, visualize and analysis of knowledge. Each and every one needs things to be done in an easier and faster way. So we developed a method which aims in developing administrative and managing all the departments of the college. Knowledge plays a key role to explain the performance of an organisation. In order to improve the process of construction and to save time and reduce the cost the knowledge can be shared and reused[13].

Knowledge can be defined as understanding a person has gained through observations, studies, experience, ideas, analysis, and procedures. Knowledge, it's a form of dynamic mixer of experience values, data's and incites [1]. More and more institutions and organizations choose project works as a flexible and reliable type for the development in their service.

In this paper it tells how an organization can electronically gather and store information. Finding and retrieving knowledge management system helps the user to search and locate information within a repository. This system allows permission to access knowledge database so that users can store and get the required information helps to get the relevant information of the college. It encourages and motivates the users to enquire about the college and its functioning. This is platform where it provides an attractive environment in which data and information can be manipulated easily. So we can tell that the main intention of designing this system is to manipulate and manage the related task of the college. Not only the students and staffs, but also outsiders can clarify their doubts by the help of blog provided in this.

We use this in the college as an information management system. For the given users such as student/faculty/outsiders can creates their account using a login id and password. The admin will activate or deactivate his/her account, only then he/she can have access. The front-end used HTML for client side with java script and php.

II.   SYSTEM MODEL

The figure describes the interaction between the user and the whole system. Here the admin manages the data through webserver with the help of data base. The user can view and get the information which is stored in the database by the help of webserver. The users and admin can login in to the system by using user id and password.
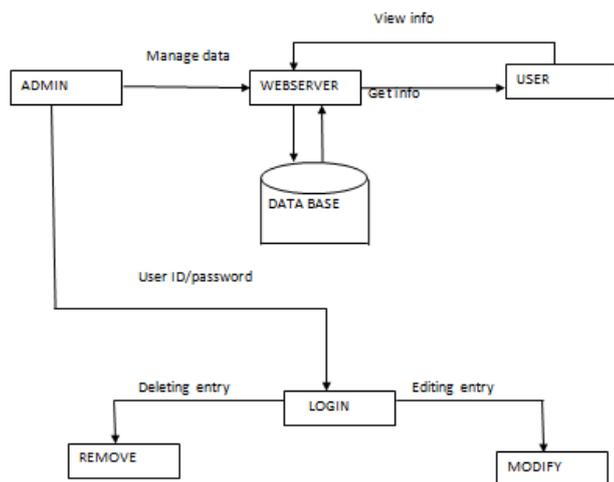

Fig 2.1: Architectural design

III.   LITERATURE REVIEW

Knowledge Management System have been used in managing knowledge, such as Software Engineering Knowledge, Software Testing Knowledge, Software Maintenance Knowledge healthcare and biomedical knowledge etc. According to, software testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test. So that, by handling the software testing process, the product that will be delivered to the stakeholders as main users significantly will become in a good quality of condition which according with their requirement.

In the year 2009 Yuanhong Liao's[1] paper on knowledge management system in project based organisation says that Knowledge can be categorized into: tacit knowledge and explicit knowledge (Nonaka & Takeuchi, 1995) .

Tacit knowledge resides in the perceptions and behavior of human beings; it evolves from people's interactions and requires skill and practice. In contrast, explicit knowledge is documented, public, structured, externalized, and conscious; it has a fixed content that can be captured and shared through information technology.

According to Zhi Gao [2] Knowledge management system as the backing platform of implementing knowledge management for modern enterprises, has attracted attention of scholars home and abroad

According to shailesh kumar[3] a KMS refers to a class of Information System that is applied to managing organizational knowledge. It is IT-based systems, developed to support and enhance the organizational processes of knowledge creation, storage/retrieval, transfer and application

Hua Jiang [4] has told Knowledge management strategic is a management conception which takes knowledge as the basic resources in organization and improves knowledge management to the strategic level; and other technology management, infrastructure management are focusing on it in system

Rusli Abdullah [5] shares his view about knowledge management system as Knowledge Management system (KMS) is something likes the Yellow Pages where it becoming as a system to serve community of practice (CoP) for looking of best practice of knowledge services in achieving the mission statement.

KMS also is a system used for promoting the best practice and lesson learnt in order to allow CoP to share their knowledge at anywhere and at any time [1]. In order to the features of KMS, CoP is also encouraged to deposit their knowledge into the system, so that it has been used by CoP through push and pull technology which are implied into the system

Zeti Darleen Erie and Amir Mohamed Talib[6] states that Knowledge Management System have been used in managing knowledge in different knowledge environments, such as Software Engineering Knowledge , Software Testing Knowledge , Software Maintenance Knowledge healthcare and biomedical knowledge

IV.   METHODOLOGY

This section describes about the various process steps. Main objective for implementing this project is to provide an application where a single application can provide every

information which will be helpful for students in present scenario. Majority of the educational institutes works on manual method, where data integrity and retrieval of previous data is not easy .By implementing this project it will overcome these problems and provide secure and efficient model for organizations for managing college data.

First we design a home page where the user needs to create an account. But admin has to go through admin panel and take the necessary actions such as activating and deactivating the user accounts. Once the admin activates users account he/she will be able to login with his/her registered user id and password and can access the required information. We have different categories in that for students, faculties and outsiders. If a person comes under student category he can just download the study materials and relevant information's according to the department in which he/she has registerd. After login we can fetch the necessary data and upload or update the data's in that page, and process is authenticated .Students are supposed to update or manage only student related records such as notes project details etc. The samething is applicable for faculties or staff members too. Only faculty can upload the relevant information of college and view all other details. Student and faculty from different college can share their information and can get the information through this system. A necessary helplines are provided for emergency communication. An online discussion forum is also provided in which anyone can post their doubt and queries according to the topics. A person can select the required topics which he/she wants and can view the previous quires and comments and can reply if necessary. Registered users can view the hostel details, library details and faculty profile and other details of the college. User can download the college application form and college calendar and college magazines and other details. When unauthorised person tries to login the admin will be notified. The system architecture aims at setting up a functional system prototype. This system prototype should use the Web as educational media in which it encourages teaching and learning, sharing, storing and updating information and to support efficient and customised learning ways which helps students in understanding the concepts of database. The product will be a standalone system that can run on multiple systems within a network. The product will need a keyboard, mouse and monitor to interface with the users. The main purpose our project College Hub is to provide

flexible communication between faculties and students. It is a web site that aggregates information of the entire organization and provide the required support for information retrieval of college functionalities whenever it is required. It also enables us to update information about happenings in the college.
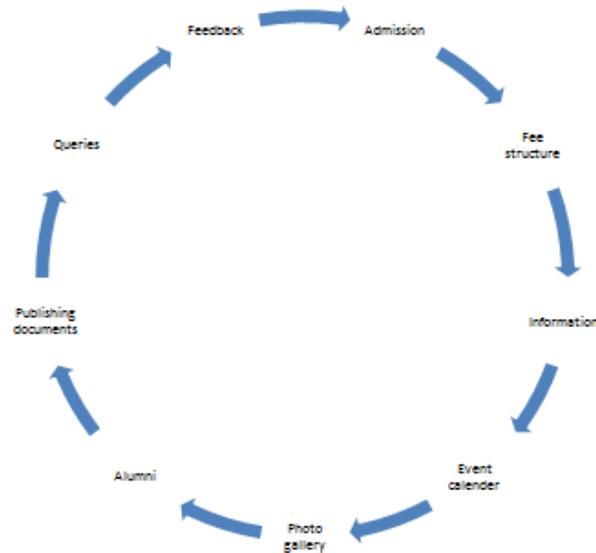

Fig 3.1 Modular diagram

Fig 3.1 shows the modular diagram of the system. The different modules are feedback, queries, fee structure, information, admission, photo gallery, event calendar. User can login and go to the required modules and can access the data.

V. CONCLUSION AND FUTURE WORK

This paper presented one of the ways that can be used to analyse the data of an organization to get useful information and help in better usage of technology. As a part of future work, there can be an android app with the same functionalities. Various other features such as attendance status, marks, and student details can be added if necessary.

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