The Influence of Institutional Information Sharing for Students

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Abstract - Knowledge barter means an exchange of goods/services/Knowledge without the involvement of money. On this very basic idea our whole project is built. Knowledge is the most important strategic tool for improving and maintaining organizational performance. Knowledge has become the essential part of every successful organization. This makes the organizations to put more effort in managing knowledge in a new systematic and effective way to accomplish it goals. Organization must be able to identify the need for introducing technology and process to contribute in facilitating knowledge sharing within the organization [2]. The main aim of this project is to bridge the gap between students by means of knowledge they possess and wish to gain more.

Keywords: - knowledge sharing, knowledge management, sentiment analysis, bridge, barter, profile analysis.

1. Introduction

Knowledge sharing has become one of the most important parts of knowledge management of organization. As knowledge management only in managing the technology alone, but it's also about how people can manage and share their knowledge among individuals in a very effective way [2]. In education industry, knowledge sharing able to do between students and lecturers in teaching and learning session that can improve learning process and help to create knowledge worker[1]. Knowledge barter is divided into 3 sections namely admin, mentor and student side. In the mentor section the users would be categorized as an expert of the field or a faculty of the college (of Gyanmanjari group of colleges). The mentor would have right to take few number of students for their monitoring and guide them accordingly. This would function as an internal network of the college.

The main features of this Project would be profile analysis, material sharing, chatting, guidance from an expert, exposure to new updating fields, Q/A etc. Mentor can easily bifurcate between students with different interests in different fields and can help them acquire brief knowledge in their respective field. For instance: - with the help of profile analysis, a student would be allowed to enter his field of interest like PHP, java, C etc. and the mentor would guide them of what would be more beneficial to learn next in this field. This would be very helpful at the time of placements, since the faculty would already have a database of the interest of the student and can suggest companies and positions in companies accordingly. Also students would be updated with the list of all the seminars in their line of interest. Students can ask questions and others can answer with some reference as to where the answer can be understood briefly and in a better way. The faculty can evaluate the performance and behavior of the student based on how active the student is in answering and how accurate he is and this can be decided by the likes and comments on that answer.

2. Literature Review

A Study on Student Behaviour Intention of Knowledge Sharing in Higher Education[1]: - The paper concludes that commitment, happiness, enjoyment of knowledge sharing Experience, and rewards from lecturer to the students can increase students' willingness to do the knowledge sharing. The happiness and enjoy the experience of knowledge sharing, will cause a person gains particular attitude to always share his/her knowledge to other people. On the other hand, the attitude to do knowledge sharing, will automatically trigger a person to do knowledge sharing. So, the important point for trigger the students to do knowledge sharing. In this research, we also can conclude that student's reputation is not affected the desire to do knowledge sharing. It means to increase students' willingness to do knowledge sharing, University can facilitate media for students to do knowledge sharing, and also lecturer can give additional points for students.

THE INFLUENCE OF ORGANIZATIONAL KNOWLEDGE SHARING ON EMPLOYEE MOTIVATION[2]: - This paper present knowledge sharing as an important influencing factor that motivate and maintain the employee's effort toward the

organization goal, this study further to explain how knowledge sharing can assist in motivating the employees to improves the quality of product and service within the organization.

System for Infectious Disease Information Sharing and Analysis: Design and Evaluation[3]:-

Paper conducted a controlled experiment to evaluate Bio Portal along some fundamental system evaluation dimensions and investigated its effects on user task performance, with particular focus on analysis accuracy, task completion efficiency, and user information satisfaction, system, usability, usefulness, and ease of use. This study generated encouraging findings that suggest desirable effectiveness, usefulness, and ease of use of BioPortal, which make several contributions to IDI research and practice. First, the designing and implementation of an advanced IDI system by addressing essential system development challenges pertinent to data/system integration, analysis support, and visualization. Second, it conducted a controlled experiment to evaluate Bio-Portal and its impacts on user task performance. The evaluation had methodological rigor and involved analysis scenarios and tasks common to public health professionals. Third, paper contributing to general practices in public health by providing practitioners with a conveniently accessible, easy-to-use system that enables them to generate better analysis results in less time.
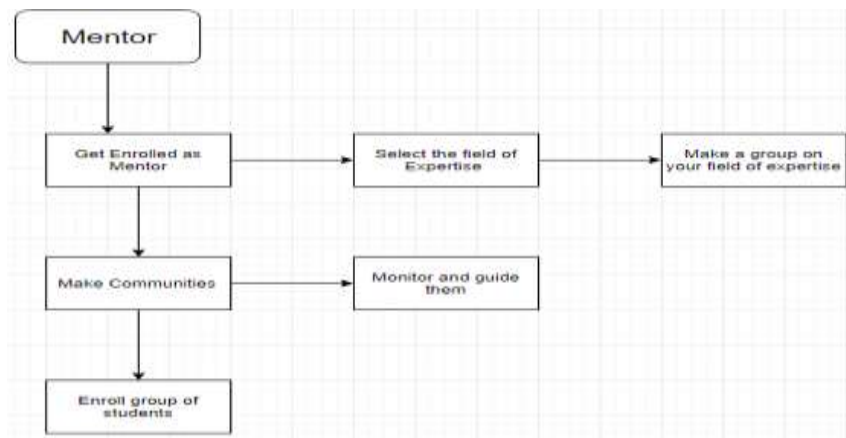
3. Proposed work: -

We have created an intranet or internal network for students of a particular college. This project consists of 3 interfaces: Admin portal, Mentor portal, Student portal. In Student Portal, Students would be categorized into 3 parts depending on their status in accordance to college. They could be either Alumni, Current students or Future students. Then comes Mentor Portal, in which there is an expert of a particular subject or a professor of the college. A mentor is a verified person by this website to avoid fake profile users and lastly Admin Portal, which is the super user and can handle everything and has all the rights reserved. An Admin works as an authority which handles data and provides rights to user.
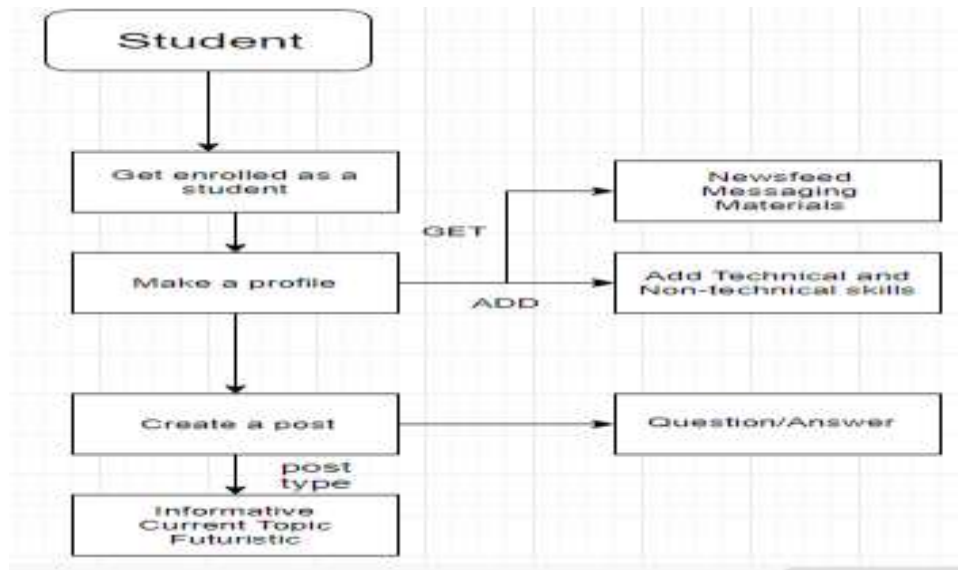
This project offers a lot of features with easy to use UI. This site can be used to share the materials of different subjects. There is a different page for Q/A where a student can ask questions regarding any subject and other students can answer based on the knowledge they possess.

For students we have tried to add as many features as possible and our aim is that it benefits them and prepares them for a job in their desired field. Many students are confused as to which field should they select and which are currently used in the industries. With the help of this website they would be able to build a profile which would be overlooked by a mentor and in this profile they would be able to add interests, check their newsfeed, chat with a friend, make albums, pages and save posts they find helpful. Based on the interests a mentor would be able to guide them of what more to learn and will also be made aware when a vacancy of their interest will be available in a company.

4. Implementation: -

For mentor module, first the faculty or expertise needs to enroll as a mentor while signing up, so they will be automatically verified. The process of enrolling is of few steps. First they would enter their field of expertise and other data and then they have to make a group/page for sharing important knowledge or updates on that field. The next thing they need to do is to make a community of few students which they would monitor. These students would be selected based on the interests they entered in their profile. All the students of a particular field would be monitored and guided by a faculty of the same field. Moreover, students following a particular field would be updated when a seminar is held on their respective filed by the expert.

For student module, while signing up the user needs to enter the details and select the option 'student' and enroll as a student. After enrolling, the student can create his profile where he can upload his profile picture and send and receive friend request for communication. Furthermore, the student can add the fields of interest and can get update on that in the newsfeed and can also share materials and chat with friends. The student has to add both technical and non-technical skills so that the mentor can evaluate profile. Moreover, the student can post whatever questions in their mind and others would reply as per their knowledge. The post should be mostly informative or on current trend or about a futuristic topic. Other students can like and comment on the post.
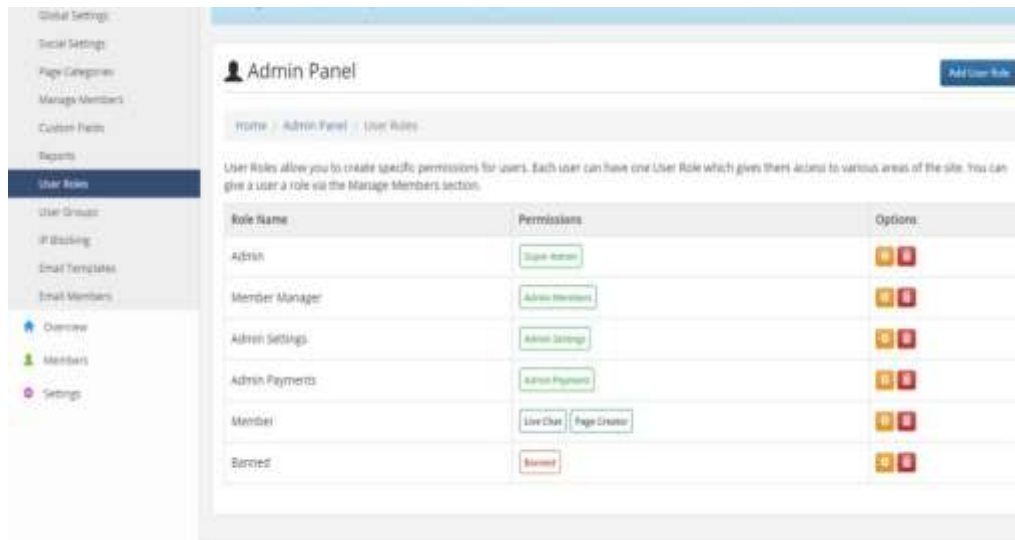
5. Results: -

Image 1: student profile.
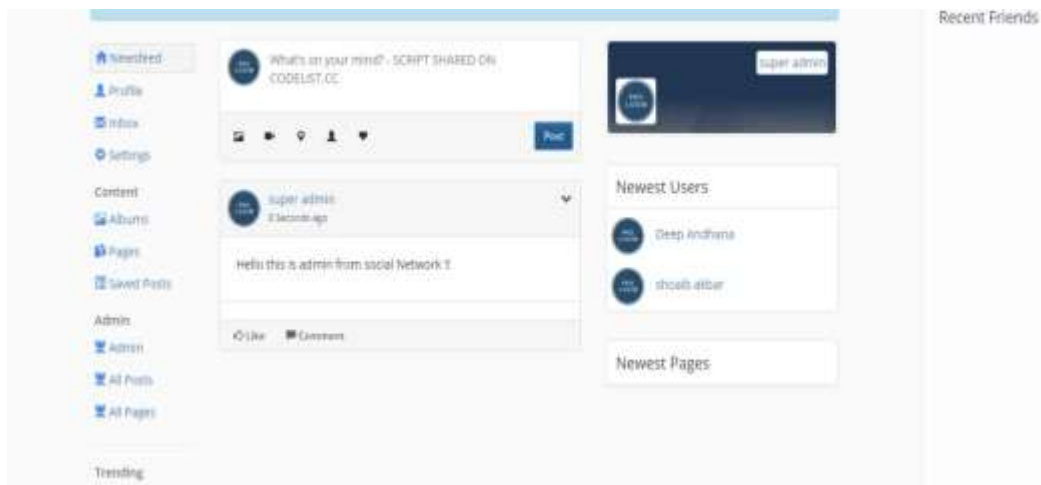
Image 2: Admin panel

Image 3: Admin newsfeed

6. Conclusion: -

The main Aim of this project is to monetarize and analyze the student activities about their technical and non-technical fields in colleges, which will help for their further studies and also for taking decisions in their career goals. There will be a section of mentors/experts where they are allowed to monitor the student activities. Students are also allowed to make their profile as same as LINKEDIN where they can build their profile based on their area of interests. At the end, this system is useful for the college students where students can get information related to their college and also can share their thoughts on the network and help each other.

7. Future Scope: - In future one can implement a priority wise newsfeed as per students area of interests. Also there can be suggestions of what to learn next based on their current interests which they added.

8. References: -

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