INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X
Impact factor: 4.295
(Volume3, Issue3)
Available online at www.ijariit.com

Online Intranet Knowledge Management System for College

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Abstract: ***This project is aimed at developing an online intranet knowledge management system that is of importance to either an organization or a college. The system (KMS) is an Intranet based application that can be accessed throughout the organization or a specified group or Department. This system can be used as a knowledge or information management system for the college. Students or Staff logging should be able to upload any kind of technical information. Students or Staffs logging in may also access or search any information put up by others. Knowledge Management System should facilitate knowledge sharing from the grass root level like project teams to the entire college or organization. The Knowledge Management System is a web-based system, which provides a platform for students and the staff of an organization or institution to upload any kind of technical or course related data. Students or Staffs logging in may also access or search any information put up by others. Knowledge Management System facilitates knowledge sharing from the grass root level like project teams to the entire college or organization.***

Keywords*: Knowledge, Knowledge Management System, Intranet, KMS for College, Organization.*

I. INTRODUCTION

It consists of three modules Admin, Staff, and Student, Where Admin can Add/Modify/Delete Departments, Subjects and Deletes the Documents or Staff or Student can share their technical knowledge. Student or Staff can upload the technical documents. Students can post the queries directly to the respective staff's inbox. Staff can answer the queries posted in their inbox. Thus, the software can be used as Knowledge management system for colleges. Students or Staff logging in can access or search the information uploaded by oters,

II.WORKING OF KMS FOR COLLEGE

ADMIN MODULE

- Can insert/update/departments and subjects.
- Admin can delete the documents uploaded by student or staff if irrelevant.
- View the feedback.

STAFF MODULE

- Can be registered with the application.
- Can search or view the information uploaded by others.
- Can upload the technical information.
- Can answer the queries posted to their inbox.

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STUDENT MODULE

- Can be registered with the application.
- Can search or view the information uploaded by others.
- Can upload the technical information.
- Can answer the queries posted to their inbox.

OBJECTIVES

- To provide interaction between staff and students of the institution.
- To store technical information of user respective department.
- To enable the user (staff/student) to upload/search technical data.
- To provide access to the information regarding research and development in the organization.
- To enable easy maintenance of data in the repository.

III.DESIGN

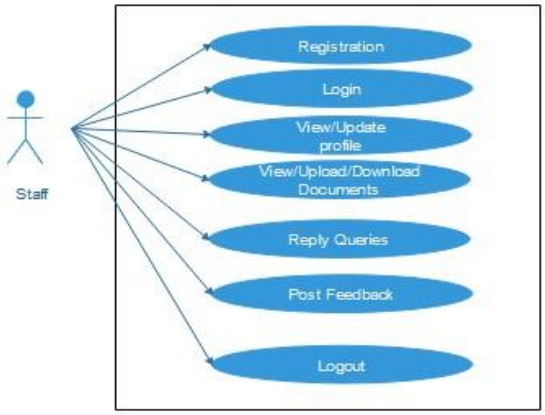

Fig 3.1 Use case diagram for staff

- Use cases for staff are to view or update profile, View, upload, or download documents, reply to queries and post feedback.

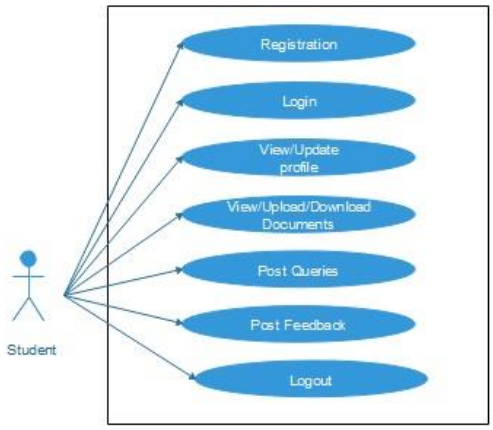

Fig 3.2 Use case diagram for student

- Use cases for the student are to view or update profile, View or upload or download documents, post queries to respective staff and post feedback.

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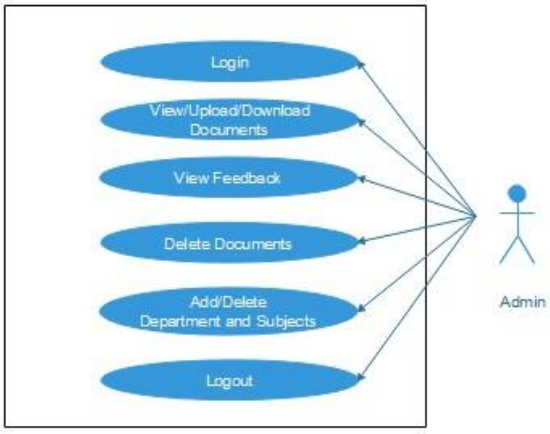

Fig 3.3 Use case diagram for admin

- Use cases for admin are to View or upload or download or delete documents, add departments and subjects to respective departments, View feedback posted by other users.

Fig 3.4 Conceptual Level Data Flow Diagram

Conceptual level shows the modules present in the KMS for college and how they communicate with each other.

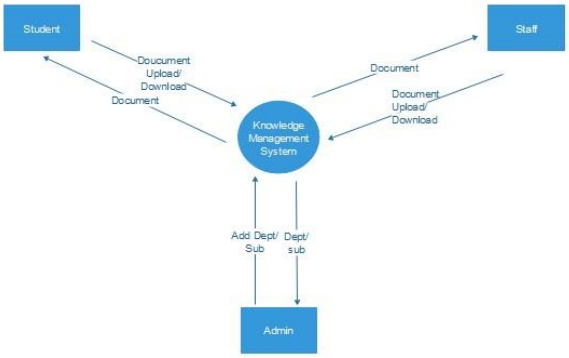

Fig 3.5 Level 0 DFD

At the level 0 the detail internal operation between the database and modules where it defines a module interaction with other modules and databases.

E-R diagram represents the relationship between the entities and how data is related to each other with existing correlation.

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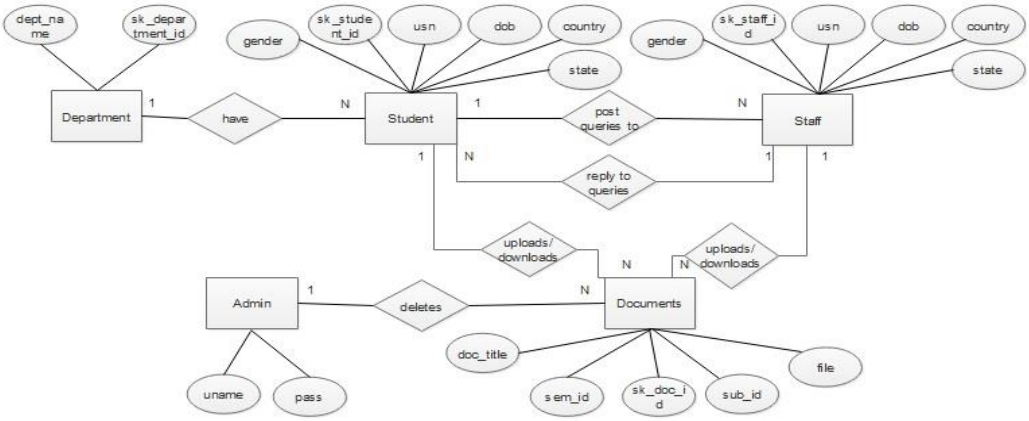

Fig 3.6 E-R Diagram

Algorithms
For admin:
Step 1: Start
Step 2: Enter admin login credentials
Step 3: Display admin homepage
Step 4: Select admin options from menu
Step 5: Logout
Step 6: Stop

For student and staff:
Step 1: Start
Step 2: Select registration/login
Step 3: If registration fill all details and register if login enter login credentials
Step 4: Display student/staff homepage
Step 5 : Select option from menu
Step 6: Logout
Step 7: Stop

IV. SNAPSHOTS

FIG 4.1 Home Page

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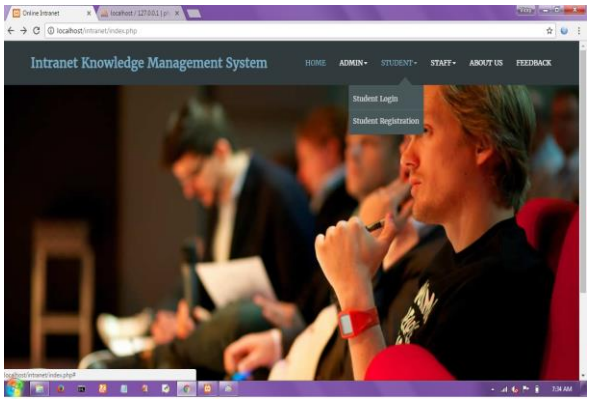

Fig 4.2 Admin, Staff and Student Login

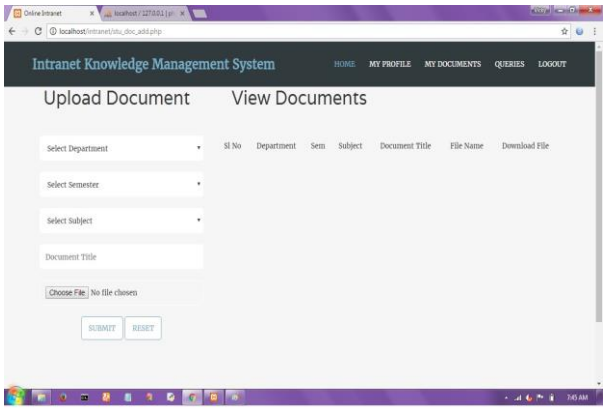

Fig 4.3 Upload or View Documents

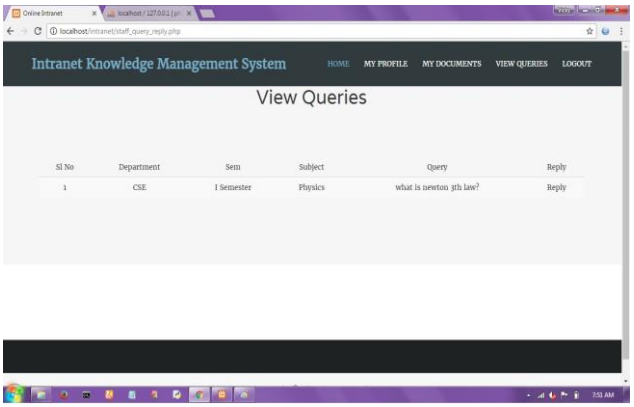

Fig 4.4 Staff view queries posted by the students

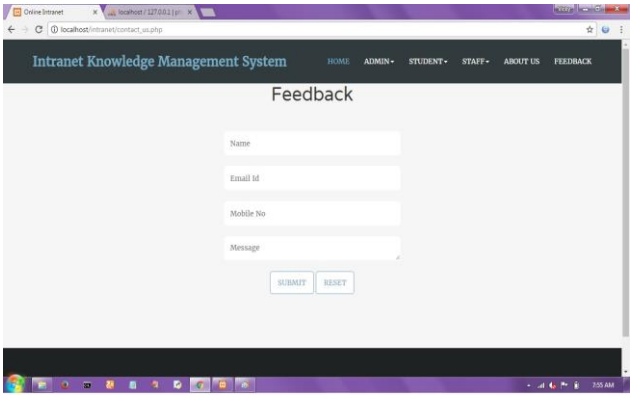

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Fig 4.5 Feedback

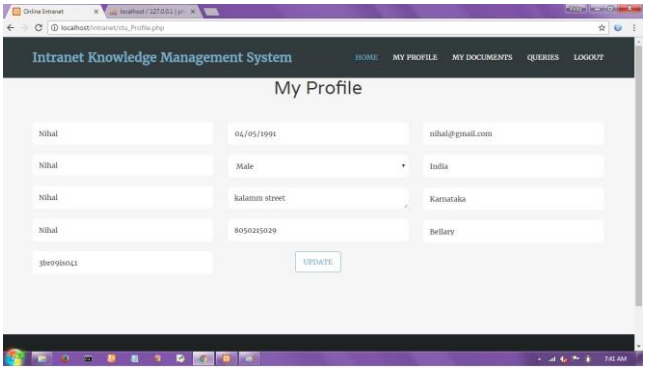

Fig 4.6 View or Update Profile

CONCLUSIONS

We have described here the design and development of a knowledge management system. This system is based on a conceptual model where various knowledge sources at the content level interact to realize an integrated knowledge network. Information technology is used here to realize an Intra-net-based framework that captures organizational structure and procedures and establishes linkages among all the documents. One of the important issues in this context is the maintenance of this knowledge network. This network resides in a dynamically changing environment and is subject to frequent changes and adaptation.

ACKNOWLEDGMENT

We take this opportunity to acknowledge few people without whom this project would not have been completed successfully. WE WOULD LIKE TO THANK OUR GUIDE PROF.VENKATESHWAR A We thank our principal Dr. V.C.PATIL for providing the required facilities. We express our sincere thanks to Head of the Department Dr. R. N. KULKARNI for his encouragement. We express our sincere thanks to our project coordinator Asst. Prof. P. Phani Ram Prasad and Asst.prof C K SRINIVAS for their constant guidance and support. We also thank the entire faculties who have helped us in completing the project successfully.

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