MANTECH Publications

Journal of Software Engineering & Software Testing
Volume 7 Issue 1
ISSN: 2457-0516 (Online)

A Centralize System in College

Taruna Dasariya[1], Ravina Gondane[2], Ashwini Muneshwar[3], Abhilasha Borkar[4]

Students[1, 2, 3], Professor[4]

Department of Computer Engineering

Cummins College of Engineering for Women, Nagpur, Maharashtra

Corresponding Author's Email: - *taruna.dasariya@cumminscollege.edu.in[1]*

Abstract

Centralize Management System (CMS) provides a simple interface for maintenance of documentation at centralize place. It can be used by educational institutes or colleges to maintain the records of documents easily. The creation and management of accurate, up-to-date information regarding a college documents is critically important in the university as well as colleges. Centralize Management System deals with all kind of document details like department documents, information of teachers, Students documentation, results documentation, certificates of teachers as well as students, students records, timetable records and all type of general documents that are related to college, teachers and students details and other resource related details too.

Keywords: *Centralize Management System (CMS), Software Requirements, SQL servers, ERP system*

INTRODUCTION

The design and implementation of the Centralize Management System is to provide service in institute and colleges. The system is to provide comprehensive documentation information system and user interface is to replace the current paper records. College Staff uploads documentation, college notifications through a secure, interface using web application. All data will be stored on the collage server and validated on the server before actual record alteration occurs. All data is stored securely on SQL servers managed by the college Administrator. This system will decrease the paperwork

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved

and time needed to access share records between departments.

In a Centralize Management System there are various sections and each section handles all student information and college upload their documents, download the documents from their portfolio, etc. It will help them to reduce data duplication, waste of space, storing same information will not happen, retrieval of data at lesser time. The aim of developing centralize system is php web-based application to create and maintain documents of college in one place where teachers can see or upload files without having any manual record. The selected documents or files can be downloaded directly to the local system of teachers. In the current system details are entered manually and maintenance of records is a tedious task. There is a chance for more manual errors and loss of data.

The current system requires lots of manual work, difficult to generate reports, redundancy of data. The ERP system for centralize management system is to override the problems prevailing in the current system. This reduces paper work, manual work, maintenance of data and records made easy. Accessing results from university database. The centralize system is secure, reliable and fast management system. The organization can maintain digital records without redundant entries. The valuable data/information can be stored for a longer period with easy accessing.

SOFTWARE REQUIREMENTS

- Text Editor Like VScode or sublime
- MySQL 5
- Apache Tomcat
- PHP

SYSTEM ARCHITECTURE

There are two functional components of this system i.e the admin, and the employee. Both employee and admin need to login in order to access the information. In this system admin has highest priority. Main functionality of admin is to add department, the employee and manage the database dashboard. Admin gives the login credential to the employee. Main functionality of employee login into system. After the login student has the various menu to do the task related their profile like view documents of department, view results, add certificates, view timetables. The main functionality of employee module is login to system and do the task related their profile like add documents, update profile, add results, add timetables related department and so on.

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved



Fig 1: Software Architecture, Use case and System View

MODULES

A. Admin

- Admin login to the portal and manage all the functionalities of centralize system.
- Admin can Add, Edit, Delete, View the records of department, teachers, documents and certificates, result and etc.
- Admin can manage all the details of department, teachers, documents and certificates, result and etc.
- Admin can Add, Edit, Delete, View records of teachers.

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved

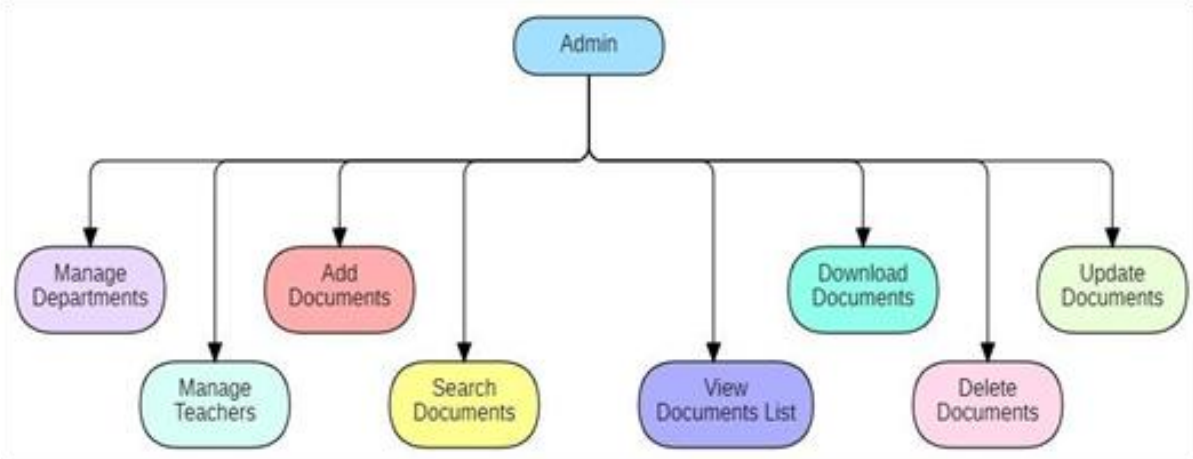


Fig 2: System module for Admin

Steps

- Admin login to the portal and manage all the functionalities of centralize system.
- In dashboard we can see the latest 10 documents.
- In latest 10 documents we can view and download the documents.
- Admin can Add, Edit, Delete, View, Search the records of departments, teachers, documents and certificates, result and etc.
- Admin can manage all the details of department, teachers, documents and certificates, result and etc.
- Admin can Add, Edit, Delete, View, Download records of teachers.
- Admin can Add, Edit, Delete, View, Search, Download records of Documents.
- Admin can Add, Edit, Delete, View, Search, Download the records of certificates.
- Admin can Add, Edit, Delete, View, Search, Download the records of result.
- Admin can Add, Edit, Delete, View, Search, Download the records of timetable.

Teachers

- Registered to portal (give name, Email, Mobile Number, Department etc)
- Get username and password.
- Login to the portal.
- They can select multiple departments if they teach multiple departments like CE, MECH, etc.
- Search for documents by Academic year, department, title name, description.

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved

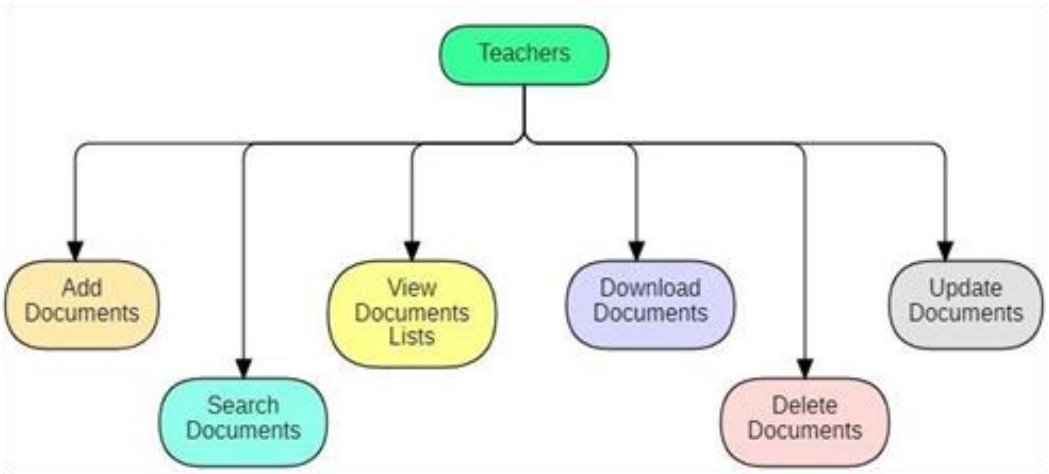


Fig 3: System module for Teacher

Steps

- Registered to portal (give name, Email, Mobile Number, Department etc)
- Get username and password.
- Login to the portal.
- They can select multiple departments if they teach multiple departments like CE, MECH, etc.
- Search for documents by Academic year, department, title name, description.
- Teachers can Add, Edit, Delete, View, Search, Download records of Documents.
- Teachers can Add, Edit, Delete, View, Search, Download the records of certificates.
- Teacher can Add, Edit, Delete, View, Search, Download the records of result.
- Teacher can Add, Edit, Delete, View, Search, Download the records of timetable.

CONCLUSION

The project as Centralize Management System is the system that deals with the issue related manual college management system for documentation. This project is successfully implemented with all the features required for college. The application provides appropriate information to user according to the chosen activity. The project is designed keeping in view the day to day problem faced by a manual document management system. Deployment of our Centralize Management System helps the college to reduce unnecessary wastage of time in doing work using manual document management system. The system is user-

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved

friendly, highly interactive and flexible for further enhancement. The coding is done in a simplified and understandable manner.

REFERENCES

1. Sourabh Salokhe, Supriya Patil, Savita Patil, Tushar Salavi, Snehal Mali, Rahaul Nejkar, "College Management System", International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 07 | July 2021
2. Lalit Mohan Joshi, A Research Paper on "College Management System", International Journal of Computer Applications (0975 – 8887) Volume 122 – No.11, July 2015
3. Mr. Adith S., Mr. Ajai Pranesh M., Mr. Gunaseelaraman G., Mr. Siva Kumar S., Mr. Hemananth B., "Collage Management System", International Journal of Scientific Research and Engineering Development-– Volume 3 Issue 2, Mar-Apr 2020

Page 23-28 © MANTECH PUBLICATIONS 2022. All Rights Reserved