

# Survey Paper on Mini ERP Web System

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## ABSTRACT

The research literature on ERP systems has exponentially grown in recent years. In a domain, where new concepts and techniques are constantly introduced, it is therefore, of interest to analyze the recent trends of this literature, which is only partially included in the research papers published. Therefore, we have chosen to primarily analyze the based on a classification according to six categories: implementation of ERP; optimization of ERP; management through ERP; the ERP software; ERP for supply chain management; case studies. This survey confirms that the research on ERP systems is still a growing field, but has reached some maturity. Different research communities address this area from various points of view. Among the research axes that are now active, we can, especially, notice a growing interest on the post-implementation phase of the projects, on the customization of ERP systems, on the sociological aspects of the implementation, on the interoperability of the ERP with other systems and on the return on investment of the implementations.

**Keywords:** ERP, Web System, Optimization, College Management

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## I. INTRODUCTION

ERP Software is a tool, application, or platform that essentially helps manages the myriad of processes in an educational institution, like a school or college. Every school or college has a multitude of time-consuming, cumbersome, paper-based processes that are often more trouble than the time and effort they are worth. A ERP software helps keep these processes running smoothly, but reduces the time, cost, and labor burden of keeping them running. It is a necessary tool that no modern school or college can function without. It makes schools or college more efficient, reduces time and labor burdens, and brings them into the new century since it capitalizes on an already technology-rich environment.

The main objective of college management system is to automate all functionalities of a college or university. Using this system you can manage all college management work like admission, fees submission, time table management and result declaration. Using this college management system you can view or update data and information about

students and staff easily. This system helps in managing the activity like student admission, student registration, and fees submission. Admin can also retrieve information of employee student.

The college management system can be used to store student information like attendance, fees, and student result etc. admin can create report regarding any student any time using this system. Using this system you can register new student and their course details. You can submit student's fees and can check fees details anytime. You can create exam result and submit in this system. Student can check their result online by logging to the system. You can also add new employee in the system and can check details of the employee easily. Student can also check course detail online from this system.

### A. Motivation

- To provide easy to access every department.
- ERP web system is providing the anywhere access within the same network.

- ERP system is for Teacher, Student and Admin to access particular specific data.

### **B. Problem Definition**

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.

## **II. LITERATURE SURVEY**

[1] This paper presents a new System designing method for job recommendation of College Graduates based on hadoop in China. With the enlargement of the scale of Chinese graduates and the improvement of the employing demand of enterprises, the employment situation of college graduates is becoming more and more serious. College graduates can't get satisfactory job, while enterprises can't recruit suitable graduates. In order to improve the satisfaction and efficiency of college graduates employment and enterprise recruitment, an intelligent employment recommendation system was designed in this paper which was based on collaborative filtering recommendation framework Mahout. With the system, the intelligent recommendation mechanism of schools, enterprises and graduates could be realized, and the employment efficiency, the satisfaction of college graduates and the efficiency of recruiting enterprises could be effectively improved. It is benefit to the employment department of colleges and universities in predicting employment trends and cultivating the students.

[2] This article adopts SSH2 frame-based B/S framework, and discusses a set of reliable, feasible and expansible system design and realization possibility of college students' entrepreneurial resource base. Meanwhile, it analyzes the involved key modules during construction and offers solutions intensively. After testing analysis, the students entrepreneurial management system effectively offers all functions involving request analysis, improves management process in students' entrepreneurial items, effectively improves work efficiency in students' entrepreneurial training project and realizes multidimensional data query in entrepreneurial management.

[3] The system adopts three layer structure of sensing layer, network layer and application layer, management information data acquisition of counselor institution of higher law by using VXI technology, the design of software development work management system is taken in Higher Colleges of political science and law in the embedded kernel, the barcode reader, intelligent electronic label reading and information

processing device and tag identification radio frequency identification and intelligent recognition technology for counselors daily management. The work of college counselors is the automatic monitoring of online monitoring with mining analysis, the system design adopts encoding, testing process, construction of network communication protocol with embedded controller PXI-8155, information storage and retrieval in Internet plus scheduling mode, the intelligent analysis and processing of the day-to-day management assistant of Higher Institute of political science and law system test is realized. The results show that using the method of management of higher law college instructors in the intelligent management level is higher, the precision and fine level is better, and it has good application value.

[4] In this paper, we propose a design for college student management system utilizing computer aided system, which can play an important role in college management. Firstly, we organize our proposed college student management system via a hierarchical structure, which contains (1) Web display layer, (2) Business logic layer, (3) Data access layer, and (4) Database layer. Secondly, ER diagram of the college student management system is described, and several elements are included in it, such as teacher information, department information, major information, class information, student information, course information, manager, employment information, comprehensive score and course type. Thirdly, functional module design for college student management system is provided, in which three types of users are designed in this system, that is, students, teachers and managers.

[5] This paper deems that higher vocational colleges should first implement such core strategies as creating characteristic knowledge database, facilitating mutual conversion between explicit and implicit knowledge, establishing learning organizations, enhance effective knowledge applications, etc. In addition, higher vocational colleges also need to implement a series of safeguarding strategies, for example, establishing knowledge management organizing system, consummating information infrastructure construction, vigorously developing human resources, establishing creative and incentive mechanism, etc.

[6] This article uses the estimate methods of famous international awards in developed countries for reference to study the estimate of college information management system in the viewpoint of practical application. To study the estimate of college information management system is significant not only for theory of estimate but also for practical worth. Carrying out the estimate on the designing developing applying and updating at the right time is a meaningful method for improving the quality of college

information management system. Assessing the domain application of college information management system will promote the progress of college information management system technology and exchange of college information management system application experience.

[7] With the development of information technology, the structure and applications of college management information systems become increasingly complex. On Construction of college management information systems is more difficult. There are many deficiencies in traditional methods of management information systems. This paper presents an attempt to understand the dynamics of the team collaboration process from an innovation research perspective for the construction of information system in college management. Through a MIS project case which is developed with team collaboration, this paper described how to use classes and modules to assure the procedure code's accordance and the development efficiency under the team working circumstance.

### III. SYSTEM ARCHITECTURE

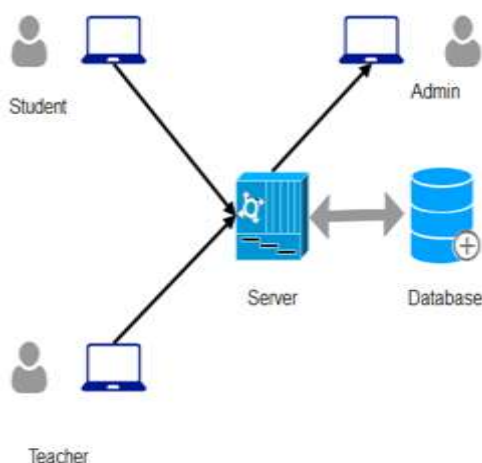


Fig 1. System block diagram

The proposed system consist of three different modules which are Student, Teacher and Admin

**Student module:-** In student module, student should have to login in the system while new student should add account to the system.

At the time of registration process, student should have to feel full name, father and mother name, and photo. Another field should be added at the time of registration which are branch, name, phone number. Student can see fees details after login to the system.

**Teacher Login:-** Teacher should register in the system with the information such as name of teacher, date of joining the institute, education details, and role of the teacher. After logging in the system, teacher can see the student information.

**Admin Login :-** In these module admin check all student and teacher records, also manage teachers and student.

### IV. CONCLUSION

The project entitled as College Management System is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification. The application provides appropriate information to users according to the chosen service. The project is designed keeping in view the day to day problems faced by a college. Deployment of our application will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information. Awareness and right information about any college is essential for both the development of student as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities.

### V. FUTURE SCOPE

Online examination module would be introduced to conduct online examination.

Scheduling of the staff. i.e. , time table setting of the staff

Further, the faculty can upload the videos of their lectures on to this site and students who had missed those classes can view those videos.

### VI. REFERENCE

- [1] Zhigao Chen, Wenqian Liang, "Research on the Accurate Recommendation Management System for Employment of College Graduates on Hadoop", 978-1-7281-3933-3 / 19 / \$ 31.00©2019 IEEE.
- [2] Jie Qiu, "Development and Implementation of Entrepreneurial Management System for College Students Based on B/S Structure", 978-1-5386-8031-5/18/\$31.00 ©2018 IEEE DOI 10.1109/ICVRIS.2018.00127.
- [3] Jieru Xie<sup>1</sup>, Xinde Yang, "Design and Implementation of Work Management System for Counselors in Higher Political and Law Colleges" 978-1-5386-1230-9/17 \$31.00 © 2017 IEEE DOI 10.1109/ICICTA.2017.49.
- [4] Liangqiu MENG," College Student Management System Design Using Computer Aided System" 2016 IEEE DOI 10.1109/ICITBS.2015.59 978-1-5090-0464-5/16 \$31.00 © 2016 IEEE.

[5] Song Li, Wang Zihong , “Probe into Implementing Strategies of Knowledge Management in Higher Vocational Colleges”, 978-1-4673-1931-7/12/\$31.00 ©2012 IEEE.

[6] Meng Fanbo, “The Study on Estimate of College Information Management System,” 978-0-7695-3860-0/09 \$26.00 © 2009 IEEE DOI 10.1109/IITAW.2009.106.

[7] Ren Yanhua, “On Construction of Information System in College Management based on Team Collaboration,” 978-0-7695-3860-0/09 \$26.00 © 2009 IEEE DOI 10.1109/IITAW.2009.105.

[8] D.Vimala, A.Sindhu, “Developing an Android Application for College Management System”, International Journal of Future Innovative Science and Engineering Research, Volume-2, Issue-2, JUNE – 2016.

[9] Nihaal Mehta , Sudarshan Shinde , Nishi Tikur,” Centralized Database for Android and Web Application”International Journal of Innovative Research in Science.

[10] Rakhi Joshi, V. V. Shete, S. B. Somani, “Android Based Smart Learning and Attendance Management System”International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 6, June 2015.