

Learning Management System

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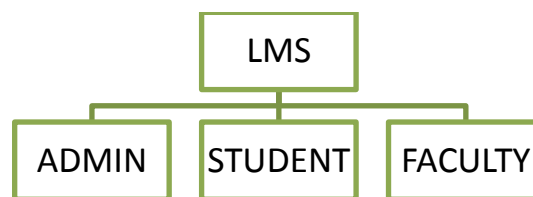
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Abstract: Learning Management System provides a simple interface for maintenance of different student, department, faculties, library and others information. All the colleges usually have a number of departments and educational modules such as courses, seminar hall, etc. Managing all these departments and other modules manually is a very difficult and hard, ineffective and expensive task. So here we propose an Learning Management System for college. Learning Management System has all the information about the students, teachers, events, library, departments and other respected information. The system allows the admin to manage accounts of all the users. Teacher can add stuff, schedule meeting, add attendance ,add grades, etc. Students can have access to all the stuffs provided by teacher. An online meet feature where online meetings and lectures can be conducted within the application only. An e-library, Notes section and Chat feature will be available. A discussion forum where alumni and students can interact. Technical News and T&P related materials will be available. The main purpose is to create a user-friendly environment, where students, faculty and admin can interact and the workload of each of one will be less.

1. INTRODUCTION

Learning Management System provides a simple interface for maintenance of different student, department, faculties, library and others information. All the colleges usually have a number of departments and educational modules such as courses, seminar hall, etc. Managing all these departments and other modules manually is a very difficult and hard, ineffective and expensive task. So here we propose an Learning Management System for college. Learning Management System has all the information about the students, teachers, events, library, departments and other respected information. The system allows the admin to manage accounts of all the users. Teacher can add stuff, schedule meeting ,add attendance ,add grades, etc. Students can have access to all the stuffs provided by teacher. An online meet feature where online meetings and lectures can be conducted within the application only. An e-library, Notes section and Chat feature will be available. A discussion forum where alumni and students can interact. Technical News and T&P related materials will be available. The main purpose is to create a user-friendly environment, where students, faculty and admin can interact and the workload of each of one will be less. An E-learning system provides high availability of information and sharing of information. The E - learning system provides interactive features between users and the system and also provides information that is easy to understand. The Quality of e-learning Information is to provide information that students need at the right time and also offer up-to-date information. An e-learning system provides high-speed information access and user-friendly environment. Web based learning (e-learning) is an indirect interaction with primary group stakeholder of education. The most common needs in e-learning education are accessible for individuals with disabilities and enhance the usability of online material for all students. Data mining techniques would be very useful for predicting attendance reports, performance reports and so on (No of student enrollment in all courses, total students activity for a whole course for a academicians/ instructor, student history of all courses taken, time spent in each grade) and economic reports (total enrollment of the course, income for specific periods of time of the course, total fees collected from the student for specific courses taken, total amount generated per student by a teacher for specific periods of time) ERP means the techniques and concepts for integrated management of business as a whole, from the viewpoint of effective use of management resources to improve the efficiency of enterprise management. It is important to settle Down the cost during the Erp implementation.

2. LEARNING MANAGEMENT SYSTEM



A Learning Management System (LMS) is a software application for the administration, documentation, tracking, reporting and delivery of electronic educational technology (also called e-learning) courses or training programs. Learning Management Systems promote a learning environment that leads to achieving the expected learning outcomes through encouraging student participation. There are many learning management systems available on the market; platforms offer a wide range of features for diverse users. The most popular LMS services among teachers are Edmodo, Moodle and Schoology. With the emergence of various Learning Management Systems (LMS), online and distance teaching and learning has steadily grown in popularity among teachers and students. Moving teaching and course content away from blackboard to the LMS can help teachers create a more dynamic learning environment and can also help students focus their learning and master learning objectives although they are unable to attend their classes. Moreover, such LMS platforms can help teachers to easily collaborate with other educators in the community.

2.1 Schoology: Schoology is a learning management system that provides a number of various collaboration tools and enables teachers to share e-learning courses, administrate classes, keep gradebooks and communicate with other teachers and students. Schoology offers the possibility to create course media albums in order to organize photos, videos and/or audio files for different courses. Teachers can allow comments on each item within an album. Students can have an option to upload

and tag media. By using Schoology, teachers can create an interactive discussion for students. Students can respond to any post by another student. The students' comments can be moderated, which requires a teacher to approve each post before it is published. Schoology can be used to create quizzes/tests and offers elaborative reports and statistics on students' improvement via the Gradebook. Teachers can grade assignments, quizzes/tests and discussions directly in the Gradebook, and students can easily view these grades under their Grades tab. Moreover, the students' progress can be evaluated against specific instructor-defined objectives.

2.2 Moodle: Learning management systems are becoming widespread technology adopted at educational systems. Moodle system is used to record the user experience in e-learning environment. In Moodle system, the user experience is recorded and must be studied and analysed to provide the optimal solution to meet pedagogical requirements of both students and teachers in all areas. In Moodle Learning management systems can offer a large variety of workspaces to smooth the progress of information sharing and communication among participants in e-learning courses. This study evaluates an open-source Moodle learning management system to help academicians create effective online learning communities using data mining techniques. The Moodle learning system is used to record the student's/participants interaction information is stored in the students log database for discovering new patterns from the log files using mining techniques.

The open-source Moodle system can be used in many applications. Moodle allows the integration of a wide range of resources, from chats and learning, Teachers can provide students with a large number of resources that they cannot usually show the classroom due to time constraints and accessibility. Moodle can be linked to any resources that are uploaded to one's server or that are available on the web-based learning. Moodle has pedagogical advantages since it was built in accordance with the teaching approach which emphasizes the production of knowledge through active and interactive learning. The learning context interaction is stored in the Moodle log files.

Moodle Learning management system helps to find optimal ways of learning and optimal learning results. Moodle system plays a vital role in terms of measuring student's knowledge skills and disciplinary practices. Moodle log files help the instructors to pre-process the data, predict learning strategies and summarize the website structure according to learner's interest by applying mining techniques... Using this Moodle system students emphasize this method and makes the learning processes easier and more interesting.

3. EXISTING

Every college has to maintain a management system for various sections which may include performance analysis, attendance system, test wise result, student information, fee structure, academic information, transport facility, staff information and many more. Managing all these sections manually on paper becomes very time consuming and complex tasks. In such system there is high possibility of misplacement of collected data and data redundancy in the form of paper records in order to overcome these drawbacks there is a need to design and implement College ERP system where a college staff can track a student profile in all aspects of academic course.

System study of such system shows that all the booking was done manually on registers, which was very complicated job. Report generation of all records was also not possible in the existing system. Also the work of college was manually maintained and stored. All this data is maintained through register or file system in the college. Current mode of working is based on manual system in which the all the data is first received from respective personnel and then entered in the registers or files. It is very complex job and time consuming also. The existing system is also dependent on students, if the students are absent. Then performance of student will be affected. Due to huge volume of data, a lot of problems are

involved in maintaining, updating and retrieving selected information. In existing system for in majority of the college campus for maintaining the records and other information is annual process. It is difficult to prepare the manual work to store the information about the all students, teachers etc. Report generation of all records was also not possible in the existing system. Also the work of college was manually maintained and stored. All this data is maintain through register or file system in the college. The existing system is also dependent on students, if the students are absent. Then performance of student will be affected. Due to huge volume of data, a lot of problems are involved in a in taining, updating and retrieving selected information. Since previous system is totally maintained manually, some of the difficulties involved in existing system are as follows: -

1. Redundancy of data.
2. Difficulty in updating the data.
3. non-centralized data.
4. Delay in retrieving information.
5. Problem for keeping the data.
6. Not proper retrieval of information.

4. PRESENT

By having one main system they can interact with each other from their respected system by having valid user id and password. The main goal of the entire system is to provide a user-friendly interface and powerful data system which make this system more useful. ERP on college management system reduces the most of the human work that are done earlier to managing the college system. Only a person that is having an administrative authorization is enough to maintain all the reports and records of the system. The security can also be provided as per the requirements. Student will improve their interaction skills by using our proposed system. Proposed system will also help the college to manage their records an save natural resources and job gets done in less time compared to existing system. All the users get the information without delays because of real time use of proposed system. It helps to reach to every student and faculties in the college in very less time.

PURPOSE: It can be helpful such that - Records are always updated. - Manpower is decreased or reduced. - Large amount of data regarding college and their modules can be stored. - Maintenance of file is efficient and flexible. the main purpose of designing "Smart Campus" is to manage the task related to the college students/teachers and to reduce time to searching of appropriate information related about college.

- a) Advantages · Easy access to find out the details. · Safe and secure of data or information and files. · Lowering the task weigh · Increasing efficiency · Better control · Real time reports · Better student relations
- b) Disadvantages: · The success depends on the skills and experience of the workforce, including education and how to make the system work properly. · Sharing internal information between departments can reduce the efficiency of the software

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CONCLUSION

Title of the project as Learning Management System is the system that deals with the issues related to a particular institution. It is very useful to the student as well as the faculties to easily access in finding the details. This project is successfully implemented with all the features and modules of the Learning management system as per requirements. Various problems regarding Automation of information, maintainability and accessibility of records, etc. are been solved. This project is designed keeping in view the day to day problems faced by a college system. This project is designed keeping in view the day to day problems faced by a college system.

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