

E-Learning Project -A Survey

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Abstract: Most universities in India face many educational problems and obstacles that technology can help to overcome. An open source, such as Moodle e-learning platform, has been implemented at many Indian universities. Moodle could be used as an aid to deliver e-content and to provide various possibilities for implementing asynchronous e-learning web-based modules. This paper shows that the use of interactive features of e-learning increases the motivation of the undergraduate students for the learning process.

Keywords: e-learning, higher education, motivation, web-based education

1. INTRODUCTION

Research examining the effectiveness of e-Learning has increased in recent years. This is primarily due to the increased possibilities for IT and learning as well as increased political and organizational attention to ‘what works’ in learning. Web-based learning is used nowadays as another option to face to face education. As a matter of fact, its use increases in a direct proportion with the increase of the number of students. This has made educators exert a lot of effort to help the learners to get interactive content that is full of multimedia as it has been proven that it has a significant effect on the process of learning. The impact of blogs and wikis has also been investigated on learners' collaboration and reflection and it was reported that they both have a positive effect. E-learning has been introduced as a tool in the learning process in the majority of the international universities worldwide. The term “e-learning” is defined by [9] as “any learning that involves using internet or internet.” A year later [8] made the definition more generalized by indicating that it is “anything delivered, enabled, or mediated by electronic technology for explicit purpose of learning”. According to [7] “e” in e-learning should not stand for electronic; it should be an abbreviation for “evolving, enhanced, everywhere, every time and everybody.” In fact, the quotation of [7] shows most of the advantages of e-learning for learners and instructors. The increased use of e-learning among educational institutions has led to a change in higher education. According to findings, there has been a rise of about 12-14 percent annually in enrolment for online learning over a five year period: 2004-2009 after secondary education [2]. One of the main reasons for this is it gives students' greater access to education in comparison to traditional methods of teaching as students can undertake their study from anywhere and at any time as well as being given the option to study part-time or full-time [3]. E-learning has transformed the educational sector by enabling students to share information and data in a relatively easy way.

Motivation on Study:

It is essential for teachers to understand their students' motivations. Although students take online courses with the intention of successfully completing them, they tend to fail for a

number of reasons. The success or failure of online instruction is perhaps related to student motivation., in the online environment.6. interact with their students by monitoring the online presence of them and supplying them with continuous feedback. construct their learning materials and environment to target their students. 8. facilitate the students' interaction with the online material by explaining the goal behind designated tasks. 9. be aware of students' frightened, worries and nervousness because such anxiety may have a negative effect on their accessibility and motivation. All of these approaches could be crucial tools to develop new strategic teaching plans that might assist lecturers to influence learners' level of motivation.

Purpose of E-Learning System over Existing System:

The purpose of E-learning Management System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. E-learning Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

Project Modules: o Registration:-

In this, first the interested students get registered by selecting their desired username and password and by providing the necessary details. Then each user profile will be maintained which can be edited by the user when desired. Each person will register only one time. Details of each person along with their username and password is saved permanently in the database.

Login: After providing the correct username and password, the user log's in to the e-Learning system's homepage. There the user can select the available subjects to further learn about them. If user enter wrong username or password then they block their account temporary and after some security verification they will able to access their account.

Homepage: After providing the correct username and password, the user log's in to the e-Learning system's homepage. Here at the homepage there are many choice for user to learn different languages like C, C++ ,Java etc.

User can take following helps:-

1. Tutorials about the language.
2. View programs in the language.
3. Download notes and programs.

Future Scope of the Project: In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

- We can give more advance software for E-learning Management System include more facilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute the loads of the system

- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers .

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Assignment and Student. Also, as it can be seen that now-a-days the players are versatile, i.e. so there is a scope for introducing a method to maintain the E-learning Management System. Enhancements can be done to maintain all the Assignment, Student, TEACHER, QUIZ,

2. CONCLUSION

This paper reports on an assessment of the impacts of an e-learning system on individual students for student education in India. This paper indicates that the use of elearning system positively affects the individual impact. Importantly, the findings supported a number of results reported in previous literature regarding the impact of e-learning systems on individuals. It also helps provide basic information, which, in turn, helps students take important decisions effectively and accurately, thus increasing the overall productivity of the process of teaching and learning. Finally, this paper highlighted the cloud computing model as the most useful for measuring and developing this e-learning system on individuals.

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