CLOUD BASED E-LEARNING PORTAL

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Abstract – *Cloud computing infrastructure is a great place to provide a good learning environment for students using a shared e-Learning platform. To facilitate sharing, reuse, and interaction between different learning content, three layers of e-Learning platform are provided. In the middleware layer, reference and metadata modules support the exchange of metadata Learning levels. and describes the components that make up the health predictor system. users can use this cloud-based web application anytime they feel uncomfortable in their lives and try to ignore it. They can visit the app and provide details of their problem and other information related to their bodies such as weight and height and based on that our app will provide accurate information related to their health. There is no limit to access resources.*

Because of this, students can use the available resources without having to deal with another LMS. Cloud-based e-Learning platform will allow independent LMS to be embedded in different levels of e-Learning to share learning materials. In short, cloud computing will make it possible to access a large number of learning materials honestly and flexibly online.

E-Learning technology aims to improve learning outcomes by improving the use of e-learning technology and creating new teaching. Computer science e-learning plays an important role in developing student technical, design, and development skills. Through the use of E-learning technology tools, educational technology aims to improve the intended learning outcome and enable the establishment of education.

Key Words: AWS, Cloud Based, CSS, Database, Education System, E-Learning, html, Smart Learning, JavaScript, MySQL, php.

1. INTRODUCTION

Cloud Computing means copying, modifying, and accessing hardware and software resources remotely. Information is essential in the era of globalization Cloud Computing provides the support you need.

With the advent of technology, sharing and disseminating information has become much easier. Service can be used without consulting cloud service provider. The term 'e-learning' refers to all the communication tools used in teaching and learning.

Well-designed and interactive learning environments that everyone can use in a student-centered environment are becoming a solid learning curve in the modern way of carriage.

Researchers are increasingly paying attention to e-learning as a way to improve the delivery of knowledge and skills around the world as an effective means of common face-to-face approaches. In the e-learning era, access to effective and quality education is widespread and straightforward.

However, efficiency depends on how information and communication technology are used. Electronic learning strategies require e-learning institutions to build and maintain all applications and tools.

2. PROBLEM STATEMENT

With the freedom to study in their own environment and to take the class many times, students are more likely to absorb and retain their ideas better than they could in the classroom. Also, consider the busy schedule of your regular work, which rushes to meet deadlines. Security and Privacy: Malicious security, spyware, and other potential privacy threats. Availability: Even with obsolete operating systems, access means a normal service guarantee (24 × 7).

A virtual classroom can be a very rich learning experience that can even surpass the level of training that you might experience in a crowded classroom. There are four main types of e-learning: CD-ROM, Network, Intranet and Internet.

There are various ways to present content, including text, audio, video and animation. It is self-study, and self-study. Learning new things, a new process, or a new system can be made more enjoyable through e-learning. Make reading fun - or interesting - and it will work better. It incorporates a variety of technologies and educational tools.

Text, images, and sounds all work together to build memory in the brain. Engaging in games, quizzes, or by manipulating something on the screen creates more interest, which builds better retention. E-learning courses can provide immediate feedback in the event material is misunderstood.

3. LITRATURE WORK

[1] The Internet is a place to read web pages that allow users to learn about the environment and use evolving software applications. As the rapid growth in the use of cloud computing facilities, more industries shift their focus from investing in processing power to hiring processing capacity from a specialized vendor but the education sector is no

different. Electronic learning systems often require a lot of hardware and software resources. Cloud computing technology has revolutionized the way applications are developed and accessed. They are intended to use applications as services with advanced Internet infrastructure. Now, Cloud computing introducing an effective rating system can allow the creation of an E-learning system to be delivered to providers and provide a new E-learning mode. Therefore, an E-learning system based on Cloud computing infrastructure is feasible and can significantly improve investment efficiency and management capabilities, which can make the development of the E-learning system a positive and beneficial asset provider. and customers.

[2] E-learning testing is an important aspect of the whole e-learning process. There are a few factors to consider during testing. In recent years, several sets of items, called Key Elements of Success, have been defined to provide a structured approach to testing. They focus on many aspects but, in our view, do not take students' academic satisfaction seriously. For e-learning applications, the learner's perspective should be assessed where it is presented: on the e-learning contact pages and / or off-page contact pages but directly on the e-learning subject. The problem is that these resources are not standardized so it is important to set up these resources before using them for testing. In this paper, we discuss a proposal that can capture the reader's attention on social media pages, combining several techniques, such as Natural Language Processing, Information Extraction; ontologies help us to understand what and how students are discussing e-learning.

[3] In an era known as the technology and knowledge society, where lifelong learning is a way of life, it is important for educational institutions to have the primary goal of finding effective ways to provide new learning opportunities, student characteristics, teacher training, economic crisis and technology development in an effort to make learning more effective. and innovation in higher education. At the Guarda Polytechnic Institute, Portugal (IPG), we recognize the need and opportunities to create and develop new e-education courses (e-Learning, mixed learning, mobile learning) in order to engage and motivate students according to their needs. So, over the past decade, we have created and implemented a set of institutional objectives for teaching electronic courses that aim to provide content online content, easy access anywhere. This paper presents the results and summarizes the data collected from the time we used the mobile learning solution in March 2012. But the main purpose of this paper is to present our strategies, vision and objectives when we talk about e-learning without topology. . We believe that "cloud learning" is the next step in the field of e-learning. This decade has taught us that some of the components used in the e-Learning system need more attention than others in terms of creating new, effective and powerful learning opportunities.

[4] E-Learning is a method of teaching and learning that uses information and communication technology to communicate and collaborate in the educational environment. This includes a technology specialist who will add standard classroom training with web-based resources and learning environments where the educational process is available online. This paper highlights the importance of e-learning in higher education at your level and the growth of Indian LIS education. Some of the major Indian initiatives and targeted categories covered by online education are also detailed in this article. Emphasizes the importance of vision in relation to information and communication technology, so that future leaders can better prepare themselves for this technology. The paper presents a future vision for e-learning in India, where the need for higher education is no different from that seen in developed countries. E-learning was considered useful for grade-only programs. But no one can deny the fact that e-learning is the newest online program and has done wonders all over the world and is currently benefiting from the education class as well.

[5] This paper outlines the security aspect of e-learning authentication. The primary goal of this study is to gain validity in order to identify a legitimate user. The Internet is open to all users to access and share information. At the same time, user hackers are also, to test the web application and infrastructure to understand its structure, identify potential features, and use these vulnerabilities to break or exploit the application. Through the verification process, we can overcome the illegal use of the application. We have proposed various RIPEMD -160 verification algorithms. RIPEMD- 160 downloads complete secure authentication.

[6] Primary education replaces university education with a growing capacity, especially for lifelong learning. Primary education requires well-organized organization and resources management tools, which is an e-learning platform. Universities in the early stages of portfolio implementation may face many technical and organizational problems. This article is based on the views of educational institutions where the site is used with rare financial resources by a few academic staff with little experience in the field. The authors point to a number of important issues, such as: analysis of school requirements regarding grade education server resources, site selection technically, supported standards or tasks required for appropriate and finalized studies, user management. The article also mentions the often overlooked aspect of portfolio management. The authors continue to introduce cloud computational skills, their deployment to the educational environment and their application to distance learning. Such a solution is extremely rare, especially in Eastern and Central Europe.

4. DISCUSSION

In our paper, here we have developed cloud-based application for a more effective way to deal with learning system. Cloud provides us a flexible feature; cloud

computing is vital to helping businesses and people deliver on and realize the promise of digital transformation.

By using HTML, cascade, and java script I created my user interface. we also can use the looping feature in HTML du to that we can use a small code for a long slider or any module that we have to repeat. MySQL offers to store data in database.

The flow of my model cover end-user i.e., user. User can visit to the application and can use the required modules for their learning purpose and it will even help to learn the modules in repeatedly manner.

User can also analyze their knowledge based on the specified practice modules which will be provided as bonus for them, they can even suggest us in improving the things based on what they feel from our application.
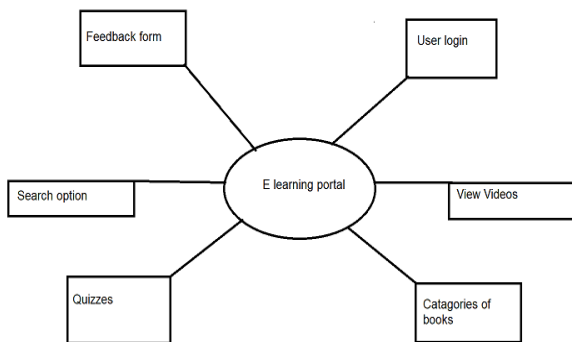

Fig:1.1- A working model

Data of my model will flow in a three-phase first phase, which is the login or register phase where use can register or login. After that next is the platform where users can utilize the application for learning purpose, can evaluating their performance and even can help us to improve the application by giving us feedback. After that logout is there where users can safe from unauthenticated users.

5. CONCLUSIONS

In this study, we reviewed the literature pertaining to student adoption of cloud-based e-learning computing. To identify, select and review the relevant cloud-based e-learning articles, screening processes were followed. It is a gateway to all the courses, resources, and tools that facilitate teaching and learning. It facilitates teaching and learning by providing access to resources and tools.

Due to the fast growth of the Internet, e-learning has become an increasingly common learning approach in higher education institutions. The e-learning process also provides students with new tools and resources for learning, which facilitates, in turn, their ability to study according to their preferences to a larger extent.

Another important advantage of this structure is to avoid loading study tools. First it saves upload time and second it removes any obstacle to the use of file space in application. The expanded structure allows designers to link nodes used to develop course tools. With the availability of several online-based editing tools the tested preparation can be done through the portal site as an effective e-learning System model.

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