

E- SHALA LEARNING HUB

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ABSTRACT

Education through the internet is becoming one of the most domineering forms of education. A lot of efforts is being put into improve the quality of learning and to improve the relationship among learners and their teachers. Advanced development in the technologies being used in the Internet.

E-Shala has become very popular in Western countries like India have not yet been able to keep pace with their western counterparts as far as adaption to such a concept is concerned. new learning methodology and how do they react on it. It is in this context that paper analyzes the usage of E-Shala tools by these students of technical courses. It brings out the response analysis of the same set of students (those who use traditional learning methods only as well as those who, in addition, use E-Shala methods) on the issues bout role of E-Shala in their studies.

Keywords: E-Learning, Traditional Learning Artificial Intelligence and Machine Learning, Cloud Computing.

1) INTRODUCTION

ICT revolution has given a boom to 'Learning Economy' whereas the real strength of an individual or institution, region or a country is determined by the way it reacts to new knowledge and makes the best use of it. This has increased the demand for e-learning at the formal as well as informal sector of education. E-Shala supports use of Information and Communication Technologies. Therefore, E-Shala is based upon anywhere anything learning content generated using videos, audios, text, animations and/or simulation to enrich the learning process. At present we can feel that the knowledge is available all around us and it has been possible through the techniques of E-Shala. In the informal education

sector especially the industrial sector is progressively switching over a workforce of a large number of hired trainers. This ensures the optimal use of two of the most crucial resources i.e. money and time in any organization. Even in the informal education sector of higher education nowadays, many universities/ institutes are offering a number of online courses to its students into modes-

1) As a support to their traditional courses and 2) as pure online classes. The students enrolled in these online courses can even appear for their examinations online saving a lot of hassles for them as well as educational institutions.

2) DEFINATION

E-Shala is also known with a lot of other names depending upon the purpose for which it is being used, such as: Learning Support System (LSS), Learning Management System (LMS), Managed Learning Environment (MLE).

The purpose of a E-Shala learning hub platform is that it creates a robust learning experience that feels like a classroom experience, offering the traditional classroom characteristics (like instructor-student interaction, Q&As, discussion, games, collaborative projects, quizzes, etc.) but either online or through a device (e.g. a laptop, desktop, tablet or mobile.) These important learning environments are achieved through a learning platform's features and tools that create the level of interaction and engagement students need.

With the help of E-Shala we provide e-learning platform that we no longer need to spend long periods travelling to a location to attend a course; you can now have access to learning when we want it, at the time we want it - day or night, wherever we want it - at home, at work, in local library. For many students this has opened up a new, much more flexible and accessible world of learning that was previously closed to them due to disability or family circumstances, or perhaps due to the fact that the course

they wanted was on the other side of the world. In other words, there are now no longer any geographical constraints to learning; e-learning brings learning to people, not people to learning.

A. CATEGORIES OF E-SHALA

These are considered as follows-

1) Teacher:

Teachers are best known for the role of educating the students that are placed in their care. Beyond that, teachers serve many other roles in the classroom. Teachers set the tone of their classrooms, build a warm environment, mentor and nurture students, become role models, and listen and look for signs of trouble. In E-Shala, teacher plays main role that they can provide knowledge to students and take care of their studies. Teachers teach in many ways including lectures, small group activities and hands-on learning activities.

2) Student:

In Online Education, students have role to learn. In that process, student has difficult and different roles according to traditional learning process.

3) Courses:

Most discussion if e-learning focuses on educational courses. Educational course materials or courseware are usually modified and added with various different media and are uploaded to a networked environment for online accessing. E-Shala has distinct similarities with classroom environment whereby both of the learners (students) and instructors (teachers) are together related to the common course arrangement and flow.

I. MOTIVATION

In many articles the importance of the motivation is highlighted that the success of a learning program or the students is closely related with motivation of the students.

These four components are as follows:

- A – Attention
- R – Relevance
- C – Confidence
- S – Satisfaction

II. METHODOLOGY

1) The most advanced and highest quality E - Learning:

E-Shala is based on the most advanced and highest quality e-learning. The educational content is attractive and efficient due to its interactivity, with up-to-date and all course materials which lead and guide the student from the very first moment, guaranteeing training success.

2) Total freedom and flexibility:

Our E-Shala platforms and online courses allow students to learn from anywhere at any time. Courses which work through any browser and on all devices such as PCs, laptops, tablets, mobile phones, with automatic synchronization of progress. Total freedom and flexibility to be trained, wherever the student is.

3) Interaction In Learning:

Learner (Students) - Instructors (Teachers) Interaction, Learner (Students) - Learner (Students) interaction: these two types of interactions are among humans, and they are the interaction forms that people are most familiar with.

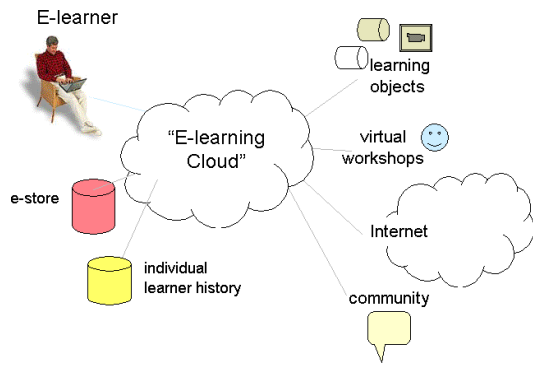
III. TECHNOLOGIES

With the advancement in technology, a huge change is happening in the education system. In this E-Shala project, we will develop an e-learning platform using cloud computing, artificial intelligence and machine learning. E-learning is one of the fast and efficient ways to spread knowledge to learners from different parts of the world. E-Shala uses modern technology and digital content to make the learning process more attractive. Effectiveness, consistency, scalability, reduced costs, etc. are some of the advantages of the E-learning platforms. But to set up an e-learning platform it requires a huge software and hardware resources.

1) Cloud Computing in E-Learning:

Cloud computing is widely used in various fields because of its various applications and easy deployment. Nowadays with easy access to the internet and smart phones, everyone is able to connect and access online resources. This also expanded the use of cloud computing services. Cloud computing provides the best solution to set up the infrastructure for the e-learning platform with reduced

costs. It uses the internet and remote servers to maintain data and applications.



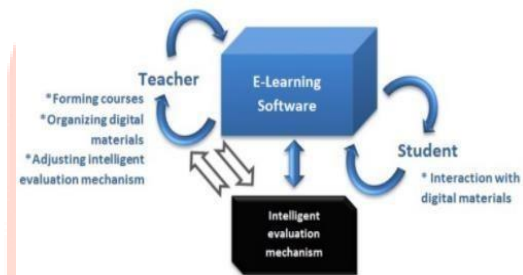
than humans. Artificial Intelligence and Machine Learning are shaping E-learning. Artificial intelligence and machine learning are not mere buzzwords; they are

a) Related Work-

Given the increasing importance of Cloud Computing in recent years, the application of this technology in the field of E-Learning has been interest to researchers and in various articles and research on this topic has been discussed; continue to mention some of them.

E-Learning cloud is cloud computing technology in the field of e-learning, which is a future E-Learning infrastructure, including all hardware and software

revolutionary technologies that here to stay and change the landscape of human civilization. E-learning can hugely benefit from these technologies and that can change the way students will learn new things through online courses.



IV. CHALLENGES AND SOLUTIONS

As your company implements new policies and procedures, it is crucial to ensure that your work force is computing resources to engage e-learning. After

1) the Technical Issues – virtual computing resources, they can be in the form of services of educational institutions. Many students are not provided with the high bandwidth of the

properly trained in their use.

business to lease computing resources.

2) Machine Learning and Artificial Intelligence (AI):

According to research the online learning industry is growing stronger with the help of technologies like machine learning and Artificial Intelligence (AI). Machine learning is a sub-division of artificial intelligence. The technology involves algorithms that can draw conclusions and make predictions based on large data sets. Machine Learning algorithms predict an outcome, which allows you to provide specific eLearning content based on past

performance and individual learning goals. Machine learning allows any software application to behave more intelligently and automatically improve on its own. AI machines utilize decision tree learning, artificial neural networks, Bayesian networks and other such machine learning algorithms to undertake different tasks. AI enabled learning management system can utilize artificial neural networks or even deep learning algorithms to process the data and optimize the course content without manual intervention; possibly much faster and accurately

strong internet connection that online courses require, and thus fail to catch up with their virtual classmates: Their weak monitors make it hard to follow the Course Management System and their learning experience becomes problematic. Moreover, most of them live off campus and find it difficult to keep in tune with the technical requirements of the chosen course. Some of them don't even own computers and seek help in Learning Resource Centers for technical assistance. The only solution to this problem knows exactly what kind of technological support they will need for a certain course before enrolling in it, as well as properly equipping themselves for the course's successful completion.

Computer Literacy –

Lack of computer literacy is a major issue among students today. Many of them cannot operate basic programs such as Microsoft Word and PowerPoint and therefore are not able to handle their files. Furthermore, many students find fixing basic computer problems troublesome, as they have no knowledge in this area. knowledge of computer hardware would help them participate in online classes without interruptions and hindrances.

3) Time Management -

Time management is a difficult task for e-learners, as online courses require a lot of time and intensive work. Furthermore, whereas it is mostly adults who prefer web- based learning programs for their place and time flexibility, they rarely have the time to take the courses due to their various everyday commitments. A regular schedule planner would be a significant help to these learners, as they could even set reminders for their courses and assignments.

4) Self-Motivation –

Self-motivation is an eLearning essential requirement; however, many online learners lack it, much to their surprise. After enrolling in distance learning courses, many learners fall behind and nurture the idea of giving up, as difficulties in handling a technological medium also seem insurmountable. Students need to find the motivation to follow the new educational trends and also properly equip themselves for future challenges in their education and careers. Only a positive attitude will help them overcome the challenges in eLearning; though this is hard to practice, students need to understand that it is necessary in order to reap the E- Learning's benefits in the future.

V. CONCLUSION

E-Learning is one of learning methods that can benefit both the students and educators as it has become increasingly popular learning approach due to growth of Internet technologies. Also researchers over the years have shown that there is no significant difference in learning outcomes between E-Learning and Traditional Learning. E-learning is not just a change of technology. It is part of a redefinition of how we as a species transmit knowledge, skills, and values to younger generations of workers and students. E-learning has become the default way to conduct training or to provide education to teach what learners need to learn in the way they most naturally learn to define clear learning. Online learning surely has the potential to revolutionize the education sector and can surely make learning more effective, engaging, and student-friendly.

VI. REFERENCE

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