Role of E- Learning in present educational perspectives

Dr. Rana Jairam Singh

Retd. Principal
College of Teacher Education (CTE) Saharsa
Cum - Dean, Faculty of Education,
BNMU, Madhepura, Bihar
Email ID: dr.ranababu@gmail.com

Abstract:

In the contemporary landscape of education, the role of e-learning has undergone a profound transformation, reshaping the way knowledge is disseminated and acquired. This research paper delves into the multifaceted dimensions of e-learning and its pivotal role in current educational paradigms. With the rapid advancement of technology, e-learning has emerged as a dynamic and indispensable tool, fostering a revolution in educational approaches.

E-learning, facilitated by digital platforms and interactive multimedia, transcends geographical barriers, offering flexible and accessible learning experiences. How e-learning caters to diverse learning styles and preferences, accommodating both traditional academic pursuits and specialized vocational training. The integration of virtual classrooms, online lectures, and interactive modules not only enhances the quality of education but also promotes self-paced learning and critical thinking skills among students.

The democratizing impact of e-learning, making education accessible to learners across socioeconomic backgrounds. It discusses how e-learning platforms provide personalized learning pathways, adaptive assessments, and real-time feedback,

thus, addressing individual learning needs. Additionally, the research delves into the role of e-learning in professional development, enabling continuous learning for educators and professionals in various fields.

This research illuminates the transformative influence of e-learning in reshaping educational landscapes. By embracing technological advancements and addressing associated challenges, e-learning stands as a cornerstone in the evolution of education, offering unprecedented opportunities for learners and educators alike.

Keywords*: Education, E-Learning, Learning, Technology, Etc.*

E-Learning;

E-learning, short for electronic learning, refers to the use of digital technology and the internet to deliver educational content and facilitate learning experiences. It encompasses a wide range of educational activities conducted online, including online courses, virtual classrooms, webinars, digital simulations, and interactive multimedia modules. E-learning utilizes various formats such as text, audio, video, and animations to deliver educational material, making it accessible to learners anytime and anywhere with an internet connection.

One of the key features of e-learning is its flexibility, allowing learners to study at their own pace and on their own schedule. It caters to diverse learning styles and preferences, accommodating both formal education, such as school and university courses, and informal learning, like professional development and skill enhancement. E-learning platforms often incorporate interactive elements, quizzes, and assessments, providing immediate feedback to learners, enhancing engagement, and promoting active learning.

E-learning has revolutionized education by breaking down geographical barriers and democratizing access to knowledge. It offers personalized learning experiences, adaptive content, and collaborative tools, fostering a more interactive and dynamic learning environment. With its ability to reach a global audience, e-learning plays a pivotal role in lifelong learning, professional development, and academic pursuits, shaping the future of education in the digital age Gunasearan, Ronald and Dennis (2002) studied e learning applications. The investigator critically reviewed some selected definitions of e

learning and suggested factors for developing e learning environment. Gaikwad and Randhir (2016) pointed out on e learning in India: the wheel change. The investigator highlighted the concept of e learning and comparison between traditional learning and e learning. The results concluded that e learning played a main role for the development of education system.

E learning is a very new term in education system which is differs from traditional learning system. The subject content might be present through internet and with the help of other technology in e-learning. Internet provides a better area of knowledge sharing with each other. Students and teachers also involves in online activities for knowledge sharing. E learning is a platform for lifelong learning. E learning is not an optional approach of learning but it is a new concept of learning. It provides opportunities to all in education. It is an important and comprehensive method of education. a number of several terms can included in e learning such as on line learning, online education, distance education, web based education, distance learning virtual classroom, C.D.ROM etc.

Main features of E learning

- Computer and internet services are the basic requirements for electronic learning.
- E learning always provides various opportunities to learn students with their potential.
- E learning is child centered learning system.
- E learning can solve the problems of geographical aspects.
- Teachers and students can interact face to face in online class as similar as traditional class.
- The number of students is more than traditional class.
- Various type of technologies can used in education system such as e mail, blogs, live online class, virtual platform, digital library, video conferencing commonly used for fulfillment the purpose of e learning.
- E learning can make learning very effective and interesting. Students might be always attentive and curious in online classes.

Objectives of E learning

Learning must be positive and goal oriented. The aim and objective of learning is to change learner's behaviour. In traditional classroom students and teachers are interact face to face and in real conditions but in online mode the teacher and taught interacts virtually. The main objective of e learning is to provide e content in various forms such as e text, e books, e journals, article audio, video and audio video etc. E learning provides free environment of learning and equal opportunities to all learners. Research and innovations can be developed by e learning.

Technologies used in e learning

The various technologies are used in e learning and online learning platform. It makes learning very easy with the help of technology. No technology is good or bad but its use always makes it good or bad. This proverb is very true in e learning. There are lots of things available on online platform. The main technologies are listed down-

- electronic mail
- E content
- Websites and web portal
- C.D. ROM
- Online games
- Smart or virtual classroom
- Simulation
- Video, audio, video conferencing
- Power point presentation
- Animation and graphics
- Computer aided evaluation
- Software
- Digital library and lab

E content

E content is very beneficial and effective tool for virtual or online learning platform. The term E content refers e books, e journals, e text, e articles, video and audio content and other learning material. A Person can share E content or e material to the other person in varied manner. Time and place limits cannot affect learning. The transformation and usage of data might lay out better way to check the effectiveness of e content. E content also refers to the content that can be accessed by various websites on the internet in the form of web page. E content must prepared by subject specialist and subject experts. In the present scenario e content writing has been turned into a business. Most of the people uploaded e content in various forms for the audience and readers. Therefore it may necessary to provide internet facilities in the rural and interior places so that the people belongs in that areas can also contribute in the development of the nation.

Online e learning platform provided by the Government

The government of India provides various online platforms and launched several online schemes for the students. Students can easily join with these schemes. The Government of India launched the programme Digital India. The vision of this programme is to transform India into a digitally empowered society. National Mission on education is an another initiative by the government of India. Indian Government also launched several schemes for e learning. It is very helpful for the government to communicate rules and policies in very effective manner. E learning provides a open platform to interact or learn. SWAYAM, NISHTHA, eVIDHYA programme, SWAYAM PRABHA, NAD, National Digital Library, E Shodh Sindhu, Inflibnet Virtual labs, eYANTRA, EPG Pathshala etc. are main online platform to enhance e learning.

Role of e learning in present educational perspectives:

The role of e-learning in present educational perspectives is transformative and multi-faceted, profoundly impacting the way education is delivered, accessed, and experienced. Here's an overview of its significant roles in the current educational landscape:

1. **Accessibility and Inclusivity:** E-learning bridges geographical gaps, making education accessible to learners around the world. It offers opportunities for education to individuals who might not have access to traditional educational resources, thereby promoting inclusivity and equal educational opportunities.

2. **Flexibility and Convenience:** E-learning provides flexibility in terms of scheduling and pacing. Learners can access materials at their convenience, enabling them to balance education with work, family, or other commitments. This flexibility is particularly valuable for adult learners and working professionals seeking continuous education.

3. **Personalized Learning:** E-learning platforms often utilize adaptive learning technologies, tailoring educational content to individual student needs. Through data analysis and algorithms, e-learning systems can offer personalized learning pathways, ensuring that learners focus on areas where they need improvement, thus enhancing the overall learning experience.

4. **Interactive and Engaging Content:** E-learning incorporates multimedia elements, simulations, and interactive exercises, creating engaging learning environments. Gamification techniques and virtual reality applications further enhance interactivity, making the learning process more immersive and enjoyable.

5. **Professional Development:** E-learning is widely used for professional development and upskilling. Professionals can access specialized courses and certifications relevant to their careers, allowing them to stay updated with industry trends and acquire new skills without disrupting their work schedules.

6. **Cost-Effectiveness:** E-learning reduces costs associated with traditional education, such as commuting, printed materials, and physical infrastructure. It is often a more affordable option, making quality education accessible to a broader range of learners.

7. **Global Learning Communities:** E-learning fosters collaboration among learners from diverse cultural backgrounds. Online forums, discussion groups, and collaborative projects create global learning communities where students can share perspectives, collaborate on projects, and learn from one another.

8. **Continuous Learning and Lifelong Education:** E-learning encourages a culture of continuous learning. Learners of all ages can engage in online courses to pursue new interests, explore hobbies, or acquire knowledge in various fields, promoting lifelong education and personal growth.

E-learning plays a pivotal role in making education flexible, accessible, interactive, and tailored to individual needs. Its integration into educational perspectives not only enhances traditional learning but also opens avenues for innovative and inclusive educational practices, shaping a more dynamic and responsive educational landscape.

Conclusion:

E-learning's impact is profound and multifaceted. It tears down geographical barriers, ensuring that education reaches every corner of the globe, thereby fostering inclusivity and diversity in learning. Its flexibility and convenience cater to the modern learner, accommodating diverse schedules and individual pacing. The personalization it offers, through adaptive learning technologies, ensures that education is not just a one-size-fits-all model but a tailored, enriching experience for every student.

Moreover, e-learning's interactive and engaging content redefines traditional teaching methods, making the learning journey exciting and immersive. Its cost-effectiveness democratizes education, making high-quality learning experiences accessible without the burden of exorbitant expenses.

Furthermore, e-learning fuels continuous learning, encouraging lifelong education and professional development. It cultivates a global community of learners, where knowledge transcends borders and cultures, fostering a rich tapestry of shared learning experiences.

As we conclude this exploration, it is evident that e-learning is not just a tool; it is a catalyst for a new era of education. It empowers learners, educators, and communities, reshaping the educational landscape into a dynamic, inclusive, and innovative ecosystem. Embracing the potential of e-learning is not merely a choice but a necessity, propelling us into a future where education knows no bounds, opening doors to endless possibilities for all.

References :

- Sharma, S. (2008). Computer and communication technology. Agarwal publications. 349-354

- Gunasekaran, A., Ronald, D.,McNeil and Saul, D. (2014). Elearning : Research and applications. industrial and commercial training. 34(2). 44-53.

- Noesgaard, S.S. and Orngreen, R. (2015). The effectiveness of E learning :An explorative and integrarive review of the difinitions, methodologies and factors that promote e learning learning effectiveness.The electronic journal of E Learning 13(4). 278-290.

- Gaikwad, A., and Randhir, V.S. (2016). E learning in India: Weel chnge. International journal of e education, e bussiness, e mangement and e learning. 6(1),40-45.

- Sharma, S., Varshney, S. and Mishra, S.K. (2016). ICT in education. R lal book depot, meerut. 63-69.

- Srivastav, S. (2018). computer and communition technology. Agarwal publications. 349-354.

- Selvekumar, S. (2019). E learning in India. Internationla journal of scientific research in physics and applied sciences. 7(4), 23-25.s

Certificate Of Publication

This Certificate is proudly presented to

Dr. Rana Jairam Singh

for publication of research paper title

"Role of E- Learning in present educational perspectives"

Published in 'The Research Dialogue' Peer-Reviewed / Refereed Research Journal

and E-ISSN: 2583-438X, Volume-02, Issue-03, Month October, Year-2023.

Dr. Neeraj Yadav
Executive Chief Editor

Dr. Lohans Kumar Kalyani
Editor-in-chief

Note: This E-Certificate is valid with published paper and the paper
must be available online at www.theresearchdialogue.com

INDEXED BY