

IMPACT OF EDUCATIONAL TECHNOLOGY ON HIGHER EDUCATION

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Abstract:

Higher education institutions must focus on creating a need-based curriculum for students, with the help of smart education apps and AI-based programs. Embedding technology in the educational curriculum can help students learn in a better and effective manner. The main objective were find out the functions of Educational Technology in teaching-learning process and the relationship between Educational Technology and Higher Education.

Educational technology in education is important because it helps today's teachers to integrate new technologies and tools into their classroom. Teachers are able to upgrade and improve the learner-centeredness of their classroom. "Educational Technology will be employed in the spread of useful, information, the training and retraining of teachers, to improve quality, sharpen awareness of art and culture, inculcate abiding values etc., both in the formal and non-formal sectors. Maximum use will be made of the available infrastructure." . Technology in educational field is changing the traditional role of the teacher in the classroom. So parents, community, government all members and sector should be help in motivating the use of technology in teacher and students.

Key Words: Function of Education Technology, Improvement of Teaching, Analysis of the Teaching-Learning Process, Improvement of Learning, Fixing up Goals of Education, Training to Teachers, Teaching-Learning Strategies, Development of Audio-Visual Aids, Identification of Needs of the Community and relationship between educational technology & higher education

1. INTRODUCTION:

Higher education institutions must focus on creating a need-based curriculum for students, with the help of smart education apps and AI-based programs. Embedding technology in the educational curriculum can help students learn in a better and effective manner. The Association for Educational Communications and Technology (AECT) defined educational technology as "the study and ethical practice of facilitating teaching-learning process and improving performance by creating, using and managing appropriate technological processes and As such, educational technology refers to all valid and reliable applied education sciences, such as equipment, as well as processes and procedures that are derived from scientific research and in a given context may refer to theoretical, algorithmic or heuristic processes: it does not necessarily imply physical technology. Educational technology is the process of integrating technology into teaching-learning programme in higher education in a positive manner that promotes a more diverse learning environment and a way for students to learn how to use technology as well as their common assignment resources". Educational technology is the process of integrating technology into teaching-learning programme in higher education in a positive manner that promotes a more diverse learning environment and a way for students to learn how to use technology as well as their common assignment.

2. REVIEW OF LITERATURE:

1. Cerviño G and Vera C (2020), The impact of educational technologies in higher education. The main objectives were to the formation of human capital is key to countries' social, cultural, and economic development. The current literature review pays considerable attention to the ever-increasing proliferation of technology in the careers of college and school graduates. He has discussed Educational technology; higher education; information technology; role of the teacher. He has analyze the issues surrounding

educational technology in higher education. 2. R. Raja and P. C. Nagasubramani (2018), he has studied Impact of modern technology in education. he has focused on Education, modern technology and teaching. he has concluded that Technology has a positive impact on education and at the same time may also pose negative effects. Teachers and students should take advantage of this in the good light and eliminate the drawbacks which are pulling back many of students as well as schools from achieving excellence.

3. IMPORTANCE OF THE STUDY:

Educational technology in education is important because it helps today's teachers to integrate new technologies and tools into their classroom. Teachers are able to upgrade and improve the learner-centeredness of their classroom. It enables teachers to engage their students in unique, innovative, and equitable ways. This paper will provide an opportunity to identify the factors that affect teaching-learning process in higher education faculty's technology use. They may even be encouraged to choose for on-line courses to learn the right use of technology. Study of different stages of concern will give them insight into the benefits of awareness, management and collaboration for use of educational technology of teaching-learning process in higher education.

4. STATEMENT OF THE PROBLEM:

Modern technology it is most important for the higher education. but so many problem are available in higher education. Like a tools in class room, training for the teacher, awareness of the new technology for the higher education hence researcher has selected this topic for the research paper.

5. OBJECTIVES OF THE STUDY:

1. To find out the functions of Educational Technology in teaching-learning process.
2. To study the relationship between Educational Technology and Higher Education.

6. RESEARCH METHODOLOGY:

6.1 Data Collection:

6.1.1 Secondary Data

The secondary data have been collected through books, research papers published and unpublished in various journals.

7. SCOPE OF THE STUDY:

“Educational Technology will be employed in the spread of useful, information, the training and retraining of teachers, to improve quality, sharpen awareness of art and culture, inculcate abiding values etc., both in the formal and non-formal sectors. Maximum use will be made of the available infrastructure.”

8. RESULT AND DISCUSSION:

Function of Education Technology:

Educational technology in education is important because it helps today's teachers to integrate new technologies and tools into their classroom. Teachers are able to upgrade and improve the learner-centeredness of their classroom. It enables teachers to engage their students in unique, innovative, and equitable ways.

Improvement of Teaching:

Educational Technology analyses the process of teaching thoroughly. It tries to find out the different variables of teaching, their interlinks, effects upon each other, relationships, theories of teaching, phases of teaching principles of teaching, maxims of teaching etc. By developing the theories of teaching, it helps in improving the quality of education.

Analysis of the Teaching-Learning Process:

Educational Technology aims at analysing the process of teaching-learning thoroughly. It tries to find out the different variables of teaching their interlinks effects upon each other, relationship etc. It is also concerned with various phases of teaching. The principles of

teaching and the maxims of teaching are also analysed by it. Over all, it tries to establish better and better relationship between teaching and learning.

Improvement of Learning:

Educational Technology analyses the process of learning and the related theories. It facilitates more and more of learning in less time. It takes the help of various empirically established generalizations from psychology, sociology, physical sciences, engineering etc.

Fixing up Goals of Education:

The objectives of education are being reviewed and revised with the passage of time. Educational technology helps in finding out the right objectives. Everything in this universe is undergoing tremendous changes and with a very fast speed. The needs and requirements of the people and hence education need be revised from moment to moment. Educational Technology helps in fixing up the right objectives in the light of the changed circumstances and changed environment.

Training to Teachers:

The changed type of environment with new curriculum and new materials is to be handled by the teachers. The teachers equipped with old strategies and methodologies of teaching will remain misfits. Right type of training to the teachers is the need of the hour. Educational Technology can render its valuable help in the training of teachers also. The use of video tapes and close circuit T.V. will help the teachers to remodel and reshape their teaching behaviours suitably.

Teaching-Learning Strategies:

A strategy plays an important role in the hands of a teacher in every teaching-learning situation. The strategy has to be the right one which should be according to the materials and is able to bring about effective teaching-learning. The different strategies are being evolved by educational technology. The knowledge of those strategies is a must for every teacher. Then only the teachers will be able to do justice to their jobs.

Development of Audio-Visual Aids:

Audio-Visual aids have always played an important role in the teaching-learning process. They need be used according to the times. The software aids, the hardware aids, the computer and other such appliances, equipment etc., have “to be used in the present type of teaching-learning environment. Computer assisted instructions will help the learner as well as the teacher to achieve the goals of education more conveniently. There is need of deriving maximum benefits out of educational technology.

Identification of Needs of the Community:

Educational Technology identifies the needs of the community. It helps in providing equal education opportunities to backward people, disadvantaged students and deprived sections of the society. It helps education to reach the remotest corner of the country. The needs and requirements of the community are fast changing. Educational Technology aims at identifying the needs of the community from time to time. Then it tries to improve the community in every possible way.

Identification of the Needs of Class-Room Behaviors:

Educational Technology identifies the needs of class-room behaviour. As the mass education has reduced the standard of education, the use of educational technology can maintain and improve the standard by the use of teaching aids and programmed instruction material. Educational Technology can inspire the students in the class-rooms for self-learning. Teaching-learning materials hold an important place in teaching-learning process. They have to be in accordance with the environment of the learners. Right types of materials will be able to modify the behavior of the learner suitably making him a fit person for the society. Educational technology helps in developing the required and desired type of teaching learning material. The effective utilization of radio

and T.V. educational programmers has been undertaken. The UGC and National Open Universities are successfully developing various programs. Many states have been successful to integrate radio broadcast with teaching in schools. The most significant development of educational technology is computer assisted education and development of language laboratories for teaching Indian as well as foreign language like English, German, French, and Russian, etc.

Role of educational technology:

Using technology students can spend less time in doing calculations and more time in

Creating strategies for solving complex problem and developing a deep understanding of the subject matter. Technology helps the teachers meet the individual learning needs of their students more effectively and to provide learning experience ranging from remediation to enrichment. Educational technology has numerous advantages in facilitating and motivating learning. Direct experiences through various media and technology make the subject clearer and the learner is motivated to learn.

Save Time :

Students' time is very crucial for their studies but sometime around the world because of the traffic jam wasted a huge amount of time. Most of the time pupils miss their class because of the traffic jam. On one hand, you can take the class online from your home without wasting your time. In addition, you watch the same class again and again if the teacher recorded the video. In the modern world, you don't need to go abroad to study, you can join and take the class online from your home with the same feel, in a case with better understanding.

Relationship between educational technology & higher education:

Technology has an important impact on all aspects of higher education worldwide. It brings new opportunities and means for improving access and the quality of higher education. Technology can also help to make higher education a much more interactive and collaborative process. Email, course-based websites, and computer-based chat rooms are some of the technology-enabled resources that facilitate communication and teamwork among students. Research by education scholars has shown that collaborative learning opportunities enhance recall, understanding, and problem solving. Technology can greatly ease the work of collaborative design teams, peer writing groups, and other types of collaborative learning groups, even among students who do not live in the same geographic area and who cannot meet face to face.

9. SUGGESTIONS:

To improve the quality of higher education it is needed to take the full advantage of technology in education. To achieve this goal there are some suggestions which can be helpful in promoting use of technology. Teachers must be adequately trained to use technology. Teachers' training and continuing education is needed. Teachers should know how to operate the technology and how to integrate it into the curriculum. Training sessions, workshops can be arranged for in-service and pre-service teachers.

10. CONCLUSION:

According to the above overall result discussion, the twenty-first century educational technology have created major effects on teaching-learning process in higher education. But too much problems have occurs for application of technology on teaching-learning system. Such as lack of proper updating software, funds, times, training teacher etc. Yet we cannot deny the use of this technology in any way, in the present era. Because educational technology has tremendously affected every field of education with higher education. Technology in educational field is changing the traditional role of the teacher

in the classroom. So parents, community, government all members and sector should be help in motivating the use of technology in teacher and students.

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