



ROLE OF TECHNOLOGY IN EFFECTIVE TEACHING AND LEARNING

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ABSTRACT

Technology provides various types of tools and techniques that teachers can use in and out of the classroom to enhance students effective teaching and learning . It ushers in fundamental structural changes that can be integral to achieving significant improvements in productivity . It also has the power to transform teaching and learning by ushering in a new model of connected education . This model links teachers to their students and to professional content , resources, and systems to help them improve their own instruction and personalized learning. The present research paper focuses on the role of technology in effective teaching and learning. This research paper throws light on the use of technology in education field. The major purpose about using technology enhance teaching and learning in a number of different ways. The present study mainly focuses on specific types of teaching and learning tools.

Keywords : Technology , Teaching , Learning , Software , Resources , Tools , Education , Blended , Online .

INTRODUCTION

Technology ushers in fundamental structural changes that can be integral to achieving significant improvements in productivity. In the course of time, the scenario of today's education is on the path of blended education system . It's time to use technology in teaching

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and learning system. There are number of online resources about using technology to enhance teaching and learning in a different way. Online learning opportunities and the use of open educational resources and other technologies can increase education productivity. We have abundant resources on using specific types of teaching and learning tools.

Classroom Response System :

To encourage students engagement , electronic devices are used that allow students to record their answers to MCQ and instantly display the result . This mechanism encourages the participation regarding assessment and evaluation methodology. Use of clickers can also serve as a catalyst for discussion .

Virtual / Online Learning and Teaching :

These opportunities include enrollment , credit recovery , and vocational programme . Teaching and learning online , whether in a hybrid course or wholly-online course , requires different techniques and tools . The online environment requires the use of basic technologies to digitize course materials as well as mastery of the institutional LMS. And various tools like Skype allow synchronous communications , while Blogs and Twitter can encourage asynchronous interaction .

Presentation Softwares :

Sometimes it's a need to provide visual aids to complement teaching and learning stimulate discussion . or allow out of class teaching . Tools designed for this purpose , such as Power Point , can be used well or used badly. Some other technical software are being used for present action which makes teaching and learning process more effective and fruitful.

Information Visualization Tools : -

Using technology in teaching and learning can clarify and stimulate thought through transforming words into pictures. These types of tools help students to think more critically by encouraging them to visually structure information.

Open Educational Resources : -

Open educational resources are teaching , learning and research resources that reside in public domain and are freely available to anyone over the Web . They are important elements of an infrastructure for teaching-learning and range from Podcasts to Digital Libraries to Textbooks and Games.

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Flipping the Classroom :-

Flipping doesn't have to use technology , but tools such as videos , Podcasts , Online Quizzes and the like can help in and out of class activity work together . These resources explain the theory underlying this teaching method and provide practical suggestions for making of work .

Blended Teaching and Learning :-

Blended learning and teaching opportunities incorporate both face -to-face and online teaching -learning opportunities . The strategy of blending online teaching-learning with institution based instruction is often utilized to accommodate students diverse learning styles and to enable them to work before or after almmater in ways that are not possible with full-time conventional classroom instruction. Online teaching and learning has the potential to improve educational productivity by accelerating the rate of learning , taking advantage of learning time outside of school hours, reducing the cost of instructional materials and better utilizing teacher time . These strategies can be particularly fruitful in rural areas where blended or online teaching-learning can help teachers and students in remote areas overcome distance .

Use of Internet :-

Internet Plays important role in effective teaching and learning process. It's able to access thousands of Books ,Videos, Textbooks , Theses, You Tubes , Magazines, News papers, and number of Online resources . In the present teaching- learning scenario, internet takes the place of instructor , the teacher , the guide and the path finder for the teacher and learner also. It has three main educational uses . It serves a source of information. a place of collaboration, and a place to learn , teach and publish . Through internet, students take benefits such as developing research skills , having interactive learning, communicating with other students and getting better understanding of global issues .

CONCLUSION :-

Thus, technology plays a vital role in effective teaching and learning process. It's a need of time to use various types of teaching and learning tools and resources to make this process user friendly . It ushers in fundamental structural changes that can be integral to achieving significant improvements in productivity .



REFERENCES

- 1) Johnson , D. & Maddux, C. (2003) . **Technology in Education : A Twenty –Year Retrospective .**
- 2) Chine , S.P. & Hsu , Y.S. (2014) . **An Investigation of Teacher's Belief and Their Use of Technology based Assessments, computers in Human Behaviors.**
- 3) Chan , F.M. (2002) . **ICT in Malaysian Schools : Policy and strategies .**
- 4) Crystal , David (2003).**English as a Global Language , Cambridge University Press .**
- 5) Graddol , David (2000) . **Future of English , British Council .**
- 6) https://en.wikipedia.org/wiki/Higher_education