ICT IN TEACHING-LEARNING PROCESS

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Abstract

Teaching and learning is a wonder-full work that needs to show the fundamentals of component sending and receiving information digitally with the use of computer and associated with ICT tools used here to learning and teaching. The paper belongs to the application of information and communication technology (ICT) for enriching performance in learning and teaching by using multimedia to refer to the benefit of teaching techniques and impart the knowledge to the student, here teacher tries to import knowledge to a student which kind of way they will understand then they can easily to recognize it. The obstacle in ICT education is a lack of knowledge and skill they are hardly every brilliant training teacher are in ICT education formally skilled in ICT. This ICT education brings more innovation to teachers and students to better understand. Teaching and learning is a wonder full work need to show to fundamental of component sending and receiving information digitally with the use of a computer and associated with ICT tool using here to learning and teaching .this paper belongs to the application of information and communication technology (ICT) for enriching performance in learning and teaching by using multimedia to refer the benefit of teaching techniques and Import the knowledge to the student, Here teacher tries to the import the knowledge to a student which kind of way they will understand then they can easily to recognize it good manner.

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INTRODUCTION

Variable collection of technological instruments and sources utilized for communication as well as for the creation, dissemination, storing, and management of information." Technology has emerged as a crucial component of the delivery of education. Information and communication technologies are referred to as administrative procedures. ICT greatly facilitates information

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acquisition and absorption, which can provide developing countries with amazing potential to improve their education system, notably for the poor population, and so raise the standard of living for their persons. New communications technologies promise that they will lessen feelings of isolation and expand access to information in ways that were previously unimaginable [1].

IMPORTANCE OF ICT IN EDUCATION

ITC introduces vitality-enhancing elements to the learning environment, which includes a virtual environment for student knowledge. ICT is altering teaching and learning processes. With the help of new technology, teaching and learning can be divided into different periods and locations while maintaining perfect connectivity between them.

ICT is a potentially significant tool for providing educational openings, both to initially underserved constituencies including people who are handicapped, and to all others who, for reasons of cost or time constraints, can register for on-lot programs to Create awareness. This is because ICT can offer anytime and anywhere access to increase remote literacy resources for student.

Nowadays, education is classified into four categories: lecturing, learning, syllabus, and educational programming. ITC has essentially been added as the fifth important field of education in the twenty-first century (Sampath, 2011). According to the revised Draft on National Policy Information Communication Technology in School Education (prepared by the Department of School Education Knowledge (MHRD) in 2011), ICTs are all tools, contents, coffers, forums, and services that are digital or that can be converted into or delivered through digital forms they can station for realizing the aspirations of teaching and learning by enhancing access to and reach of resources, building capacities to, as well as other stuff in Education system. In addition to integrated multimedia data, Online databases, and other satellite navigation bias, teleconferencing, videotape conferencing, web-based content depositories, engaging forums, learning operation systems, and operation information systems, this will no longer only include navigating devices related to computer systems and software program operation.

ICT expands educational opportunities to hundreds of students and creates an atmosphere to get information-rich and engaging while also making the education system valid. The classroom sale is no longer relevant thanks to ICT. It has broadened the classroom's traditional limits of

learning and instruction. Students can now use laptops and wireless networks all over the campus.

A laptop enables a lot of information exchanges between people within the company and around the globe. ICT makes the consequences of the teaching and learning process in the academy room more pleasant for newcomers and makes it easier for them to understand abstract concepts. They can easily understand to grasp.

ROLE OF ICT IN EDUCATION

The necessity for educational technology to raise educational standards was emphasized in the National Policy on Education of 1986, as updated in 1992. The significant importance of ICT in school education was also underlined in the Curriculum Framework (NCF 2005). The Central Advisory Board of Education (CABE) highlighted the extensive use of ICT as one of the most crucial parts of schooling in its proposal on Universal Secondary Education-2005, which is part of the Indian government's Sarva Shiksha Abhijan (SSA) initiative to attain UEE. To facilitate communication and information exchange in all facets of education.

The Indian government has recently undertaken a number of initiatives to incorporate ICT into the educational sector[2].

BENEFITS OF ICT IN TEACHING LEARNING

The teaching-learning process is made more efficient and dynamic by the methodical use of ICT resources in classroom instruction. Student-centered learning has replaced teacher-centered learning as the preferred method of teaching. High levels of teacher and student satisfaction can be achieved in a learning process that uses ICT, according to research. Yet, the effectiveness and productivity of ICT depend on technically competent educators and teachers. They must be able to see the possibilities of ICT and have a favourable attitude toward it.

ICT can increase the interactivity and effectiveness of the teaching and learning process. Students can analyse and work at their own pace with little preparation from the teachers, which serves to motivate them toward their lesson.

- ITC can make a new format for teacher to learning in interactive and effectively
- It Provide motivation for student then gain knowledge
- Learners can easily understand their concept from work with some preparation from the teachers

- ICT enables newcomers to communicate with teachers, friends, and masters on multiple problems outside of the classroom.

- Learners can quickly learn a variety of information.

- It also allows the teachers to pay attention to the learner's development and aptitude for positive skills.

- It can also break up the monotony of the traditional classroom setup.

- It encourages communication between students and the school through social networking sites, blogs, wikis, text messages, and other channels, especially for students who find it difficult to speak up in front of their peers in traditional classroom settings.

The Advantages of ICT Application in Education

It develops the education system

- By creating new forms of engagement, it enriches the quality of education and also adds excitement to the teaching and learning process.

- It offers a wide range of beginners' equal opportunities to obtain education and Information.

- For novices with vision, hearing, or cognitive disabilities, it offers specialized tools so they can learn at their own pace.

- It supports each and every school in exchanging academic and learning experiences with other schools around the nation.

- It makes the system of distance learning more effective.

- It aids in developing technology literacy among all citizens, but especially among children.

- It provides chances for lifelong learning

- It raises the instructor's standards for excellence in both teaching and research.

ICT USAGE FOR ENHANCEMENT OF TEACHING AND LEARNING

The justification for using Technology in education so far in this entry is as follows:

- Youngsters are interacting with and surviving in a new, ICT-rich environment. We must provide a mastering environment that is ICT-rich to emulate this world and adequately prepare students for life beyond school.

- Youngsters able to use ICT both inside and outside of the classroom. It is necessary to teach students ICT abilities in order to handle information, use software, and have a basic understanding of computational thinking.

- Fixed knowledge is no longer sufficient in the society of the twenty-first century. The skills, which must take on a far more prominent role in the teaching and learning process, include a variety of abilities, including ICT competencies. We must combine the usage of ICT in every learning scenario where it is practical and appropriate to graph that practice.

- The question of how much ICT is used to education arises from the technology as a tool. ICT can be used for pedagogical objectives in a huge variety of activities. In this third stage analysis, we concentrate on how teachers use ICT in their lessons and how students use it to complete their homework. It is a section typically replacing conventional pedagogy with ICT applications. ICT is frequently utilized to shed light on particular subjects.

A geography teacher displays a computerized map on the screen, a biology teacher shows a brief clip about how penguins live, and a physical education instructor shows the ideal Fosbury. The subject has been shown on YouTube, and in some art classes, the entire class can critique the artwork. Without wasting time in the classroom, teachers can challenge the student to give Tests or assignments to the student that they have prepared at home.

The benefits are simple to identify. The teacher may continue to employ "traditional" methods while using "outdated" materials. It is handy to use these small extras for homework, downtime in the classroom, and additional work for strengthening or remedial purposes. The educational publishers' response to this innovation in their text-based learning resources has also been this. Companies don't have to complete their business strategies; they keep selling books the way they always have. ICT is just a little influencing how people learn and teach. It merely slightly modernizes the established modes of instruction and learning[3].

CONCLUSION

In society, teaching fulfils a noble role. Using new digital resources and tools needs new knowledge and abilities, which ICT helps the trainer replace. Student teachers will develop into excellent teachers by using and learning about ICT. ICT play a key role in our society's ability to change quickly. The nature of education and the roles students and teachers play during the teaching and learning process can be changed. Technology use in the classroom has recently

begun among Indian teachers. Institutions offer teacher education are increasingly using common media such as laptops, LCD projectors, desktop computers, EDUCOM, Smart classrooms, and memory sticks. To ensure that children have a bright future, we must integrate information and communication technology in teacher education in the 21st century.

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