Impact of ICT in Modern Education System

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Abstract

ICT means Information and Communication Technologies referred to as a diverse set of technological tools and resources used to create, share, store, or exchange educational information in the modern education system. ICT increases student engagement and knowledge retention in the modern education system. ICT improves the effectiveness of education in this modern world. It enhances the scope of education for all the people in the world through mobile learning. It facilitates many social media platforms and online resources for research scholars in the educational field. When ICT is integrated with educational concepts, students can be more interested in their learning activities and get good results in academic examinations. ICT provides different opportunities to make the teaching and learning process enjoyable. The purpose of this paper is to: elaborate on the usage of ICT in the teaching and learning process; and to discuss the importance and benefits of ICT in the modern education system. It is expected to create awareness about ICT in the modern education system.

Keywords: *ICT, Modern education system, Education, Engagement, Learning, Teaching.*

Introduction

ICT provides an online platform to access different educational resources for all students depending upon their needs. ICT especially benefits for the gift children as well as slow learners to improve their knowledge in education and also increase their percentage in their examinations. ICT provides the space for the students to support, enhance, and optimize the delivery of information. ICT needs some basic technology devices to be implemented in the modern education system.

Promotion of Digital Transformation

In the modern education system, digital transformation of the teaching and learning resources seeks more attention among teachers and students. Digital transformation reduces the burden on teachers to prepare their teaching materials or lesson plans. Students also benefited from the digital transformation by preparing their assignments, projects, presentations, etc. In today''s digitalized society, computer literacy is essential for all teachers and students to succeed in the modern education system.

Importance of ICT in Education
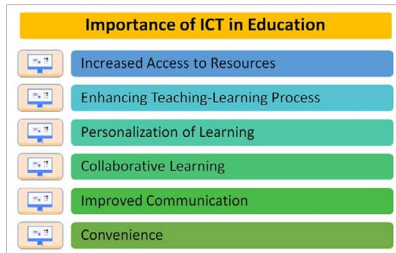
Usage of ICT in Teaching and Learning Process

- With the help of ICT, teachers can use images, audio, and video teaching aids to boost learner"s knowledge and retention and increase educational interest levels.
- Teachers can create interactive on-screen and off-screen educational activities using ICT.
- ICT-based educational activities allow the students to explore fun physical and mental activities while learning.
- Some of the ICT-based educational activities are educational games, interactive online museums, tours, and virtual labs that provide space for teachers and learners to make the learning process easy.
- ICT allows teachers or students to collaborate on educational resources from any institution in the world.
- ICT saves time and avoids stress in creating educational resources among teachers.
- ICT provides the space to conduct online seminars, workshops, or conferences with any institution in the world.
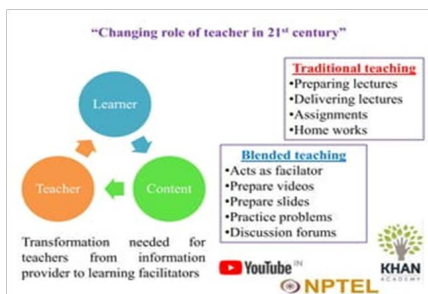
Advantages of ICT in Education

Some of the advantages of integration with ICT and education are as follows:

- Increase student"s interest and learning.
- Improves concentration and comprehension.
- Students are involved and gain more practical knowledge.
- Promotes student"s flexibility and autonomy.
- Technologies promote autonomous learning for students.
- Encourages critical thinking and creative learning.
- Allows students to learn about different cultures.
- Facilitates communication between teachers and students outside the classroom too.
- The whole educational community can quickly access the same resources.
- Digital tools allow direct and immediate interaction among learners and experts.
- It stimulates motivation and supports to new generation of learning techniques.
- Improves student"s skills and academic results.

Disadvantages of ICT in Education

Some of the disadvantages of integration with ICT and education are as follows:

- Distractions and lack of attention.
- Inappropriate use of technology leads to reduced student health, social and family relationships, and academic activities.
- Reduces the development of other important skills like writing, speaking, and reasoning.
- Reduces personal communication between people in the new generation.
- Theft of personal and professional information.
- Dangers of cybercrime, for example: sharing personal photos or videos by strangers.
- Reduces human direct contact and decreases the physical relationship between teachers and students.
- Misuse of online tools and platforms leads to a waste of time in their academic life.

Conclusion

ICT provides an important and convenient way of teaching and learning process in the modern education system. Students can be more engaged in their work while teachers integrate ICT into education. In the modern education system, ICT provides many innovative strategies and methods in the teaching and learning process and so it plays a significant role in today''s educational world.

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