

Uses of Information and Communication Technology Modern Library in the Higher Education System

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ABSTRACT

The role of information and communication technology (ICT) in libraries is undergoing fundamental changes. The modern education system is facing many challenges nowadays. We live in a world where frequent changes occur in all sectors. The most prominent example is the coronavirus pandemic. Who knew that this could also happen? COVID-19 has changed the entire world. Due to the lockdown, everyone is working from home. This Pandemic has brought a new model of learning and teaching, which is online for people. Information and Communication Technology tools are very important in a changing society. If we use and adopt ICT in our education system, it can prosper, and the country will become a knowledge superpower.

KEYWORDS: modern education, coronavirus pandemic, information communication technology, learning and teaching, education, system.

INTRODUCTION

Information and Communication Technology (ICT) in education is the mode of education that uses information and communications technology to support, enhance, and optimize the delivery of information. schools and collages use a divers set of ICT tools to communicate, create, disseminate, store and mange information. In some contexts, ICT has also become integral to the teaching - learning interaction, through such approaches as replacing chalkboards with interactive digital whiteboards, using student's own smart phones or other devices for learning during class time, and the "flipped classroom" model where students watch lectures at home on the computer and use classroom time for more interactive exercises. Library is a Developing institution because there is a continuous increase of book and other essential resources in it. for this reason, it is necessary to pay attention to this face at the time of its establishment. ICT in higher education increasing enrollment ratio and availability of trained teachers in expansion of education. the national mission of education emphasizes the role of the major factors of adoption of ICT in education are aims of any system, programs and curriculum, methods of teaching and learning, learning materials and resources, communication, support and delivery systems, student tutors, staff and other experts, management and evaluation.

Role of ICT

ICT in education improves engagement and knowledge retention : When ICT is integrated into lessons ,students become more engaged in their work. This is because technology provides different opportunities to make it more fun and enjoyable in terms of teaching the same things in different ways. ICT help of a teacher to present his teaching attractively and able to learn for the learners at any level of educational programmers. In the 21st era of globalization, information and communication technology plays an important role of modern education system. it is similar to information technology but focuses primarily on communication technologies. This includes the internet, wireless network, cell phones and other communication mediums. It means we have more opportunities to use ICT in teacher training programmers now days and improve quality of teacher for teach effectively. According to UNESCO"ICT is a scientific , technological and engineering discipline and management technique used in handling information , its application and association with social, economical and cultural matters ". Teacher is the main part of the educational field in our society. He more works for the improvement level of our society in the every field.

Role of ICT in library

- ❖ The first and foremost ICT component, which can be adopted in the libraries, is the computer for library automation and to have an in- house data base of library holding in electronic form. As many primary journals and being published in CD form, it becomes necessary to equip the libraries to optimize the use of information.
- ❖ Email, online retrieval networking, multimedia and internet are the other important technologies, which can be used for faster access to information.
- ❖ organized information in many sources (print / electronic/ online / offline)
- ❖ Unrestricted access all format of information.
- ❖ Providing the assistance of librarians in navigating and analyzing very large amounts of information with a variety of digital tools.

Objectives of ICT in library

In the 21st era of modernization, information and communication technology plays an important role of digital education system. Covid-19 has changed the modern education system in entire world. Widespread availability of access devices, internet connectivity and promotion of ICT literacy.

- To identify the ICT infrastructure facilities available in the libraries.
- To indentify the ICT based software implemented in the libraries.
- To find out the various types of electronic resources available in the libraries.
- To give awareness and overview about information and communication technology need for library automation.
- Information and communication technology uses in library services problems of professionals.
- How library professional constitute a serious challenges to the provision of library services with information and communication technologies.
- Planning for library automation: assessing needs, system, specification and procurement of resources, etc.
- Comprehending the impact of information technology on libraries.

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- Managing automated system (input, file, maintenance, backup security, etc.)
- Accelerate the use of information technology in schools, colleges and educational institutions.

Importance of ICT

ICT helps to improve the quality of human life because it can be used as a learning and education media, the mass communication media in promoting and campaigning practical and important issues, such as the health and social area. It provides wider knowledge and can help in gaining and accessing information. Information technology is important in our lives because it helps to deal with everyday dynamic things. Technology offers various tools to boost development and exchange information. Both these things are the objective of IT to make tasks easier and to solve many problems. Students can learn valuable life skills through exposure to ICT; skills that they might not learn in a traditional learning environment and ones that will become invaluable to them in later life. Digital collaboration, productivity, leadership, communication, presentation and research skills.

Advantages of ICT in library

- Opportunity to deploy innovative methodologies and to deploy the more interesting material that creates an interest in the librarians;
- I enables the better management of library a librarian thereby improving the productivity of the tutor as well as the taught ;
- I enables the librarian to concentrate an other tasks such as research and consultancy ;
- I enable optimum utilization and sharing of resources among institutions thereby reducing the costs of implementing ICT Solution.
- Enhances interaction and increases student engagement.
- Learning is accessible any time, any were, any place.
- Offers new learning techniques as classroom tools are constantly evolving.
- Decreases teacher paper work improving work-life balance and improves parent teacher interaction.
- Exploring the vast potential of technology in education can be daunting at first, but its well worth the effort.

Impact of ICT in library

- ✓ To introduce and provide new services, revitalize the existing services by providing faster access to the resources, by overcoming the space and time barriers ; and to provide need-based browsing and retrospective search services to the users.
- ✓ To have large number of data bases in CDs.
- ✓ To utilize the staff for providing better information services.
- ✓ To encourage networking and resource sharing at local level.
- ✓ To Digitize the documents for preservation and space saving
- ✓ To support library functions such as circulation, serials control, acquisition control, stock maintenance and other developing in-house database.

- ✓ To retrieve and disseminate the information in user-defined format.
- ✓ To access library catalogues database of other libraries through library networks.
- ✓ ICT made networking and sharing of information resources possible.
- ✓ Digital information may be free or cheaper than print equivalents.
- ✓ Digital information can be sent in multiple copies simultaneously over information networks in fractions of a minute or even of a second.
- ✓ The digital information environment changed the way information is created, collected, consolidated and communicated. Library services became automated and information services became electronics.
- ✓ Librarians had to learn new knowledge and skill in order to meet user needs for new information services using ICT and e- resources.

CONCLUSION

ICT can offer real opportunities to improve the quality of library services. The ICT has reduced the gap between library services and learners or its users. In order to extend quality higher education, we need to promote library and information services to student and faculty and this is only through the exhaustive and proper uses of ICT in library service. Computer and telecommunication greatly revolutionized the field of library and information services. It has changed the way library is providing services and facility to its users.

Although in India ICT has been implemented to a great extent but it has to go far ahead and adopt and implement newer technologies to keep pace with technological advancement and sustain them in this fast changing technology era. Our users are changing with the pace of technology so libraries have to change accordingly keep pace with the technological advancement and satisfy its clientele. It is high time for the modern library to take in the changing faces of its patrons and respond accordingly.

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