

Challenges of Information and Communication Technology and Library

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Abstract: - *Use of Information and Communication Technology can make substantial changes for education and provide powerful support for educational innovations. Information and Communication Technology influences library activities like acquisition, circulation, serial control etc. Recent developments in Information and Communication Technology have characterized fresh ways of information generation, controlling and dissemination of information. Information and Communication Technology has helped to overcome the barriers of time and space and also reduced the time consumption between the generation of information and the users. Information and Communication Technology offers various opportunities for libraries to automate its activities, provide value added services, implement effective and efficient library resource sharing networks and initiate new programmes for its users.*

Keywords: Information and communication technology, information generation, library activities, library cooperation, education

Introduction

Information and Communication Technology has brought a revolution in every sphere of life. It gives an enormous opportunity for significant and positive changes across the developing world. At present Information and Communication Technology plays an important role in human life. According to UNESCO Information Technology is “Scientific technology and engineering disciplines and the management techniques used in information handling and processing information their application, computers and their

interaction with man and machine and associated social, economic and cultural matters.” The speed of changes in new Information and Communication Technologies has a tremendous effect on the way that society lives and works worldwide including library and information centers. During recent times, developments in Information and Communication Technologies have characterized fresh way of information generation, controlling and dissemination.

Today’s society depends on science and technology for timely organization,

communication and dissemination of information, because information is considered as an important resource for socio-economic development of the society nation. Developments in Information and Communication Technology have enabled libraries to provide access to all and also bridge the gap between local, national and global. Use of Information and Communication Technology can make substantial changes for education and provide powerful support for educational innovations. Information and Communication Technology influenced library activities like acquisition, circulation, serial control etc. Recent developments in Information and Communication Technology have characterized fresh ways of information generation, controlling and dissemination of information. The speedy growth of Information and Communication Technology has changed the path of services and activities of the library, the present society is transformed into knowledge based society. It has also changed the face of library, management system and access of information by adopting new advanced technological devices.

Information and Communication Technology has helped to overcome the barriers of time and space and also reduced the time gap between the generation of information and the users. Information and Communication Technology offers various opportunities for libraries to automate its activities, provide value added services, implement effective and efficient library resource sharing networks and initiate new programmes for its users. Information and

Communication Technology has contributed to the performance of librarians in delivery of their duties such as acquisition, circulation, cataloging, serial control etc.

Information and Communication Technology has contributed in the library in the following ways-

- Document delivery
- Library management software
- OPAC
- Library cooperation
- Information literacy
- E-services
- Inline / offline database
- Internet, E-mails, Social media

Advantages of Information and Communication Technology in the library-

To provide right information at the right time in the right way to the right users is not possible without Information and Communication Technology.

- Information and Communication Technology make library activities easier, more effective fast and cheaper
- Information and Communication Technology makes information retrieved easier
- Computerization saves the time of staff and users also saves space and paper work
- Information and Communication Technology promotes the library cooperation among the libraries through networking
- Remote access is enabled through networks

Information and Communication Technology enables better management of the library. Libraries which were considered only as the storehouse of knowledge have got a new outlook in the current Information and Communication Technology era.

Challenges of Information and Communication Technology in libraries-

- Funding of libraries
- Constant changes in information and communication technology devices
- Lack of IT skilled professionals
- Copyright management
- Information access
- Preservation of information resources
- Changing role of librarians

During the last few years, by using Information and Communication Technology, libraries have not only observed changes in their services and activities but also identified a new active role of librarians.

Conclusion

Information and Communication Technology consists of a diverse set of technological tools to identify, collect, organize and dissemination of information. The current era of information environment requires new skills in seeking, processing and using information. It hopes that the library professionals can focus in this fast changing technological environment which demands library professionals must have multi skills, multitasking abilities in the area of Information and Communication Technology. In the Information and Communication Technology era there is necessity to applied Information and

Communication Technology in the library to provide better information services, activities to its users. The introduction of Information and Communication Technology, has significantly increased the demand for faster, easier ways to answer information needs and produced new means for people to utilize. Information and Communication Technology facilitates speedy library operations, services and access to and delivery of information. Today the information is an essential part of every one's life. The availability of right information for right user at right time in right cost, but it is possible when information is processed by implementation of modern technologies. In this century library professionals are now position to meet the challenges and provide the information to the users with the help of Information and Communication Technology.

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