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Information Communication Technology Enviourment Scenario of University Libraries Dr.Vaishaliben Bhavsar*

Introduction:

Library is a social organism. The managerial techniques are adopting new dimensions. The structure of higher education is changing gradually. It is describe that all the university libraries should have modern pattern of management and scientific system should be so involved that the library should succeed in achieving the real objective, 'better and greater service to reader'.

Libraries are the soul organ of the society for preserving the cultural heritage and any achieving society dare to ignore this fact. Information is recognize as an important resources and currency of 21st century. The information people to all the related technologies which are complicated in information, handling, consolidation, repackaging, communication and retrieval be merged so as to evolve an integrated system capable of providing diversified services. ICT has the world becomes global village which has changing into the national information infrastructure. Library services are expected to user various types of technology to provide information more easily, effectively it reveals the Dr. S. R. Rangnathan's fourth law of library science "To save the time of user".

Role of University Library:

A university library's role is much more important in higher education. It would be an exaggeration to say that a library is an essential perquisite for successful implementation of aims and objectives of higher education. The essential requirement for a university there should be a noble library with stable and satisfactory collection, those who satisfied the academic requirements of university teachers, students and help to promote for progressive study and research programs. A university is rated largely by its library. No university can develop effective work in the academic sense without a strong library as its center. It is the central workshop of the university which provides the students, the teachers, the scholars and the research workers with the tool required for the advancement as well acquisition of knowledge. What the laboratory is to research worker in branches of experimental science, the library is to the worker in the fields of humanities and social science.

The new technology as we have been made greater impact on the structure, functioning and services of the library. Library services is no more confine to the four walls of the library. Printing material documents are supplanted by electronic and digital resources. In the new environment user – librarian interaction is reduce to the minimum. User are adopted to the use of electronic sources of information. Library may at most become and intermediary in the informnation transfer chain.

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In future user can have direct access to the source and the library may conveniently be by passed. Library of the future will be a reprocessing center where information is gathered, processed, packaged in a suitable way so that the packet contain information tailor made to the need of the users.

Information Communication Technology (ICT) Environment Scenario:

Man is decision maker and information is the vital source of decision making, Information is the power. It is a vitamin like source. Information is an essential part of everyone's daily activities. The information is very important weapon in the hand of human being for modern research in science and technology. The information is dynamic for the socio-economic development of a country. Information is becoming a vital raw material in our rapidly changing highly cost oriented society. The ICT has given birth to a new environment socially, economically as well as in the libraries. It was long ago when libraries were considered the storehouse of information. Tremendous use of information and communication technology (ICT) became a major source of quick, and to some extent complete and latest information. Through libraries are converting their huge database into digital format and placing these databases on the web so that the same are accessible to their users efficiently and without much difficulty. All this has been made possible during the past some time with the difficulty of ICT. It is now so common that one can access the web with ease and with only a nominal cost.

Changing ICT based Library Scenario:

ICT based libraries require undoubtedly automation technologies. The automation libraries are a varied library which covers hard copy to online access systems. The well furnished with latest technology adopted automation libraries are considered as a good library. Where anyone can access the desire information available in the library or internet through the automation of the library. Automation can be identify the references or fulfill the academic need of the user of the library. ICT is the biggest achievement in the development of mankind. Process or distribute information is the science and skill of all aspects of computing. ICT is combination of tools and techniques that facilitates the generation, acquisition, organization, storage, retrieval, searching, viewing, updating and transmission of information. The tools used in ICT include computer programs, communication networks, databases, analysis and design methods, artificial intelligence, programming languages, robotics, knowledge bases etc. ICT has long footing influence in almost all areas of human activity. It acts as a means in all spheres of science and technology. The accessibility of information at right time and in the right form is of almost in all the development activities. It has become very difficult to deal with the information manually due to the explosive growth of knowledge. Knowledge in almost all fields is increasing extremely in a multidimensional way. There is requirement for proper organization and management of information and knowledge. The introduction of digital computers, advancement in telecommunication technology, widespread use of

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networking, growth of internet, worldwide networks, optical discs, mass storage media, interactive video, image technology, computer graphic, virtual reality and the development of public and private database have opened up new opportunities in the field of collection, organization and dissemination of information. Thus information is not only be stored, retrieved, communicated or broadcasted electronically in vast quantities and exceptional speed, but also be rearranged, selected and transformed. Users only locate the information; information is not usually structured, no rules or codes are followed and no one controls the information that is made available. The data or information will be of different types. To organize these data of information, we require cataloguing practice and it calls for an appropriate data model for organizing data with a standard format. The tools like Gopher, Mosaic etc help in cataloguing, searching and retrieval of information from these automation libraries

Conclusion:

Library are considered as the heart of the educational institutions. This performance has given significant role in teaching and learning environment of the information age. The need of information and urgency in acquiring the needed information has prepared libraries to change rapidly. During the nineties there has been a revolution in ICT library system. The technology available today made it possible to mix up media objects such as text, image, audio, video. Because the visual information systems are getting more popular libraries are becoming more and more graphical in nature. ICT has provided numerous new media, new styles of studies, organizing, recovering and communicating the information to the readers for acquiring the information. This is portable and movable to any point to any of the place of the world. The role of library and information as a communicator of published information and processor of the same is to facilities quick retrieval, access and usage by the end users for the benefit of human development.

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