

CHAPTER-I

Introduction

1.1 Digital Library

E-books, digital libraries and E- resources were introduced in 21st century; multimedia widely spread such type of concept rapidly into the modern age. Today's world is technological and need advanced knowledge. Libraries are source of providing this type of knowledge. The libraries were always helpful to the students. Library always provide the space and knowledge to the students and students hardly studied and get the success. The role of library is central point of education system. Human being needed essential accessories and e-resources provide such type of necessities. The new technology always supports to the education system for solving the problems. The technology is helpful to the teacher, students and developing things. In past time education is a centrally and students are second place but now the system is changed with opponents. Students took the place in central position in the education system and that time if the technology is provided the support to the students then students get the feedback for self-developing in education.

Why human beings increase their necessities? Answer is that in past time human beings only having three basic need but today needs are increased causes of electronic age. In electronic age we see the mobile in every hand, but it was started from the discovery of computer. Now the researches reach to the internet which is the main source and need of human being. Dr. Abdul Kalam dreamed vision 20-20: in which modern India was stated. Cause of explosion of knowledge, society needed fulfilment.

Digital libraries are the outcomes of ICT (Information Communication and Technology) explosion. In developed countries libraries are being to connect with each other remote hosts to conduct online searches for commercial digital biographic databases. The invention of CD-ROM in 1980 was turning point in digitalization of information. In 1987 first electronic thesis was introduced. The World Wide Web projected was firstly proposed and continued to 1993 and the revolution is helped to the nation for development. 1990's marked a progressive more towards digitalization

due to networking, electronic document, delivery services, online services, electronic services.

Digital libraries are emerging concept of modern age. Libraries provide books from which readers, researchers and inventors are provided the knowledge. Books are always performs central point for reserve the knowledge full information but there are some limitation for the printed material. Therefore for taking the place of printed material there were produces electronic medium and now it is converted into the digitalization. Books are having the same place but the nature of books storage is changed. It looks towards new emerging technologies. When there are arises the problems into the reading at the time of examination that time references helpful for the students. First of all students went towards the library but after using the technological support library came towards the students. The relationship of students and study was very old; this relationship is today alive through the electronic media.

Digital libraries have evolved based on the techniques and principles developed by Vennevar Bush who designed a system called 'Memex'. The concept of digital library is global phenomenon and library have started connected with each other (Dilli, 2009, p-163). Digital library denotes an organization and digitalized system of data that can serve as a rich resource for its users. Digital library is electronic library rather than a collection of electronic information. Human being is a reading animal. Reading is became a habit of human. In the past time we focused on our 'Granth' and 'Adyay', then reading became for arising the people towards the freedom before the independence. Then society needed awareness towards the women and castesism that time education supports it through the library collection. At the library there were found all type of collections. There were found books of academic, textbooks, reference books, journals, periodicals, newspapers and other collection that supports reading habits. Peoples are more attracted towards library in the days because the library is the gateway of knowledge from which human being gets the knowledge.

There were found various definitions of digital library mean all computerized libraries and also a type of information retrieval system. It is a way taking substantial amount of time, energy, economy and man power being pumped it. The digital library needed the computer, internet and other hardware and software material by which the digital library enriched with the collections and provide the all necessity.

The digital library are very broad term which is access the information from social network and helpful to themselves. The information of the library needed enriched and advanced through which the users get the information and the changes are done into the society through theses digital library. All the information of communication gets through the digital library. There are used various terms in them one term is came such as multimedia. Multimedia means the inclusion of maximum media for communication. Thus when the terms referred as digital library came that time it took the support of multimedia. Various types of text were included with the digital library there were also came various images, different sounds, various data. Then at the time of using the digital library there be needed software by which user understand it. The network of the libraries was attached with the each other through the internet and computer. Thus the libraries are also come in the touch of each other. The information is transfer through the digital libraries were very fast and having speed. The storage capacities of the libraries are increased today cause of technological revolution. The hardware provide maximum place for information and so books are converted into the digitalization process.

The world is used the library through the digital medium and came nearer of each other. Digital libraries are also called as libraries without walls; it means a library without physical infrastructure such as building, various sections, reading areas, stock rooms, circulation area, furniture, equipment etc. Digital library means information which is collected through using the electronic media and storage. It means accession of all books, music, videos, and journals on out reading table with the help of a PC, an Internet collection, a web browser etc.

There are comes some terms in library information science which confuse use; they are electronic library, virtual library and digital library. electronic libraries took the help of electronic medium, virtual library are the virtual medium which is depended on the electronic help and Digital Library means a Library that provide collections and services in digital format.

The concept of digital library is growing rapidly. The future of any country is depended on its education systems and information transmission. If in a 21st century we want to the country developed then country needed the acceptance of the digitalization of books or library. If at present country invest into the digital form

that time future of country became very bright. New generation is advanced and accepts all challenges of life. This generation believes more on the electronic medium than the printed material. They handled any new hardware easily and they interested in it. In India the statistics of youth is highest in the world. These youths are the power of the nation and its future. The society needed to understand the need of these youths and adopt the advanced culture. The youth is attracted more towards electronic media and digital library is the one terms of it. Youngsters are always busy on internet source it became the need of them. Therefore if we want to increase the reading into them that time we need to adopt the new technological approach. Digital library is more beneficial to them by which they get the knowledge of development.

1.2 Uses of Digital Libraries

The universe reached towards each other for getting the knowledge and information which is necessary to the human. Human is a social animal which is lived in the society and communicate with language which needed information. From it is cleared that information is a midpoint of the society, now the question is that which how the information collected, transferred and stored. The form of information and capacity is very large; it can't be counted into the measures. Human wants this information for communication or for living the life. First of all finds the nature of information which is found in captured type; now collect it into the unit bond and turned towards the user. For getting the meaning to this information human need to understand it. Now second point is that how and where this information will store? The answer is that the information storage capacity is in the computer where we have stored this information and used it through the internet medium. The storage and transfer rate of internet is very high therefore human used it for their development.

Information is thing which is need to human any time anywhere therefore the medium needed strong to transfer of it. Now the education system is a second point where this information is used and education is the developing back bone of the society. Now understand the education system that time one thing is cleared that the library is the centre of it. Library needed enriched with the references or book. Now the library is only providing the information to the users; no. library not only provides the information but also transfer the culture to the new generation. Culture

is the golden of India by which it becomes us from the other. Thus the library is having the points of books and culture. Now the nature of library is needed to change time to time but after understanding the education system of county it is very difficult to modernize it. After reviewing the arising concepts of library, there be concluded one thing is that the digital library is the upcoming need of society. Digital library needed the digitalized nature of books and references.

Library included or used for the education and research. The first point is education where the concept used highly. Education is contending with the library source by which the users get the knowledge and information. The nature of library is changed with the concept of digital library which have include the scanned books which is called digitalize. After scanning the books, references and text books, it is opened for user for reading by which they get the knowledge. Education becomes digitalized by which the need of teachers, students and education system increased. Digitalized books needed maximum storage for which computer be used, the capacity of the computer is unlimited. The digitalized books are ready for users anytime, anywhere. The central point of education is students which are used books very much. If there is the system of digital library then user get the information or knowledge through it in a second. He can't the need of books with him the digitalization stored it in a process and available twenty four hour to the users. At the time of examination he is used maximum references and solved the problem.

Second point where the term used as digital library is research. The country is recognized as developed when there is a found powerful researchers. Researcher is a developing point of the country. Human wants the life with easy services and research provide this. Researchers always efforts for better research results and search provide easy service. Now the countries need to understand the need of researchers then they understand that the references or books are their need by which researchers gets the direction for their research. Digitalized books are provided anytime anywhere by which researchers get the help for their research. Research areas where decided from the reviews of it. Reviews provide the help to fill up the generation gap and it is possible through the digital library. Digital libraries are interacts with each other and provide the information to its users in a time.

1.3 Attitude

Attitude is a point of view, which is holds by us towards a person, object, task or idea. Marami Goswami stated that attitude stimulates the behavior and performs of an individual and may be explained as a mental preparedness and which provide stimulus for an individual in some direction (Goswami, 2012). Attitude is a degree or strength from extremely positive or negative. After studying the attitude we acknowledge about concern factor. In present study researcher will study about attitude towards digital libraries. Society emotionally touched by attitude factor therefore for testing any factor attitude is constant way of testing. Digital library is need of testing by which we get the answer of technological necessity. After studying the attitude we have understand the view of a person towards it. Present study is objected as to study and examine the attitude towards digital library. Review of the study showed the need of the research. There were found less study about attitude towards digital library. There are found lacuna in the area of digital library. Thus there was no found single study about the teacher educator's attitude towards digital library. Therefore teacher's attitude wants to modern and practical; because they transfer same attitude towards students. Modern age was liberties, privatization and globalize therefore students are need to modernize.

Now if society of the area wants to lead then it needed digital library because digital library provide the information at anywhere, any time and in a second. Higher education is now a day stand upon the concept of digital library, therefore accept it. Any region or sector if wanted the development then it should be focused on the resources by which all the necessity is completed in time with fulfilment.

1.4 Importance of the Study

In higher education of the India the role of digital library is digitization, dissemination and preserving the knowledge. Digital library helps the country for development of higher education. By using digital library education supports to the students for getting the new and emerging knowledge. It can not only introduces the knowledge but also provide it as faster as possible. India now leads in every sector, in which higher education also included. India is want to success on human development therefore the role and responsibility of higher education increased. 20-20 vision wants revolution in India and 21st century wants to see the rising golden

days of India as developed country; so digital library is one of the ways to provide the support to this thought.

The importance of digital library research is beneficial for the students, teachers, education systems, researchers, and parents etc. students are the back bone of the Indian education systems. Students are the power of the nation. The country recognized from the success of the students, thus the students makes the education systems. Digital library is a concept which is beneficial to the students, because students get the knowledge of it. Digital library provides the information to the students in a second and students increased their knowledge. Digital library is having the storage capacity and transmission capacity by which students get the relaxation. For better all round development references or books provide the supports and digital library played a medium role for this. Students feel confident from the digital library information. Thus the digitalized format is providing the enjoyable environment to the students. The new technology based education is favourable for the students by which they totally poured themselves into the core side of it. Students now turn towards the acquiring knowledge of any faculty for which library played major role. Student's reads the information anytime, anywhere causes of digitalize library. Students having the most of acquiring capacity of knowledge through the library but the systems made the error into it. Students read the books at the home by the help of digitalized library and prepared for any examination.

Students are mostly of the higher education is beneficial of digital library because they are original reader of the digital library. Digital library helped them for solving the problems of the education, curriculum or research. Digital library provide them number of books through the digital library. New trends of the research are also useful them because thesis or dissertation of the researcher is converted into the digitalization by which researcher got the direction for their research. Thus the higher education system is beneficial to the students through the digital library. Students of higher education always fight for the bright future and worked hard for achieve the goal of life. They are finds the innovation in studying at time of youth therefore if the habit of reading provide them special space then it is more benefited to them.

After students the digital library is useful to the teachers. Now there are two concepts for the teachers first is trained teacher and second is trainee teacher. First is prepared from the training and ready for education system. Second one is teacher trainees which are teaching in to the training colleges for teachers. At both time teachers needed help of digital library by which they were developed their skills through it. Teachers are focused on the new teaching concepts, methods, models and skills. The knowledge of this thing is get to the teachers through the digital library. If our teachers made the broad views towards education then it is more beneficial to the students because the information is transferred from teachers to students. The interaction became more powerful with the help of digital library. The teachers provide the knowledge through the digitalization which binds the relation between them and education is benefited by it. Now if the students are very far from the teaching process then it helped to the teachers to reach towards it. Thus the student and teacher are to major phase of education which became more powerful through the digital library. Education only understands it and implements the upcoming things in education system.

Thus present study focused on the emerging issue which is related to the modernization. Teaching and learning process is focused on the issue of new technology by accepting the emerging approach. Digitalization takes lead to the education system by which upcoming generation gets the right direction by which society also affected by it.

1.5 Need and Significance of the Study:

Thanuskodi, S. and Ravi, S. (2011) were studied about digital library and finding showed that there were found maximum use of digital library by the research scholar and faculty. It means when the research had done in any faculty that time digital library always support it. Faculty members used the library by the digitalization process, it provide easy space by which researcher make its hypothesis into the results. For saving the time it provide the best space.

Dr. A. P. J. Abdul Kalam also stated that for the better future digital libraries provide the space by which peoples interact with their knowledge. Thus the digital libraries play an important role in society development. Digital libraries contains fixed document; it is based on technology; it is used by individually; it provides hard copy

to electronic or online systems; all information found in digital format; user friendly interface; it contains network accessibility; availability for long time and twenty four hours; accessibility for long time from anywhere and any-time all over the world. Thus in traditional time there was found lacuna of new approaches toward library. Therefore in present era digital library plays the major role for user.

If we have successes into understanding the view of our student-teachers then it helps us for developing the country. Teachers are the futures and their view towards this sector of library must studied because it provide us the view and present status of the peoples who want to be aware towards it. If they understand the need of the study then it is beneficial to all the society. Society must change by it.

On the basis of above argument there can be following research questions arises:

- What is the attitude of B.Ed. Student-teachers towards digital library?
- Is there any difference between attitude of male and female student-teachers towards digital library?
- Is there any difference between attitude of Science and Social Science student-teachers towards digital library?

1.6 Statement of the Problem:

Based on the above argument following statement of the problem is proposed:

“A STUDY OF ATTITUDE OF B.Ed. STUDENT-TEACHERS TOWARDS DIGITAL LIBRARY”

1.7 Objectives:

- To study the attitude of B.Ed. Student-teachers towards digital library.
- To study the attitude of Male and Female student-teachers towards digital library.
- To study the attitude of Science and Social Science student-teachers towards digital library.

1.8 Hypothesis:

- There is a high Attitude of B.Ed. student-teachers towards digital library.
- There is no significance difference between attitude of Male and Female student-teachers towards digital library.

- There is no significance difference between attitude of Science and Social Science student-teachers towards digital library.

1.9 Operational Definition of the Key Terms:

The study deals with the attitude of B.Ed. student-teachers towards digital library for which following definitions are unpacked as:

Digital Library: Digital library is an online database of digital objects that can include text, images, audio, videos, digital documents, or other digital media formats or a library accessible through the internet by student-teachers.

Attitude: Attitude has been defined differently by different people. The present study terms "Attitude" as an enduring system of positive or negative evaluation, emotional feeling, pro and cons action tendencies with respect to social objects.

According to G.W. Allport (1935), "The concept of attitude is probably the psychology most distinctive and indispensable concept in contemporary social."

Student-teacher: Student-teachers are those who are getting training or studying in teacher education courses to become teachers. As and when their training period is over, they join the coveted profession of teaching and become full-fledged teachers. For the present study, the term student-teacher indicates B.Ed. students studying in Regional Institute of Education, Bhopal.

1.10 Delimitations of the Study:

The present study is limited to the following steps:

- The present study is limited only for student-teachers studying in two years B.Ed. course of Regional Institute of Education (NCERT) Bhopal, Madhya Pradesh.
- The data is collected from 50 student-teachers only.
- Self-made tool is used for the study.
- The Likert scale is used to measure attitude which is subjected to response bias and restricted choice.

1.11 Conclusion

This chapter presents an introduction of the study, problem of the statement and objectives of the study. The second chapter presents the review of literature related to the attitude of student-teachers towards digital library.