Chapter IV

Relevant literature Review

Introduction:

The present chapter depicts the review of literature and a detail study of other research scholars. In this chapter, it is a study of different researcher’s and their work, how they express their views and opinions about information seeking behaviour of LIS students. There are many sectors where needs library, such as college, universities, cour and many other institutes.

Each and everyone has need to search information related to their fields, for example students, teachers as well as professional persons. They use great source to get update information related to the work.

When one lights to the last a period of ten years, it finds that the interest of students is in to crease about the use of library and information behaviour. If finds that the number of students are to increase and that’s why they need to increase the numbers of libraries.

Studies of student’s attitudes and use of university libraries has been conducted in several countries. Findings from earlier studies concerning student’s problems in the studies performed in 80s and 90s. Hoglund and Thorsteinsdottir (1996).

The above statement describes the stududents attitude and use of university all over the world, students use libraries in order to validate their work. The library provides correct and confidential information to research students or college; university pupils.

Adetoun Elizabeth Adekanye (2014) According to her women play the significant role in the development of any country. In her study, it shows that they have great potentials necessary to evolve a new economic order to make faster social, economic and political development as well as try to transform the society into a better one. It is a study of Nigerian women and their
strengths as projected by the Nigeria census statistics of 1999 and 2006. Everyone needs information for the development, because information is the key to connect global and its development. Many businesswomen emerge an individual spirit into long – term business ownership job creation and economic security in the world.

They need to understand, the information behaviour is very important to develop their social economic condition in the areas of commitment, integrity and development of business.

**Anyaogu, Uluocha. (2014)** In his study, he expands that the volume of legal information resources help the students of law particularly to fulfill information needs and seeking behaviour. The librarians help them when they need to search information for their study or research work. As a law students, they need to study and research various information. Therefore it is responsibility of institute or college to provide legal information with the help of library. The library has to provide right information and right resources to them. And it is necessary to take care of the available the legal information provision strategies. It needs to provide them such as computer and internet facility to access information, and its strategies. So NIALS library needs to articulate and sustain effort to provide the needed facilities so that they can easily access the legal information with the help of its resources.

The role of librarian is most important while seeking information. Because information seeking is a complex process and everyone need to take help of librarian. It means that without help of librarian one can not get proper information needed to them. Here librarians have to change while providing service of information seeking behaviour because many students of law depend on the law library to get information.

**Bhatti Rubina (2014)** with the help of study, it reveals that the college libraries of Elementary Colleges in Bahawalpur Divisions offer good services for their students. They not only offer relevant material but also satisfy their users by providing information needs of subject specialists.
The study suggests that the librarians working in these libraries perform good job for their students as well as users.

**Bomman Sathivel Murugan (2014)** In her research work, she reveals that medical practitioners information need is significantly differ from gender, educational qualification, work place. However, medical associations, government both state and central medical college librarians come forward to take organize information literacy programmes and hands on training to the medical practitioners at various levels based on their educational qualifications, experience, and workplace. It is more useful for social development of a nation.

**Cool Colleen et al. (2014)** According to them, there are many users who handle or use internet with a little training, and they have no knowledge or experience of handing internet and computer. Even though, they have lack of knowledge to handle internet, they are all agree with the new features are useful and necessary.

With the help of communication to one another, it helps to understand the important techniques to use internet if they are routing or new. They are unable to understand many times interactive searching techniques with do not support it. But they use many features which they have available. They use the general features for collecting information.

**Ilogho & Nkiko (2014)** In this study, they chosen student form the five selected private universities for his research work. It finds that the students have no generally good information literacy skills. They have very little knowledge how to collect information and use library for their study. They reveal that almost 62.67% of students are unable to use right word while using the library catalogue to collect a particular title or book. The other thing is that half of the student only response to the questionnaire items correctly and half of the other students are not sure about their response. It means that they just fill the questionnaire because they have to fill it.

The study indicates that the students haven't knowledge of information literacy skills and they have very little knowledge of library applications.
finds that students are not familiar with the various information sources as well as its types. Here the study finds out that the students are responsible for this because they never attend information literacy classes before, or some of them attend classes occasionally. And those students attend classes they never pay close attention to what teaches in the classes. Thus it concludes that these institutions are more theoretical oriented rather than practical hands on.

**Rai & Kumar (2014)** According to her, the nature of Information Retrieval System is interactive and interface system design support users which effectively interact with information and system. To some extent the interactive characteristics of IR interface facilitates users’ interaction with information and system. However, from this study it concludes that there are still some issues unexplored and require more attention like, how the help mechanism functionality of Information Retrieval interface of e-journal database system get design that user more rely on this function and considering this function first as a help rather than taking external help for searching.

Hence from the study, evaluation of help mechanism features of IR Interface of e-journal database system reveal that most of the help features support by all selected e-journal database system, only few features like online search screen help, contextual help and spell check.

**Sahu A.K. et al. (2014)** He discovers that library and information centre plays an important role to provide useful information related to property and use of metals. He also points out how to access information to choose appropriate publication and rare document of archival these are most important points to get data. There are six metallurgical organizations; they provide information to their users with related to their work. It finds out that the government provides funds to library and information center in order to provide excellent facilities for the users. There are some library and information centers which have public funds; they provide technical service to their users. Thus, the study helps to the professionals of library to manage library and its services.

**Ahmed Shakeel G.T and Vinayagamoorthy P. (2013)** The present study reveals that Internet becomes a very easy source for accessing information. It
is a kind of e-resource to collect data related to their research work. Here technology plays an important role in the business education, because digital guide them technology impact on information seeking behavior of the large numbers of library users. Not only faculty members but also students search information with the help of e-resources. One can get free guidance for how to use and collect information from the internet while searching information. In order to get or collect information which is necessary, the guidance helps the students to collect data.

Faculty member also should give more assignments to the students but they should guide them how to use authentic resources for their research work. Librarian also has to guide students to show them a kind of tailor how to use internet while seeking information behavior. The present study depicts that the valuable information is necessary to undergraduate students. Internet helps the students to collect information while preparing or writing of assignments, seminar papers, for class discussion, examinations and tests. They get all information with low rate as information on personal life, social life, health information, employment and global information etc. It also helps to collect information which is related to their research work and therefore they write properly their final year research papers and more than any other information. Though this trend is very easy to use resource, they are not aware about new and latest updates on information. And therefore they miss a lot of facts while searching information.

Thus the result of this study is that they are very satisfied with the services which provided by college or university library. Though the library tries to satisfy various respondents, it has some difficulties to satisfy everyone for providing their needs. Many times in order to complete their academic formalities, students avoid these resources for easy efforts.

Kumar Ashish (2013) Universities and colleges libraries are play a vital role about information seeking. Libraries are not only store of the knowledge but also treasure of such knowledge ignoring about library we can’t seek information. The difficulties which are faced by research scholars they try to
reduce that difficulties which are arised in the way of seeking information, some suggestions are given here.

1) Library is a such type of place which organize more awareness programmes and seminars for researchers one who seeks information.

2) Library provides desired facilities to the user’s needs.

3) Very few periodicals are granted by college library on the area of social sciences now this position is changed. It (library) should achieve e-journals on various subjects of social science.

4) Computer system along with internet is provided in the college library for research scholars.

5) Library also provides a lot of other information sources to satisfy the need of research scholars.

6) Catalogue filing is the immediate need of the library

7) New and brand computers are provided to the research scholars for seeking information.

8) Translation into any language this service/facility is also provided

9) Library trained and qualitative staff should be provided for the training of ICT.

10) A reference librarian should be appointed to center to provide satisfactory service / facilities to the users.

Gavgani Vahideh Zarea et al. (2013) The study indicates that the doctors in Iran are passive information seekers rather than active ones. This study reveals about the people who refer the public libraries to fulfill their health information needs. The group of people is totally different from the education, age and gender point of view. T. V. and discussion with other are the most common resources for seeking health information. However, the study reveals that the people from the all society need to conduct similar studies in other stratum of society.
Thus, this study suggest the one of the key issues in public libraries have to educate the citizens until people become familiar with available health resources in the library. And it is needs to teach them how to search on the authentic websites by librarians.

**Kumaripaba Athukorala (2013)** This study mainly highlighted on literature searchers and their complex matters for the information seeking behaviours of computer scientists. This study has given stress on to extend out profound knowledge about how to improve existing literature search tools to provide best support to users for seeking information behaviour.

We found that mainly four purposes are stated about literature searches i. e. 1)Keeping up to date information 2) exploring new topics 3) reviewing literature and 4) co-operation. The study gives more stress not only on purposes but also the information seeking behaviour of computer scientists. Particularly this study was focused only on computer scientists.

**Liu, Zao (2013)** In this study finds that there are two different theoretical framework methodologies and findings on information seeking behaviour as well as suggested an alternative interpretation. There are valid approaches in the study between Gluck and Cheuk. It finds that their studies are valid and true. Gluck examines the casual relationship between different changes, though it is theoretical. He proposes that his theoretical model remains to be tested by the experiment. In contrast, it finds that the conclusion of Cheak is based on the findings from her practical experiences of the subjects in their workplace.

It examines that the research process is continuous in nature and the human importance is an unlimited semiosis. There are some new problems to arise from tentative generalizations and lead researchers while formulating hypothesis, making research design as well as designing measurement, collecting and analyzing data. Thus, it finds that the cyclic process continues indefinitely reflecting the progress of a scientific discipline.
Moskina Viktorija (2013) This study reveals case study about information seeking behaviour. The students who are studying at secondary school try to search information by using various electronic channels of information sources. Most of students of Riga Classical Gymnasiium plan information search process for the scientific research purpose.

1) Secondary school students collect various information through the mode of electronic devices like computer, mobile, internet, keyword etc. but a lot of students followed traditional methods to collect information.

2) Various information channels i.e. electronic and traditional are used to achieve information to the purpose of scientific research. Those students who are Riga Classical Gymnasiium use an electronic channel as like internet for the scientific research purpose. All students use online resources of information, and a lot of students use traditional methods like books and periodicals etc.

Mostofa, Sk. Mamun, (2013) The study focuses that, these days are known as information age and there is tremendous flow of information which emerge in all fields throughout the world. Now days the growths of literature and publication programmes are increasing therefore it is very difficult to manage or provide information manually to the users. There is lot of information which provides from library or online to fulfill the need of users but they have lack of knowledge how to use library or how to collect information and its way.

This study examines the acquaintance of the faculty member with the information searching process. The study reveals that the faculty members need information for teaching and research purposes. They get information with the help of telephone and e-mail. Here, telephone and e-mail play the significant role to provide latest information to them. However, the faculty member’s seldomly use the library for their study. The problems identify that they cannot get proper information sources to collect information because there are more information sources scattered in too many sources. It also finds that the faculty members have the knowledge of their own to meet the need of information searching process.
There are two suggestions of conclusions for information need and information seeking behaviour. First is all it finds that the faculty members of each department work co-operatively with each other. And secondly, the librarian has to provide them the specific information seeking skill and information for every department related to their research work and teaching activities. Thus, the study hopes those university authority and college faculties have to pay attention on the development of academic. It helps to get benefit to both faculty members and the students.

**Naeem, Salman Bin Salman et al. (2013)** In his study, he focuses on the doctors problems when they work in the primary Government health care centre. They face or suffer with non availability of the services in the remote health Government centre. Many times, it finds that majority of doctors do not use computer and internet to get information which directly affects care of patient. It shows the disability to search current information and the study encourage further research on the challenges in seeking clinical information in primary care in Pakistan.

**Ogunmodede T. A. et al (2013)** The present study focuses on the health information need and information sources consulted by pregnant women in Ogbomoso metropolis. The level of education of majority of the respondents show that there are more pregnant women with graduate and post-graduate certificates which in turn affect the sources of information consulted by these women in meeting their information needs. Although information needs of pregnant women in Ogbomoso metropolis are enormous, the sources of information used do not support educational status of the respondents as larger percentage of the respondents ignored utilizing the professionalism of nurses as a good source of information. The level of patronage of maternity health centre, local chemist, primary health centre, the use of media etc.

**Ossai-onah Oyemike Victor (2013)** The undergraduate students from both Universities Federal University of Technology Owerri and Imo State University Owerri seek information to fulfill their academic and research needs. The undergraduates from the institutions seek information by browsing through the book shelves as well as consulting the catalogue. Many times the students do
not go through the bibliographic sources nor do they take help from the staff of library to seek information to fulfill their academic desire. The approach of students towards information seeking is quiet disheartening and they have no confidence also. They visits library to get information, but they return without having information. It means that they puzzle while searching information due to lack of knowledge and confidence.

They claim to get their information needs through the various approaches. Basically, the students visit the library with a view to update their knowledge. Many times the undergraduate students visit library of college or institution in order to write assignment or carry out research. They mostly use textbooks as their resource of information. They also use very few periodicals and journals as well as abstracts to access information. It means that periodicals, journals and abstracts play a significant role for the undergraduate students. Sometimes the non-availability of information materials is major problem associates with them, but in the information and technology world, internet helps them to seek information related to their needs. Thus, internet revolution is everywhere in the world so that one can find out information related to their topic or subject matter.

OGBA, Onwuchekwa Chidinma (2013) we have already stated that there are three type of information sources i.e. documentary, non-documentary and third sources. We can collect various information through the mode of discussion, lectures, spechs, interview and naturalistic observations also. Those students who are in the final year of the law in Ekiti state University collect information through the man’s of interview and naturalistic observations. The findings of this study is confirmed with some earlier researches about information seeking behaviour of respondents who provides further findings on the information seeking behaviour of law students:

1. New findings which supports the need to provide library and information services to the users.

2. New findings which supports the need to equip law lecturers with information skills and also provides digitalized means to convey the knowledge to the students.
3. New findings which show the need for law faculty and law library to give proper guidance to the students.

4. New findings shows that the need to involve students in the drafting of strategic plan for the law library. it is also need to give training for library staff. There is another need mentioned here i. e. to provide monthly reports on every staff of the library as well as all staffs in the university. From these finding one thing consider that these findings reveals that the need of the proper guidance and strategic plans for the law library and the university library also.

Pareek A. K. and Rana, Madan S. (2013) In this study, there is survey of hundred research students of Bansthal University. It also reveals that there are less information technology based library services with the comparison of print sources by the research students. Here research scholar uses various kinds of information sources for their research work. They mostly refer books and e-journals for their research. They realize that the central library of Banasthali University plays an important role in fulfilling their research needs. After consulting their research guide, they use library for their research work. It also perceives that there is little awareness of e- resources available in library and less use of document delivery services. It finds that there is need to make a plan for effective or better utilization of library sources and services.

There are some suggestions which are received by the research scholars to provide services, such as need of advance training for research student, use of library sources have to include in research curriculum, there is need of orientation programmes or periodically training programmes by the library staff. There is also need to develop in library handling of technology as computers, network etc. They need to access resources which are available in their hostels. There is need to concentrate on proper book shelving and preservation of books in the library. There is not only need to examine the possibility future development of library but also need to make a library website.

Research scholars accept that the library provides them effective and useful services, but information seeking behavior is different from one...
discipline to another. It reveals that Banasthali University might be capable of handling the complex of information need and demands of the researchers, after implementing some recommendations of library system.

**Prakasan P.M. (2013)** With the help of information provide resources as like print and e-journals, MEDLINE, medical subject headings, web, based consumer, health information service we can gain, achieve a lot of information about drugs, drug therapy, diagnosis, clinical medicine, nursing health administration, allied health, social sciences, and basic sciences.

This is a literature review stated by Praksan P. M. about health care providers all around the world i.e. how information is essential to faculty members, general practitioners, nursing professionals, clinicians, health workers. It is noticed that the professionals are using the information sources and systems like co-workers, print and e-journals, MEDLINE, (PBRN) practice - based research network, electronic medical records (EMR) etc.

**Singh Harmanpreet (2013)** According to Harmanpreet, each and every user has to get the choice of resources to full fill their need. The study reveals that research students use library every day for their research work. Governments as well as private sectors also provide funds in a large amount for the developing of library, so it helps to develop library as well as organization. Research students get more and more benefit to collect information and to increase knowledge from the library. The users use not only books but also CD – ROM etc. It indicates that they are interested in increasing their overall knowledge. They use library books as well as online information to increase their knowledge and for their research work. They are very much satisfied with the facilities and services provided by the library.

It finds that the faculty members, research scholars, post graduate and under graduate students acquire latest information and make them up - date.

**Tahmasebi Limoni, Safie and Ghiasi, Mitra (2013)** In this study, it finds that the result is so complicated that one cannot study and research on thinking as precise explanation of humans thoughtful behaviour on the basis of available data and various practical views. The data shows that the critical thinking
does not much effect on information seeking behaviour of faculty members in Babol Islamic Azad University. They also try to improve their circumstances and critical thinking on the thematic topic which is relevant to information seeking behaviour. The critical thinking capacity helps them to systematically search information of their research problem. It also helps to put their research questions into a systematic framework and search for them on the basis of required evidence and resources.

Thus the critical thinking is necessary to everyone to improve their skills of information seeking behaviour.

**Umesha and Chandrashekara M. (2013)** Many respondents are depend on internet to collect or search information for their research work. Many libraries also provide the facility of internet for their facility of internet for their students and research scholar. While searching information, they need to depend on search engine as google. Here many times library unable to provide books, so they collect pdf format books with the help of internet. Though the information gets respondent free of cost, it is no genius sources to collect information by using internet search engine. There is no matter about information whether it is authentic or otherwise, but it is easy to search information. Therefore many researchers attract towards internet.

Now days many users use internet for e-commerce searching an shopping. It saves much and more time of respondents. But there is competition among the publishers to sell their books so that library enables to provide books to its users.

**Aderibigbe, Nurudeen A. and Emmanuel, Sunday O. (2012)** He tries to search out the using of library IT resources among the degree students of university of Agriculture, Abeokuta (UNAAB) library. He attempts the study of students, how they use library and which resources is use for their research work. It means that majority of research student are depend on the library for sources. The IT resource’s having knowledge of the availability of the IT resources the library of university. And they understand the importance of each source in their work of research, and academic activities. So the number of students use resources of library regularly, internet is another most
important source to collect information related to their work or research – project. They use internet regularly to increase the knowledge and put them update. Internet is an IT resource which is a treasure of information. But some of them are unable to use internet because they do not know how to use it properly. Thus he tries to light on the word of graduate students of university of agriculture, Abeokuta.

**Che Su Mustaffa et al. (2012)** He explains the comparative study of faculty member from different two countries and how they use internet technology for information seeking behavior with collaboration.

The study explores the friendly relationship between two countries due to their collaboration. He reveals that this study helps to the faculty members of universities as well as the discussion and implementation of computer technology for the findings of their research work. So, one can understand the ratio of input and output while comparing the previous information seeking behaviours method and contemporary. (Callan, croft and harding 1992), they are ready to take efforts and use energy in a large amount while seeking information verses the amount they earn form searching of information and due to their work. The searching and collecting of information is an individual mental capacity, here everyone has a different capacity to search information for earn accordingly.

**Duncan, Vicky (2012)** While we are in search of relevant information we can complete our assignment, while nursing students are in search of CINAHL databases information they struggle, faces so many difficulties, sometimes they frustrated to select words and phrases also. Some students also to struggle of with the concepts of keyword searching and subject heading searching.

A lot of barriers are arises in th way of seeking information and it is our ability to face that barriers otherwise we can’t seek any type of information to achieve our task or goal. Some strategies should be taught to the students how to find out information? How to face the barriers and how to achieve aim? So some tricks should be taught for identifying alternate keywords and phrases to represent concepts. Because CINAHL is the main database for
nursing students in which contains unique materials? It is very important and essential to the students to gain mastery on the database.

Nurses (students) must be able to gain quality care and evidence based information effectively. They must be able to possess the research skills to support themselves lifelong learning. While students are seeking information they must know or understand the information seeking barriers and tricks to assist undergraduate students to overcoming them to locate information, it is very important step to achieving the goal of nurses (students) truly becoming "knowledge workers."

Hossain, Arman and Islam, Shariful (2012) according to study, suppose one consider a family or an industry, or an organization or a country as a machine and education as a training by which one can operate a machine successfully. If one consider that information is like the fuel which runs the machine. It finds that everyone and everybody needs information related to their work in different way available information helps them to make rational decision and reduce level of uncertainty. However, it examines that the women at the rural area in Bangladesh highly deepen on their friends or neighbors to fulfill their daily information need.

The Government of Bangladesh has provided the facility of education for the women which help them to collect information related to their need. Majority of the women work or engage with agriculture field. They need to know timely and relevant information in order to increase the agricultural production. It suggests that the Government of Bangladesh has to provide the facility of public libraries and information centers in the rural areas which help to get information for the rural areas people. It is also need to establish libraries along with schools and colleges which provide the necessary information for the individual development of the rural women as well as their family. In order to access quick and accurate information regarding to every aspect of their lives, they need to get training how to use information and communication Technology in public libraries as well as colleges for the women of rural are.
Khan Ghalib and Bhatti Rubina. (2012) He investigates in his study that the law faculty members of the law college, University of Peshawar and its seventeen affiliated law colleges need to collect information for their research work or daily teaching for the students. It means that the study focuses on the law faculty members need for the information needs and seeking behaviour. They use various legal information sources for academic and research purposes. According to them, legal text books, general book and reference sources play a significant role for them. The majority of the law professors use and collect information in print media and in English language.

Many times, it finds that do their information seeking activities at home with the help of computer, internet and e-mail communication. Though they collect information from various sources, they are not satisfied with collection sources, resources and the facility of Information Technology in their libraries. They also complain about the outdated stock, unavailability of required materials and insufficient provision of computers as well as internet services in their law colleges libraries. They daily visit library with the point of view, new spares or borrow books. It also finds that they utilize their law college libraries collections as well as they have developed their personal collection to fulfill quick and instant information needs. And the library staff helps them while searching information; therefore they are satisfied with library staff for their co-operative nature.

Now days, there are developed many research tools and applications in the world. It helps the law faculty members to access online information for their need. That’s why legal electronic resources are considered extremely important for research work and teaching. The University Peshawar and its affiliated colleges suggest to provide the best library. They demand to provide facilities such as computer and internet facilities as well as electronic information sources and resources in the law colleges for their library. The librarians of Law College help their law faculty members for searching information, and they provide effective library collection for them.

Lamptey A. A. and Lamptey R. B. (2012) While we think about the information needs to the lecturers who are teaching in law colleges collect a
lot of information from law reports, law journals and textbooks also. There are so many law libraries which gave or provide a lot of equipment and progressive technology to offer effective and efficient services. The sir Arku Korsah law library is such type of library which provides a lot of facilities to the lecturers or users who are seeking information. Information professionals especially in Ghana can present and analyze the finding of the study which develop and introduce new library information services for lectures. Without these facilities we can’t achieve any type of information. So we have seen that there lots of universities and colleges, research institutes which provides a great deal of facilities of information seeking behaviour and information research.

Mausses L. D. (2012) He presented a theory about mass-media which plays an important role in the collection data of about patients with cancer receiving CT. for this case different peoples are used different information sources for collecting data. The results of this study aid the understanding the use of mass media by patients collect a lot of information about cancer patients.

Adesoye, Abayomi Ebenezer and Amusa, Oyintola Isiaka (2011) It finds that reference to the analyses of data uses for the study. There are students who learn as part time because they work another place. They are both male and female at the age of 20 to 59 years. They learn in the disciplines as arts, social sciences, sciences and applied sciences, and they need to collect information related to respective disciplines and other social – political issues. Furthermore, it reveals that they are quite aware of library and its resources, but they have to use their institutional libraries in order to fulfill their information need. They get the facility of library and their service very short of their expectations. There is an inadequate library facility to the respondents so that they need to depend on study packs provided by the institutions. It also finds that absence of information searching knowledge with the help of information Communication Technology which creates problem to meet their need. It means that they do not have ability to access information by using electronic resources available through the internet and to search their libraries for information sources.
Ahmad Bakeri Abu Bakar (2011) He attempts the study of Malaysia, rural women, how they need the information about seeking behaviours. He explains here, the women have need to find out the information related to food and child education. Before the access of internet, women use to get information from friends and popular magazines, as the main sources for them. But nowadays, they seek information on food and child education with the help of internet access. They use the relevant websites or homepages to get information related to their need. They also use online periodicals and magazines. It finds that in the village, there is not internet facility to access the information which they need. They wish help by authorities to overcome their problem they also wish that the library service and internet service to develop their lifestyle of rural communities.

Aqil, Mohammad & Parvez, Ahmad. (2011) He reveals that research scholars and P.G. students use internet access in their study and the service provides by their department to them. Most of the science faculty uses the internet access to get update information related to their field. The students get information from their departments, central library of university as well as the University of Computer center. They can't use internet access in the cybercafés because they haven't time to go in it. Many researchers use internet access due to keep side by side new development as well as to develop career information for communication.

The students of research as well as P.G. access online journals, moreover this work reveals that print information sources affect the use of internet based information services, because they re to satisfy on online information than print sources. They also find that the internet based information service is easy to use. If helps the students of PG and research scholar to collect information based on their subject relate. It show majority of researchers are happy with the accuracy of the internet based sources. He displays internet is a good source of information and a good channel to access online information sources of the science faculty in Aligarh Muslim University.
Lakshmi Sankari R. (2011) This paper has taken special efforts to study the information seeking behaviour of users in V.M.K.V. Engineering college of library, Salem. This study reveals several aspects about library uses. These aspects are

1. Frequent visit to the library
2. Satisfaction with the opening hours of the library.
3. User’s satisfaction from library services. Library provides the facility like the use of references sources for seeking information.

There is no change about the core of the library profession but we have seen a lot of changes are to be taken about methods and tools which are used to transfer information continuously library provide a lot of effective facilities to the users who are seeking information behaviour. as matter of fact users are very satisfied about the service at library this is the result of study. Although document delivery service is being provided on demand, the researcher pointed out that it would be very costly while the library could provide the facilities i. e. indexing, abstracting and interlibrary loan services. Through the mode of seminar and workshop training user achieve their library education and information also.

Murugan Sathivel B.O. & Allysornam S. (2011) This research work reveals that each and every doctor needs to be aware about to collect information with the help of internet whether it is useful for professional or personal developments. There are many courses for the doctors to develop their knowledge such as professional development courses, which is professional development course, which is useful for the district level officers, RTI / STI in RCH, RCH-2, emergency obstetric care and medical termination of pregnancy etc. These programs provided by the government of India for the doctors both government doctors and qualified private doctors; also provide continuing medical education programs for them. There also they arrange programs like to develop digital information literacy skills on “Information literacy for medical practitioners.”
**Murugan, C. and Balasubramani, R. (2011)** In this study, it finds a short survey of tapioca growers. There are selected 117 samples for the study. After observation, the information gets that only large size tapioca growers have the higher level of education as well as some have high school education and above. While comparing to the other aspects of tapioca cultivation, it finds that almost one fourth of the tapioca farmers have good experience in fertilizer application. Tapioca growers mostly use Radio, films, Video programmes and television to develop their farming and to increase the production of tapioca. It finds that 66.6% tapioca growers do not attend the training programmes, but large farmers attend the training programmes.

**Tahira, Muzammil et al. (2011)** They reveals in his study that in developing countries, there are various trends and ways to access online information for higher education. Lecturers of science search information not only electronic resources but also e-scholarly information resources. Both modes of online sources are very important, when one comparative analysis, it finds that there is no important difference between them. There is limitation in the study to express the some parts of the online sources.

**Onuoha, Uloma Doris & Awoniyi, Adedamola Adesola (2011)** According to Onuoha, Uloma Doris, students probably seek information to update their knowledge as well as prepare for examinations and to do assignments from their textbooks and electronic sources. But many times relevant materials are not available then they have to depend on electronic sources like internet and search engines. Students of the two universities, they are very different from each other in their information seeking behavior with respect to updating knowledge, doing assignments as well as for examination preparation.

There are some recommendations made by the universities for students. Both Babcock and Solusi University has made more efforts to update library with current as well as relevant information materials which are useful for all academic programmes offered in the University. The update and current material helps students to fulfill their needs in their research work. The universities arrange training programmes for the students in order to develop information searching skills among the students. The purpose of both
universities is that they have to require knowledge and make maximum use of library resources. They also ensure the catalogue of library whether effective and useful for students. Both universities, library staff make more efforts for students and encourage them to ask for their help while seeking for information.

Prabhavathi D. (2011) According to her, research students need for better orientation about library resources and internet services. She reveals that there is need to organize user – training workshop for using and searching skills of journals, abstracting sources and internet to support learning, teaching process as well as research. The workshops help them regarding the various information sources available that includes primary, secondary and tertiary information sources not only print but also e – format. The university library has to provide information services and need to strengthen majority of e- resources for users.

Many times using technological devices merely for copy – pasting information but it does not help the users or students to fulfill their need of information. It is need to design the methods and theory of teaching in the classroom with the help of technology. It helps for developing students searching information skill. Not only the library but also the teacher plays an important role to promote the better use of information sources, services, coordinating. In addition, it is also necessary to support students by teachers, and teachers have to offer new devices for the purpose to understand students properly in the classroom. At the end it finds that everyone needs to take technological support for the articulate understanding of the information seeking process.

Raza M. Masoom et al. (2011) In his research work he displays that many users are very happy with the library services because the researcher gets effective services form the CDRI library. There is very useful application of information technology in the library which helps to many users. Here information seeking behaviour is very different branch from various organization and library while comparing to one another. The library provides
a system which has the ability of handling the critical information, demanded from the users or researchers.

**Saleh Adam Gambo & Lasisi Fatima Ibrahim (2011)** This article focuses in his study that women live in the rural area in Nigeria with highest percentage, the majority of the women live throughout the northern part of the country. They are very hard worker and resourceful, therefore they have capacity to accept quick change and take benefit of the integrated rural development programme which organizes by Government. In order to develop the wretched condition of rural area in Nigeria, it is need to provide them proper guidance and information. So if needs to provide e-resources to get connect efficient, effective and reliable information.

**Khan Shakeel A. (2011)** In his research, he focuses on the college teachers and administrators how they seek information’s for lecture preparation. It is an important to all lecturers to search information related to their subject. It helps to improve their personal competencies and current awareness. They mostly prefer books and monograph for seeking information while they frequently use to discuss face to face with their colleagues and friends. It is a kind of an informal source of information. They generally collect information resources from their institutional library. When they have an urgent need of some information, they use their personal collection or institutional libraries. They also face major obstacles while seeking information such as lack of computer hardware and software.

He also reveals that majority of them use some atmospheric communication technologies such as radio, TV and Telephone. Mostly they do not find different parts of research journal directly for their information needs. They prefer English language for reading material, as well as they prefer print format. They use Google engine to search information.

**Haines Laura L. et al. (2010)** In his study, he focuses on that there is need to develop library because of basic science researchers and other research scholar, he reveals the libraries have to accept that they are not a unique source of information for their research scholar, it means that the users search the information in various types in many other sources rather than
library. If libraries want to develop make more important to their patrons, then they need to provide proper service to their users and be up-date with new information sources. So it is need to librarians that they have to play attention on the need of their users. And they try to fulfill their users by helping them and by providing proper service as to establish up date library which help to solve problems of their science students and users. They have to not only provide service but also demonstrate them how to use library resources.

The software of library such as they download the subject guide of their syllabus with the help of internet. Thus the assistant of library provides the facility to purchase online retouches basically useful for the students of science. They make partnership with other departments in the university and they communicate with scientists to develop their library and provide update facilities to their users. Thus, it finds that the methodology is very useful to collect information to the basic science students as well as teachers. Though, there is a lot of population or researchers, the library provides data which the help of internet

**Marouf, Laila Naif and Mumtaz A. Anwar (2010)** Marouf and Mumtaz finds out in her research work that the teachers of social science are totally depend on books and journals for teaching. They use formal sources for their teaching rather than informal. They don’t depend on internet because they think that journals and books are very important for them. Their knowledge increases with the need of conferences, subject experts and discussion with colleagues; they complete or fulfill their need. They give the highest importance to librarians and government employees.

**Niu Xi et al. (2010)** The study of Niu Xi’s focuses on the research students of five universities in America, and how they search information. There are research students from different Universities with different aspects such as natural science, engineering and medical science. The research students are almost 2,063 among the five universities. Each research student has different topics for information seeking behaviour. While seeking these students information seeking behaviour, it finds that they mostly use electronic equipments to collect information and access data from the internet. The
comparative study reveals that the users are very satisfied by using internet. But it is not clear that the research students from five universities use the same methods or techniques to collect information. They also use academic libraries because they need to search information for their research work.

Here academic library also plays and important role for them. Gradually they adopt the new concept as an electrical technology while searching information. There one finds collaborative information on novel or literature. Now days many lecturer use blogs, wiks and multimedia like “You Tube”, Whatas AP, Facebook to share their knowledge or information to their co-lecturer or pupils. So these students of five universities collect information with the help of communication information technology and they are fulfill to use of internet.

Okello-Obura C. & Olkoja-Odongo J.R. (2010) According to him the modern e-sources make able to expand knowledge and academic libraries from a traditional way to digital environment. Here electronic equipments help to many users to collect data in a different subject, so it is a highest level of development to collect information on their related topic. (Armstrong … et al, n.d) though the budget of library is very little, researcher can access needful information with help of internet with little sum, it means they use e-books online. Nowadays, the library provides new facilities to the users so that they can achieve their goal of to collect maximum information and fulfill their target. The libraries of the modern generation will provide more and more electronic sources to access information, it means that the teacher and pupil will collect vast information resources of the world with the help of new facility and there will not be a place where they are unable to collect information which is needful to them.

It is also important and needful to use e-resources in order to develop countries if enable to collect up to date information with the help of e-resources. The library gets more funds when the students use electronic resources effectively and there will be a kind of justification for a library, after using e-information resources. Thus, the result of this study explores that pupils exploit the benefits of electronic resources in their academic work.
Okoye & Ejikeme, (2010) He pointed out that the articles can access online free of charge by research students. He depicts he inadequate skills to handle the internet. There are many problems to research students about accessing internet such as irregular power supply, lack of internet facilities, and unstable financial support lack of knowledge about how to access journals in the internet to the use of open access journals by researchers.

Owolabi Kehinde Abayomi (2010) The study reveals that the students at the polytechnic know the significance of information seeking behaviour to improve their academic performance. With the help of this study, it finds that the administration of polytechnic has to provide not only more books but also more journals to the library. The students have to know also how to use information in their academic goal or performance. There is need to organize training programmes for the library staff so that they can help students while searching information and fulfill their need. It is necessary that information sources as to be well organized, classified accurately as well as properly entered in the catalogue. So it well help the students while searching information for their study.

Prabakaran T. (2010) The findings of this study is presented here that the institutions and lectures are visited frequently to the library and use various books and references for to do their task. Through reading various books in the library they update their knowledge. They can collect information through the channel / mode of mass-media like periodicals and internet. The information which is consist in the library catalogue is not effective and satisfactory as a means of information for researcher / users.

The following recommendations are mentioned about this study. The findings are very helpful to librarians and users who use the college library maximize the use of it’s resources and help them to increase ability of expense reading and intensive research. And hence library is one of the best information source to achieve information seeking behaviour.

Just we have find out library is a documentary source of information on the other hand through an electronic media like computer, internet, departmental libraries which provides proper computer infrastructure facility to
achieve fast and rapid information example are information on conferences, seminars, discussions and workshops should be collected to the members who are in the task of information seeking behaviour.

Safdar, Muhammad et al. (2010) He tells that, there are new students who use daily internet to collect information related to their areas. This modern electronic resource use for primary purposes such as communication and education, it uses at home. More research scholars prefer to take help from their friends, relatives in order to solve problems because they have no formal training, how to use it for collecting information. They are satisfied to know that internet fulfill their requirements of study. They are also very positive with the help of internet which provides services to them. But they have needed to get formal training how to collect information from internet, and they have positive opinion about the uses of internet. College administration also provides internet facility to teach and to encourage the internet users.

Singh, K.P. & Moirangthem, Easther (2010) He studies about the visually disabled people. With help of the study one can find out the development of library services. He writes about the visually disabled and expresses their needs and information seeking behavior. Here Delhi University provides library facilities some departmental libraries which are attached to the college library. The services such as infrastructure, financial, collection development and human resources provide to them. The blind people need to depend on the library to require study material. But he or she has to depend on also other private book stall to purchase material of brailed literature. So to fulfill the educational need of blind people, the library plays an important role.

But many libraries need to develop their services, because blind person is unable to find study material into the brail alphabets, therefore the libraries of many colleges as well as the libraries of government, they are developing to fulfill the needs of impaired people with the help of this study, it aware how necessary is to develop libraries for the visually challenged people.
In this study, he depicts the weakness points of information seeking behavior of B. Sc. and M. Sc. students agricultural education. With the help of observation, it reveals that the students are not properly aware about searching information or its methods and skills. The majority of students never pass any information seeking educational course in library as well as internet. So it is necessary for the students of agricultural department to establish the courses of information seeking through internet and library. It helps the students to collect data or information related to their topic or subject.

While comparing between the two universities, it finds that availability of information resources between B.S.C. students in universities of Tehran and Shiraz is higher than M. Sc students at universities of Razi Kermanshah and at Mollasani. It is very important to improve resources and services in the departments of agricultural extension and education in different Universities.

The students of LISB generally expect to get higher level of outputs which are high level students. Here, he reveals that B. Sc students LISB want to develop their studies and improve educational outputs, but M. Sc students LISB are only to see towards research point of view. It reveals that the students of B. Sc improve their educational level or academic performance where as the students of M. Sc. increase the high level of research in order to get Ph. D. or employment. But it finds that the students of B. Sc. ignore towards research and the students of M. Sc. ignore educational outputs.

There is clear effect on students while teaching their faculty members to them. It means that they understand the strategies and their changing ideas towards information seeking behavior the faculty members have to reveal their skill of using internet and collecting information for students and help them how to collect information for their homework and projects. And the other thing is that the university administrators and faculty members encourage students how to analyze factors and topics, then there will be positive results on students information seeking behavior.
Armstrong et al. (2009) Now days, there is very little budget on libraries, that’s why they have to depend on online resources such as e-books to sustain continuous access to get more advanced information. The new services are essential to accomplish the aim and to collect the largest information. The various library seekers prove that new electronic sources provide advanced information and it helps to get information quite successful.

According to him, the students and teachers can get maximum information in future with the help of libraries. The students need to use effectively electronic resources to access the result of the study reveals that they use electronic resources in their academic work. In the large amount on various subjects, but they may be misuse of electronic resources while accessing information.

Rafiq Muhammad (2009) According to him, the libraries are very useful for information seeking behaviour, they help more user centered than system centered. The libraries help the users to require information related to their study, therefore they become satisfied. In this study there are some answers of some important questions of the NTU library. The survey reveals that the librarian need to increase their library members and it helps also to take useful decision, for collections, services, and library’s physical environment, use of resources, information formats as well as web search engines and email servers. To develop effective user centered library and information services, the library organize the studies of information seeking behaviour.

Rajan S. et al. (2009) Rajan finds out in his study how semi – urban towns doctors are depend on information seeking behaviour in South India. They use textbooks, drug indexes like CIMS/ MIMS in their study. It help them to search information related to their profession. But the doctors of rural areas hardly use journals for seeking information. It means that they have also a little use of internet for information seeking.

Bhatti Rubina (2009) She reveals that different people need to seek different formation such as an information seeking for entertainment, personal
or related to their professional. So the librarian has to aware about if and keep reference books on related factors and what is demand of faculty.

It means that it is need to keep books in the library as requirement of different people, student and faculty members. The librarian has to develop library by providing important books, facilities and services. So it helps to improve and develop the best image of librarians, if they help teachers to search information which they need.

Sookhtanlo Mojtaba et al. (2009) According to him there are many factors which effect on students library information seeking behavior. While seeking information, they need to acquire some skills such as grade point average, awareness of library scientific resources, skills of library seeking, availability of library resources and the factors of library scientific resources etc. Many times students prefer to ask their teachers about the information which is need to them. It shows that the students are unable to search information without help of teachers. It means that there is not given importance to librarian also.

Therefore it is need to arrange training program for the students how to use internet and library as well as they have to know about main information seeking strategies and introduce the role of librarians for respondents.

Thanuskodi S. (2009) In his research or study, he reveals that the users use IT based library sources rather than printed sources the very few patrons use internet based services and applications to collect information for their study. According to many faculty members, now days the electronic information sources and internet facilities are very important factors for teaching and research work. That’s why, the central law college library likes to consider and use of electronic information resources like computer and internet. Many librarian employees help to users while searching information which is needful to them. Here reference books play an important role for the research scholars to find information related to their work sometimes, the users are unable to handle electronic resources, then the librarian helps to the patrons how to use electronic resources, that’s why it is need to provide sufficient equipments and technology for the library, then the librarians help to
the researcher and will provide facility to them. Thus, the present study focuses on the information needs and information seeking behavior, of the lecturers of law at the central law college, Salem. Many users use different types of essential information sources and books for teaching and research. It likes to inform that many partons perceive the library is more useful rather than other sources. But they like to discuss on their personal collected information first because they are collected as related to their research work.

**Tahir Muhammad et. al. (2008)** The study focuses on information seeking behaviour of social science teachers. They need to collect a lot of information related to their work, but they totally depend on books and old material. The major problem is that in the libraries, there is lack of books on necessary matter. So information experts have to consider it carefully and develop new libraries and information services for social science teacher. Many experts of library and information science provide important information’s, suitable resources and services to many respondents for next studies especially in Pakistan.

**Peiling Wang (2008)** The study indicates that there are any ways to collect information for the social science teacher such as conferences, discussion with subject experts and their co-teachers. According to Garvey's, the scientific journals are the formal channels to collect authentic information. But now a day they get hardly quality information for their work. Last thirty years, the most conferences arranged just like only for scientific journals and they publish it without a delay. It means that there is no quality research papers and work. But today the conferences of computer science field, they have required highest status in the same field. According to them, the guess is that many research scholars arrange conferences to motivate new research students and publish their final research work. There is need to change in some disciplines, because the new researchers write their work with the help of journals, it means that they copy the matter which is related to their research work. The result of the study also shows that, IS activities play an important role by Ellis. But in the internet environment, these activities are used as traditional as well as new ways.
Nnadozie Chuma Opara (2008)  In this study there is no difference between the information needs of lectures in the private and public Universities. She tells here that there is no significant difference between the information needs of lecturers in Nigerian private Universities and that of their colleagues in public Universities. In Nigeria, the faculty members mostly use information source. They can easily available publications and solve their problems. There are given some recommendation o improve their situation.

It is need to access journals which are very essential for faculty members. They up-date their knowledge help of journals. They need to acquire current monographs and journals in a large amount. It is need to organize periodic user education programmes for faculty members to improve their library skills and make it easier to keep up-date them in their disciplines. In this, profession needs economic empowerment in order purchase text books for teaching as well as research work.

Therefore, it is necessity to provide grants for faculty members to fulfill or complete their research work. In order to acquire general information they need to provide reference books and other materials. So, departmental libraries have to connect with main or central library. Which help faculty members for their research work. And in the central library, there is necessity of separate sections for the faculty members. So, they can use it in a proper way.

Weitzner (2007)  He mentions in his research work that, many users use misleading sources of information on the internet. Many times they never check the quality and the information whether it is good or bad which is collected on the internet. There are many problems for researchers or students while collecting information, because the information which is got by the help of internet may be wrong or inaccurate, fake and stolen literature. There are many search engines on the internet but there is about whether every search engine provide original information or not and find many times offensive as well as violent information. The respondents always need to get privacy while searching information on the internet.
Steinerova and Susol (2007) in his study, he focuses on the library respondents, students and faculty members of university. When the statistically see that both research scholars and student give mostly preference to the internet. While thinking between men and women users, her men use free internet service for their research work whereas women use always resources such as permitted and paid by the institution. They mostly give preference to use proper and goo electronic resources which are free and fast, for their work. Men uses both electronic resources and traditional sources, it means that they give equal importance to electronic resources and traditional sources, concerning with historical documents.

Here both men and women use different ways to collect information because of biological, mental and social differences between them. Both need to collect information and they use different strategies to collect information.

In this study, it finds that the women give preference to more co-operation while searching the information and men mostly prefer the use of internet to search information and individual work. Thus it finds out that there ae different ways of male and female to search information related to their work.

Shen Yi (2007) This study examines the information-seeking behavior of four social scientists. In this study, she focuses on how they collect data and which resources they use as well as what type of channels help them to collect information related to their research work. And what type of plans they have for information seeking behavior as well as which problems they face while searching information related to their scientific research work. They seek information social point of view, and they use special features to collect information.

The result reveals the relationship between information process, service and their respondents of scientific research. Here researcher makes comparison of academics of different institutions and proper communication of information systems and services. Thus the present research focuses on information seeking behavior of social point of view, and specific research work and its steps.
Prabha Chandra (2007) He focuses that many times, readers are unable to understand the conclusion of the study of information seeking behavior. And they are not satisfied in the context of separating from the information seeking process. There are some actors which help to users to search in formation. First of they should have purpose to search information as well as characteristics of thee information need. External and internal variables are most important for them to search information related to their research work.

They have to know external variables such as setting, context, and situation. There are some internal variables such as motivation and searching skills help them while seeking information.

Okafor V. N. Ukwoma S.C. (2007) He describes that with the help of computer facilities, one can use (EIS) electronic information source. It helps to access information with the related work. Here World Wide Web and digital libraries help the students to use online library catalogues to collect information. It is extremely useful in education, research, teaching and learning process. It is also useful for faculty member of university to organize research and training programme. The teachers and the pupils use effectively electronic information sources to access digital information. With the help of internet, they develop new understanding in the field of learning and teaching. It also helps to solve problems, to make decisions and to develop new ideas which support learning process.

Hinson et. al (2007) He examines that seventy eight percent lawyers are to agree that the internet improves their efficiency. Eighty eight percent lawyers indicate that the internet is useful as a communication tool; however seventy six percent of the lawyers consider that the internet plays an important role to search useful information.

Jorosi Boemo Nlayidzi (2006) According to him the environment of business is very competitive in these days. Many business firms are facing the problems of surviving and prospering of their business. The seniors need to take large decisions on the source and especially CEO’s need to get information of their business environment, famous for the provider of
resources and market condition. It helps for decision making activities. ‘Small and medium sized enterprises’ gets a very few attention from research students in Botswana. The study helps to collect data and information seeking behaviors of SME of managers in Botswana. The environment of Botswana helps to develop country, so environment of every country affects on its development. He makes the following conclusion of his study as, SME managers’ provide very important information with rate about customer, competition and economic. They also spend more and more time in order to search information. They spend their time to seek customer, competition and economic information. They use not only personal but also impersonal sources while collections information. Work they largely deepen on internet to access information related to their work. They use this information to make an important and useful decision. The present information will help for future research.

Mulla, K. R., & Chandrashekara, M. (2006) In his research, he reveals that is need to organize training programmer for teachers and lecturers, because they have to know how to use the electronic resources effectively. Here e- journals and e- books provide latest information to them, that’s why they have to know how to use it. So it is need to fit computers in the library for them. The library gets more funds to obtain electronic material. Th electronic equipments play an important role in all fields of human life. The research work focuses on the fulfillment of faculty members because there is speed of availability and one easily access it. In the academic environment, this study helps the librarian to know the importance of electronic resources.

Vignau and Quesada (2006) they demand computers with internet to access information such as to access e-books, full – text e- journals and online bibliographic data. They also depend on academic libraries for their research work. The available electronic resources help to access useful information and at the same time they try to solve present subject matters and challenges.

Wessel, Charles B. (2006) Those libraries which are entering in training and marketing to give their services to the unique population. This is
one of the findings or brief survey an academic medical department. While seeking information about clinical researches clinical research coordinators, demonstrators, play an important role. Library is such place all of us can gain a lot of information. It is one of the effective documentary sources of information seeking behaviour. So lot of reader follows the path for information seeking and tried to achieve their aim. Researchers who are in clinical department also follow, use library as a channel / mode of seeking information behaviour.

**Dee, Cheryl (2005)** human and print resources are one of the most important resources which has given first preference by the students who are studying nursing and clinical nurses they also give preference to an electronic resources because it’s result is more effective than any other resources, they are very easy to use and provide immediate about health information. These nursing student had access to many high quality health clinical nurses usually had limited access to health information and put it inform of their expertise, colleagues and the book on their patient.

Nursing students and clinical nurses wants enhancement about their information seeking skill. It means they try to achieve information seeking skill which is very beneficial for development. The nursing student possess anew and advanced searching internet searching as a result they wanted more training in the use of unique information and in this process unique database features are used such as search limiters and subject heading.

**Thatcher, A., James  J & Todd, A. (2005)** In his study, he focuses on a laboratory setting, he reveals that the participants have to avoid to use of bookmarks and history lists unusual home pages which are not a appropriate to a person. So this type of setting prevents to participants for using such type of information seeking strategies. The researcher discourages to search information on like illegal website as well as pornography. It is also finds that researchers some times change the purpose to collect information they seek information with a directed task and find general information. Many times there is no necessary to use www for seeking information one remember that
he / she has to type title on keyboard related to their situation or subject and matter.

Though there are limitation to search information, the results suggest that the method of search information is dependent on type of search task that they attempt as well as on whether the task define by the research scholar. www play an important role while searching or in demining the information or seeking strategies with their aspects and subject knowledge. Many times participants do their tasks by using likely web addresses or link addresses for the general browsing task.

Patitungkho Kingkaew and Deshpande Neela J. (2005) In his study, he reveals that library staff and assistant librarians use their most of time to help respondents or users while searching information behavior in Rajabhat University in Bangkok. In order to get or find different type of information, the reference librarians help research students to improve their skills in information seeking behavior. Not only reference librarians but also librarians assist users while learning the use of OPAC , search engine, e-mail and CD-ROM techniques. They also inform them various websites and various networks. So library has to provide sufficient facilities such as internet, laser printers, scanners, fax machine, telephone etc. for the users.

Many times, user face many problems while using library, it means that they are unable to use it property. So it is need to arrange training program for them. They have to know the basic introduction to library services and tools for searching information resources. They have to know also how to use internet, online and CD-ROM databases, using electronic journals as well as introducing reference books. They have to know about audio and video materials as well as introduce of appropriate indexes and abstracts. It means that it is need to use various websites as well as technology inorder to get information. It is most important to alert librarian for the sake of new adaptations and new technologies. So it helps the users to search and collect more and more information related to their research work.
Korobili, Tilikidou & Delistarou (2005) They reveal that 68.8 percent of the researchers prefer to use online journals and 51.2 percent prefer to use printed journals. But in Nigeria, it finds that his access of internet is low such as those of Ureighe, Oroke and Ekruyota (2006) and Ajuwa (2003). These factors may be accountable for the low use of open access journals by researchers.

Kingrey, Kelly Patricia (2005) In this study, he focuses that there is the narrow scope and methodology of this study and the research suggests a lack of attention to theory and research on the part of practical journals of library science in one key paradigm of the discipline and the ways in which individuals experience and accomplish the search for knowledge. It finds that the research has to do more than demonstrate facts or figures but it discusses what differences this data makes in the larger scheme of things. The following questions help for research work. Such as; what does understand information theory? how to run a library? and why do journals support the actual work of libraries?

According to him one common sentiment hears of them in the library field is that graduate school is for learning theory and library jobs are for learning practice. And without understand the appreciation for theory, one find it very difficult to understand, accept or enact principles of practice.

Thus new ideas and connections emerge to develop and change the theories in the area of information seeking progress.

Bennet NL, et al. (2005) This research surveys that the doctors use largely computers in order to search information. The doctors from healthy and industrial countries they daily use computers in a greater way. Almost eighty percent of doctors use computers to access the electronic journals, downloadable journals or books, medical textbooks and the programs of patient tracking.

Asemi A. (2005) He surveys that the internet users need to get training, because it helps to acquire useful information. He finds that there are many
internet users who need to use to collect information related their work at Isfahan University of medical sciences (MUI) in Iran.

**Angela Wiler (2004)** As a matter of fact seeking information subjective process, those students who approach with prior knowledge, strongly stated their regards and make difference at the level of cognitive development. There are some obstacles which come in the way of information seeking as like individual’s personal preconceptions, issues of time and levels of difficulty in achieving information. No any other individual achieve accurate information, there are some issues or problems, by removing there problems they try to achieve clear information which is accurate only nature’s information is accurate. The students who collect information may be true or false. The information which is collected through the various Medias should be verified. Although the amount of available research is enormous it should be clear and lucid as well as qualitative. Information should be clear, lucid and qualitative

At the first stage of information seeking process a student’s vision should be clear, what is his style to search information? And what are his habits we must consider. Small changes in the presenting information shown, Such as altering from pure lecture to incorporate hands on actions, will help to hold scholar notice and add to information preservation.

**IKOJA-ODONGO ROBERT (2004)** He focuses that, information is able to provide more successfully to the Informal Sector. Here illiteracy is main issue among the people. So it is need to reduce or eliminate illiteracy entirely. There is need to arrange adult education activities and programs in order to reduce illiteracy. It is need to support special units such as without depending government, one arrange private literacy activities for adult and achieve the goal of reducing illiteracy. Radio plays an effective role to adult rather than public library in the society.

In the business or trade, entrepreneurs’ need to know specific information related to their trade. Government also provides information centers for business man. These information centers play an important role for the business man because it provides appropriate information related to their business. In order to develop business, entrepreneurs need to collect
information related to their trade from various publication of information in other local languages. So it suggests that Government has to work hand in hand with the private sector and NGOs to make capable for provision of information services to the informal sector.

He also reveals that entrepreneur accept the popular oral information service which is easily available. Now days there is competition among the businesses for selling their products, so push and pull technology increasing to provide release of especially audio - visual information products and services? It is also need to explore this system among the informal sector entrepreneurs. It will provide indigenous knowledge which is worthwhile to a business person.

Cogdill Keith W.,(2003) This research work reveals that there are lot of questions related to information and its need to collect information in a primary way. It is a triangle study of NPs as the study of doctors, if reveals that they directly observe the patient’s condition and try to collect information. There is comparison between primary care study of doctors and previous research. Though NPs realize that they need little information, if gets a lot of information of their needs. In this study finds that the information needs to their colleagues who creates in masters programs and there is completion between level of education.

It is need to use evidence bused information resources and understanding of how to use them properly. In this study, it gives the importance of NPs to collect data which is related to treatment of drug therapy and formulate diagnoses. It also reveals that, the educational programs inspire the doctors and research students collect information which related to diagnosis. With the help of discussion, educational programs one use information resources to believe form clinical research and to help diagnostic decisions.

Kathleen Ramos (2003) Those who are residential and faculty family physicians have so many clinical questions but rarely they find out their questions answer with the help of evidence-based information sources. The curriculum of evidence-based medicine gives a receipt for the time limitations
of the clinical setting, to help physicians become familiar with convenient and available evidence-based sources that gives very fast answers and expands very systematic methods which resolves unanswered and difficult questions answers.

**Murphy, Janet (2003)** One thing is clear that the previous research which is interdisciplinary researchers particularly in the sciences, have developed unique information – gathering habits to search out relevant research. The effective result of this research are shown here i.e. an individual possess can achieve a significant command to increase scientific background, vocabulary and various subject research tools. Some participants stated their opinion here about information seeking i.e. so much time is spent on seeking information.

As a result many respondents are spent their time on seeking information in their off-hours. So many researchers are depend upon library to collect information to complete their researches. So there we find that so many burdens are come on the mind of researches regarding time, effective literature searching.

**Tenopir (2003)** He reveals that there is a major survey of literature which is almost two hundred studies on the use of electronic resources. It published between 1995 and 2003, analyzed that electronic sources used in large amount by students and teachers in various college and university.

**Sturges (2002)** He reveals that it is unable to count the network of Internet where is linked. There are many internet tools which are useful for communication and exchange of information, the tools are such as email, Usenet, bulletin boards, forums as well as mobile technology.

**Withmire Ethelene (2002)** The present study reveals that the Biglan model provides an important framework to undergraduates’ in order to examine their ISB and it’s implication for the provision of academic library services. But such types of library services sometimes favor a group of users and detriment of other group of users,
According to the Biglan model library, the library and information science discipline connect with the different types of services in order to implicate.

**Gorman (2001)** He surveys that each and every center has their need to seek information. The doctors of USA use physicians’ Desk Reference. In order to get immediate reference they commonly use it.

**Kuhlthau & Tama (2001)** In their study, they explore the information search process of lawyers. They reveal that the respondents frequently engage in complex tasks and to fulfill their task, they use printed texts our computer databases primarily.

**Wilkinson (2001)** He studies what the lawyers use information sources in problem solving. It finds that they generally prefer informal sources which seeking information.

**Zawawi S., and Majid S, (2001)** In his research work, he tells about biomedical scientist and how they depend on journal articles. They prefer journal articles as the most important information source for their work. According to Okello-Obura C. “The advanced technologies are very useful to expand knowledge. And help to run educational libraries from a conventional atmosphere to a digital.” The larger information provides to larger numbers of users with the help of electronic resources, such they develop their research on a superior stage.

**Otike (2000)** He examines the legal information needs of lawyer in Kenya. He reveals that the client needs a lawyer, and lawyer need to collect information which is helpful for the client, therefore the lawyers seek assistance in the high court library or collections in other law firms.

**Tiratel Susana Romanos de (2000)** In the developing countries like Argentina we have seen that very advanced systems and services about information seeking. There is no similarity in the working environments, there is a common characteristics and social science researcher alike how they achieve information their preferences and need of information. One thing tried to mention here this characteristic focused on the current trend in the users
study in this connection the following questions are arises – is it correct to seek profound differences between individuals because of their association with another group? Information seeking behaviour plays an important role to forms the part of very large process through which information is considered as a social construction which are created by the interactions of the individuals and messages also.

**Oduwole, A.A. (1999)** He reveals that a medicals library plays an important role to help doctors to take decisions about the treatment of patients. The medical officers examine the medical information sources in two Nigerian University. It finds also that the doctors highly depend on the journals, which help them to provide information related to their areas.

**Wilson, T.D. (1999)** The various models of information seeking behaviour and information searching presents various aspects of the overall problems: they are sufficient rather than completing the key question are revealed here for research they are:

1) To what extent are the different models complete, for the complication information they must tried to seek information model, for what extent models of information seek?

2) In what ways models sufficient, and how analysis the knowledge.

3) On which path / channel way of information search information? Which aids should be required to search information?

In the research process the last question might be best focused which takes a view of information searching as a complex process.

**Branscomb (1998)** There are enlisted some of the most popular search engines such as achoo Health care online, Dogpile, Google, Health on the net foundation etc. these are very popular among the librarians and students. In USA, college students are internet users in a large amount, they use internet for communication, recreation, and file sharing.

**Prasad H.N. (1998)** He reveals that there are many resources which help to collect information. They are such as unpublished convention papers,
research proposals, policy rule and plan information and project reports. They are very popular among the research students which help to collect important information.

Clougherty, et al., (1998) He carries out an information the undergraduate students from University of Iowa are very satisfied, because they get useful information from the library of university. He indicates that almost seventy percent users use the library for the purpose of study. There, the staff of library helps them by providing photocopier and library books for a certain period.

Adedibu L. & Adio G. (1997) He find out that medical scholars needs to collect information from the library due to their study. Sethi (1990), he finds out that many professors of social science and research students in Indian University depend on the university library for information seeking behaviour. They prefer reference sources to get their information needs such as journals, books and government documents etc.

Otike (1997) He reveals in his study that the common people or general public need the legal information. He concludes that the provisional of legal information for the public of third world is to remain unsearching.

Reddy Hari K. (1997) This study observe that users have awareness of how to use information sources to seek information as for as their age, experience, professional, educational and managerial status is concerned. A lot of persons are unknown to be aware of sources and knowledge of search techniques. What are the causes of their awareness? They are the poor shape of library and information units, lack of technical applications, financial problems and other obstacles obviously are causes of the lack user's awareness. On the other hand, psychologists are found to present themselves with better awareness of sources and knowledge of search techniques.

This study finds out to examine the interpersonal and other kinds of informer / non- documentary sources of information which is depended upon. Through the mode of oral and written communication, group meetings,
conferences we can collect a lot of information. However formal communication is very effective to achieve information.

It is realized that all the special schools should be provide with appropriate resources and collection materials in the field of disabilities to meet informational needs.

**Bartle and Walton, (1996)** They display that most research scholars are unwilling to use of open access journals. There are many reasons that they are not aware of what is available to them. This is one of the major reasons.

**Hainsworth (1992)** He depicts that the judges do not trust on the information where people convict of a crime can appeal against their conviction. Judges have particular needs with regards to organizing information which are not to connect by any system. He also traces on hard copy and their information seeking which affects by time.

**Premsmat (1990)** This research work focuses on the three types of information such as to identify up-to-date information, to acquire relevant studies and data, to develop research topics among the academic medical scientists in Thailand.

**Pelzer, L.N., & Leysen, J.M. (1988)** in his research, he reveals that the students of veterinary medical need to collect information related to their academic curriculum. So they find out the current information from the library. They also use more contents or indexes and abstracts of different clinical curriculums for their study.

**Joshi P. A. and Nikose S. M.** Library play a vital role in the collection of data or information. It provides a lot of facilities to the researches who seeks informed behaviour and research information. Users are satisfied with library collection and services but somebody wants training in the use of online information. Although library provides a document delivery service on their demand, the researchers/users pointed out that it would be very costly service taken – indexing, abstracting and interlibrary loan service as well. User’s education is depend upon library using and it should be carry out by arranging seminars and workshop trainings.
**Folorungho Abubakar L.** The study reveals that the several legislators want to achieve information on legislative matters and they try to seek information from their colleagues. While they achieve information about legislative matters they give first preference to informal information sources as well as library.

1. The librarian should know the need of individual legislator and he should try to fulfil their information needs in other words he should provide library facilities to the individual legislator by collecting members profile.

2. He should be encouraged to the legislator to use the library facilities for information seeking. He should give a proper guidance to the legislators through workshops seminars, production of handbills and leaflets etc.

3. State government provide adequate funds to the library and hence library provides a lot of comfortable facilities / services to the users / legislators.

**Ge Xuemei** This study focused on electronic information sources and it's significant. These information sources plays vital role to collect information. We can achieve any type of information by suing internet information technology as the web, databases and e- journals are ranked first online catalogs and e-mail second and third level. Those persons who researches information in social sciences use electronic information resources more often than humanities researchers.

   Doctoral students are frequently use electronic resources to achieve information than their senior colleagues. In the modern age we find that all of us are using such type of sources to seek information. These information sources are available anytime and anywhere.

   In the present age a lot of researchers are always uses an electronic information sources to seek information behaviour and information search also. These sources we can collect accurate, and very quick information and hence a lot of colleges, universities. Research institutes follows this mode at information resources.
Nesset Valerie  This study show that or focused on the technological advancements. This study takes place in the elementary school classroom for the purpose research and collect information. At this stage information is collected with the help of electronic sources especially the internet collecting information process is very rapid during the first 11 to 12 year of childhood. There is difference between the grade three students and older students in elementary schools about seeking information behaviour. One thing realized from this study that there is need to develop an information search model especially grade three children. Constructive method of learning is appropriate to the young students to seeking information behaviour.