

## **PRESENT STATUS OF MANAGEMENT & E RESOURCES IN THREE CENTRAL UNIVERSITY LIBRARIES OF INDIA - AN EVALUATIVE STUDY.**

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### **Abstract**

This study is based on the present status of management & E-resources in three Central University Libraries of India. The primary data was collected through a structured questionnaire from three Central University Libraries. The present study in this paper has used Sample Survey Methodology for collecting data and analysis to get proper conclusion and needful suggestions. The work flows of all spheres of E-resources and services are quite different comparatively in Banaras Hindu University, Varanasi; Baba Bhimrao Ambedkar Central University, Lucknow and Visvabharati Central University, Shantiniketan. This study reveals that proper management of library using E- resources in present digital scenario is very necessary to meet their information requirement and global needs. Found that guidance from the library staff and colleagues are more beneficial learning method. E-books, E-journals, E newspapers, online data bases, and internet are the most popular sources of information for the E- resource users and students. This paper evaluates all areas of status of E-resource managing systems in multiple levels. The evaluative study reveals major findings with unavoidable observations and important suggestions in this paper.

**Key Words:** Central University Libraries, BHU-Varanasi, BBA Central University- Lucknow, Visvabharti University, E- resources, ICT, Internet, Academic Library Management.

### **Introduction:**

Use of information technology has marked tremendous impact overall functions and services catered by Central University Libraries and their information professionals. Today, E-resources are now emerging as a vital source of information for all recent and ancient thoughts and ideas coming into existence

in whatever area in research. Emergence of innovative electronic resources and their useful services has provided a platform to display user's skills globally. An information and communication technology based infrastructure provides a broad platform for exchanging data, coordinating activities, saving information, emerging private and public sector, supporting globalization commerce, all based on powerful computing and network technology ( Liao, 2003 )<sup>1</sup>. The services of Central University Libraries are moving gradually into the network based environment and websites have become an important service exist in many forms such as Emails, journals articles, data bases, films, web forms, e-books, CD's, videos, audio visual products, online publishing, public domain and commercial online data bases through internet and other propriety databases (Ghule, 2014)<sup>2</sup>. Librarians now face difficulty and complicity challenges due to new trends in information access. Although in the present scenario, the professionals of this Central University Libraries have to change themselves as the information profession is being changed but the proper training and opportunities are not available as well as demanding the skills of electronic resources. Shiv Nandan Pandey and. Mangay Ram (2015)<sup>3</sup> have described a status of E-resources and services with special reference of Uttarakhand based University libraries. Although, all the universities and academic institutions have a common purpose i.e. to provide best services to its users according to their present need. Harpreet Kaur (2013)<sup>4</sup> and Rose B Okiy (2010)<sup>5</sup> narrates adoption of ICT in academic library system revealing problems and prospects and gives of detailed analytical approach of studying impact of ICT in academic libraries of Nigeria globally.

### **Scope of the study and Limitation**

The scope of the present study confines to three Central University Libraries activities, management, status of E-resources and services. The effective use of electronic resources, all Central Universities are providing adequate ICT infrastructure and impart skills and knowledge to their users at present while they are getting more financial support than any other universities of India comparatively. The users might have acquired the knowledge and skills on their own or through other means and channels. It is to understand this aspect and is the main purpose of this study. The need is to know the extent of knowledge and skills among the users and to provide necessary training to fill up the gaps if needed. The information about electronic resources is basically based on work done by research scholar's questionnaires data and present research scholar's effort. Shiv Nandan Pandey (2015)<sup>6</sup> reveals that objectives should be always

concrete and topic related. The present objectives of the study are confined only to three Central University libraries of India. Keeping in view of these factors, the present study has been undertaken.

### **Review of Literature**

The research scholar reviews only those studies which are related to the present study. Indeed, the most important early state in any research is the conducting of literature review that is reviewing published research related to the aims and objectives of the research area. Tripathi and Shukla (2014)<sup>7</sup> in their paper titled: "Management of E-resources in academic libraries" discussed academic libraries are facing problems of funds and exponential rise in journal prices. Some steps to be taken in order to procure and excess scholarly resources to research scholars. Das, Sahu and Mohapatra in their paper titled "Use of UGC- Infonet consortium by research scholars in university of Orissa: A study" discussed that the E-journals are used maximum for reading articles and research purpose as compared to others.

Digital requirement of users in Central University libraries of India are rapidly moving their reading habits and UGC are giving huge financial support to all Central University libraries in crores for developing, upgrading and establishing all E-resources and services, infrastructural facilities and training. Users are getting boost their skill and knowledge according to their present and globally digital environment. The prime objective of the library is pooling information resources and information related framework and sharing them. In this process, many libraries have rethought their traditional techniques and services to overcome deficiencies through E-resources and computerization. Sinha and Singh (2015)<sup>8</sup> indicates in his book that how well a service is rendered depends on how well activities are carried out by its employees and this in turn depends on what and how much they know. The basic concept of participating management is to give equal opportunity to everyone to learn new things with more responsible attitude towards achieving the goals of the organization. The flexibility of E-resources, Services and their workforce is new trend offering great help to library manager, if such poor force is educative and effectively trained to meet the changing needs of users.

According to the observations and study of Das (2000)<sup>9</sup>, Sarvanan (2007)<sup>10</sup>, Prabhakar (2012)<sup>11</sup>, Chaudhary (2009)<sup>12</sup>, Vyas (1997)<sup>13</sup>, Chauhan (2004)<sup>14</sup>, Pandey (1999)<sup>15</sup> and Mall (2013)<sup>16</sup>, libraries are actively involved in information analysis and consolidation with information packaging activities. No any Central

University should not recognize as a worthy centre of education without using any electronic resources and services for their users. Nowadays, a different kind of electronic resources and hyper text have emerged as powerful educational tool with the increasing influence of E-resources in modernizing the whole activities of libraries. Utilization of electronic resources in digital environment is also feeling needful to convert in digital environment and maximum uses of E-resources to organize and managing the Central University libraries.

Nagesh, and Asundi (2014)<sup>17</sup> reviewed in their article “Knowledge, skills and the problems in use of EIR among users...” that the ability of Central Universities to use electronics resources among academics, and the satisfaction level of users with these resources are the critical issues to this review. The work is based on the survey among three Central Universities in India by research scholars to emphasize the use of electronic resources. Deepa (2009)<sup>18</sup> and S.N. Pandey (2015)<sup>19</sup> expressed in their study that Universities are spending lakhs of money but it is observed that no any unified digital environment is present as per the observation. Here, the infrastructure needs more improvement and innovation as per norms of UGC. The observational and analytical efforts have been made to study and conclude the quick need of users of different ways of E-resources and services of three Central University Libraries.

Thirunavukkarsu and Murugan(2013)<sup>20</sup> have studied in university of Coimbtore and Hadagali, Kumbar, Nelogal and Bachalpur (2012)<sup>21</sup> have also made a study on use of E-resources by the research scholars in Karnataka university, Dharwad about problems of internet speed. They have found in their study in that universities, slow access speed, download problems, too much information is retrieved and lack of training needed that include; filtering effectively for online information and locating high quality information resources. The problems faced by these universities users are same to same maximum in surveyed three Central Universities also found.

#### **Objectives of the study:**

1. To identify the problems faced by the Central University Library professionals / personal in management of electronic information resources and services.
2. To identify their awareness about internet and its tools in Central University Libraries.
3. To find out the draw backs in using IT for academic and research purpose.

4. To find out the awareness and seriousness for providing the required information about E-resources and services in Central University Libraries.
5. To find out E-resources and most used E-resource impact, learning method, impact of E- resources.
6. To know about use and acceptance of E-resources, satisfaction, user preferences, determining the frequency of E-resources using, usefulness and time spent.
7. To find out the training needs of users in accessing E-resources and to know the problem faced by library staff and users while browsing, evaluating etc. in two Central University Libraries.
8. To identify the availability of information regarding public awareness for preservation and digitalization and ICT.
9. To find out the available infrastructure of Electronic resources and services of three Central University Libraries.
10. Digital India initiative format demanded by UGC from observed Central University Libraries.
11. To suggest various improvement measures to increase the effective use of information technology.

**Research Methodology:**

In the present study the questionnaire method has been adopted to collect primary data from the three respondents. A well structured questionnaire covering all the facets of the topic has been prepared and distributed to Banaras Hindu University, Varanasi; Baba Bhimrao Ambedkar Central University, Lucknow and Viswabharati Central University, Shantiniketan. Although, there are different methods available for collecting the data to achieve the objectives but this methodology has been adopted to know objected problem. Here, the Scope of research methodology is wider than that of any research methods. The reasonable answers have been collected with the help of analyzing data collected by research scholar. We have tried to get conclusion through scientific and logical ways.

## Data Analysis and interpretation:

**Table -1**  
**Distribution of Questionnaires & Response of two Central University Libraries.**

S.										
1	Banaras Hindu University, Varanasi	1917	Academic	Central Govt.	Yes	Individual	Yes	Yes individually	Prof. In-charge H.N. Prasad	/Univ.Lib.
2	Baba Bhimrao Ambedkar Central University, Lucknow.	1997	Academic	Central Govt.	Yes	Yes	Yes	Yes, both	Prof. In-charge K.L Mahawar	
3	Visvabharati Central University, Shantiniketan	1921	Academic	Central Govt.	Yes	Yes	Yes	Yes individually	Prof. In-charge N. Banerjee	

Under the aegis of descriptive research methodology, a survey was conducted through distributing structured questionnaires to more than 22 Central University libraries of India for collecting information regarding the use of E-resources, by speed post first of all. But, no any Central University has given the answer till today by post. Lastly, I have approached personally to fill the questionnaire, so that I can observe and analysis of different library activities and status of E- resources and services problems faced by the users while using E-resources and benefits of electronic resources with all objectives. The response of the Universities for fulfilling the questionnaires individually was very co- operative and appreciable. It's clear that individual efforts are demanding to fill the questionnaire rather than by post. In this table, there are three Central Universities run by Central Govt. to get proper findings in a scientific way. It is observed that among these three Central Universities, they have the wonderful similarity in the field of not fulfilling the permanent post of University Librarian. It is a great professional lacuna at higher level of Central Universities controlling authority. It is also observed that the post of University Librarians is vacant for a long period of time to the above mentioned Central University Libraries.

**Table No-2**  
**Frequency of using Electronic resources and no of users used Electronic resources**

S.No.	Name of Universities	Library Frequency of Users												
		No. of users	Student of PG	Research Sch.	Faculty member	Student	Daily users	2-3 times in	Weekly	Fort	Monthly	Occasionally		
1	Banaras Hindu University, Varanasi	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2	Baba Bhimrao Ambedkar Central University, Lucknow	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea	No idea
3	Visvabharati Central University, Shantiniketan	Ave. 5000	Mostly using	Regular & Mostly using	Always	Regular	Yes	NM	NM	NM	NM	NM	NM	Regularly

**Abbreviations:**

NM- Not mentioned, NA- Not applicable, Ave-Average

**Table No-2:** gives the details about the using E-resources, Central Universities at present play an important role for every category of user to seek their information need and meet their demand. But, very astonishing that BHU has not filled up any answers of the given questions of the above table. Whereas, BBAU has mentioned that they don't have any idea about number of E-resource users and library frequency in their library. Visvabharati has given correct answers in maximum questions seriously according to the demand of questionnaire. Among three Central Universities in India, they have many differences in giving the answers of this table. Although, activities and response of all the above universities, in other way is very co operative and appreciable but their way of answering is different. It shows a trend of avoiding giving the answers of some questions without disclosing some hidden matters of Library frequency of users with a special mention of BBAU. It is clear that BBAU, Lucknow's answer which shows either they are not serious or reluctant to give the answers. Besides, in Visvabharati maximum number of PG students and research scholars are mostly using E-resources in a regular way daily as compared to BHU and BBAU.

**Table No-3**  
**Purpose of using Electronic resources**

S.No.	Name of Universities	Primary research purpose	Study Response	Update subject knowledge	conference	assignment	purpose	publishing article	Current awareness	SDI/others
1	Banaras Hindu University, Varanasi	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NM
2	Baba Bhinrao Ambedkar Central University, Lucknow	Not for library	Not for library	Not for library	Not for library	Not for library	Not for library	Not for library	Not for library	Not for library
3	Visvabharati Central University, Shantiniketan	Both	Sure	Sure, yes	Yes	Yes	Yes	Yes	Yes	Yes

**Table-3:** reveals that there are different purposes among users in using E- resources. Respondents were asked about their purpose to access and used the E-resources. In this question many purposes were listed, out of which most important are astonishing that BHU and Visvabharati has accepted all level of purpose of using Electronic resources while BBAU also giving answers ' Not for library'. Perhaps, they are not serious again to give the answers related to this question. It shows some hidden matters which they don't want to express in written. BHU and Visvabharati have emphasized to keep themselves up to date for career development and subject knowledge. It shows that the present era is demanding most using E-resource area of different purposes but the career advancement and thorough study of subjects are being done through E-resources due to globalization and fast availability.

**Table No-4**  
**Users Level awareness about Using E-Resources**

S.No.	Name of University	Graduation level Awareness	Awareness	Level Awareness	official staff Awareness	teaching Level Awareness	_outside users Awareness	School college level students Awareness
1	Banaras Hindu University, Varanasi	NA	NA	NA	NA	NA	NA	NA
2	Baba Bhimrao Ambedkar Central University, Lucknow	Answer has given as not for librarian						
3	Visvabharati Central University, Shantimiketan	NIM	YES	YES	YES	Rarely	Frequently	Never

**Table- 4:** It is evident from table four that the BHU and BBAU are completely unaware about most of the E-resource user's awareness but, how it is possible such answers from these dignified Central University Libraries. Maximum awareness was found only in PG level, research level and staff level in Visvabharati among users while in BBAU answers have given as 'not for library'. Here the BBAU thinking is very astonishing because they are not presenting the awareness. It means really they are not serious of using E-resources.

**Table No-5**  
**Users spend time on E-resources**

S.No.	Name of University	Graduation level	PG. level	M. Phil. Ph. D. Level	Teaching official staff	Non teaching level	School level students
1	Banaras Hindu University, Varanasi	NA	NA	NA	NA	NA	NA
2	Baba Bhimrao Ambedkar Central University, Lucknow	Answer has given as not for librarian					
3	Visvabharati Central University, Shaantipurketan	More than two hours	More than two hours	More than two hours	More than two hours	Frequently	NA

**Table-5:** from the above table five, it shows that the majority of university users use the E-resources more than two hours in Visvabharati while BHU and BBAU has not given any answers about this table, It shows that they don't want to disclose the using of timing and duration of their users using E-resources a day.

**Table No-6**  
**Learning method to use Electronic resources and satisfaction level with uses of Electronic resources**

S.No.	Name of universities	Trial & Error	From Colleagues	Guidance from Lib. Staff	From Friends	Courses Offered by the Univ.	Fully satisfied	Satisfied	Not satisfied	No comments for this
1	Banaras Hindu University, Varanasi.	NM	YES	YES	NM	NM	NM	YES	NM	NM
2	Baba Bhimrao Ambedkar Central University, Lucknow	NM	NM	YES	NM	NM	Not for Librarian	Not for Librarian	Not for Librarian	Not for Librarian
3	Visvabharati Central University, Shantiniketan	NM	NM	YES	NM	YES	YES	NM	NM	NM

**Table-6:** the learning method and satisfaction level used of E-resources BBAU reveals that they don't have any importance to give this type of question- answer. Therefore, they have written 'not for librarian'. In Visvabharati highlights that status of satisfaction level enthusiastically mentioned fully satisfied as well as guidance level and courses offered by the university are up to the mark.

Table No:-7  
Types of Electronic resources used

	Resource	Journal	ROM	Database	newspaper	dictionary	Encyclopedia
1	Banaras Hindu University, Varanasi	YES	NM	YES	YES	YES	NM
2	Baba Bhimrao Ambedkar Central University, Lucknow	YES	NM	YES	YES	NM	NM
3	Visvabharati Central University, Shantiniketan	YES	NM	YES	On line newspaper	NM	Wikipedia

**Table-7:** reveals over all majorities of users used all types of Electronic resources except CD ROM, though all universities are using E- journals, online databases and E- newspapers but Visvabharati has only mentioned that they use Wikipedia also without giving any priority to E-dictionary and Encyclopedia. This implied that users of all above universities give preference of forms of different E- information to satiate their keen interest on research and teaching at present. It also shows that all the universities are using different types of electronic resources according to their users need and wider range of university phenomenon.

**Table No:-8**  
**Problem faced while using Electronic resources by users**

S.No.	Name of Universities	Lack of training problem	Technical problem	Internet access prob.	Slow down loading prob.	Finding irrelevant information	Non co operative attitude of staff	Lack of printer prob.
1	Banaras Hindu University, Varanasi	NM	NM	NM	NM	YES	NM	YES
2	Baba Bhimrao Ambedkar Central University, Lucknow	No	Sometimes	YES	YES	NM	NM	NM
3	Visvabharati Central University, Shantiniketan	NM	NM	NM	NM	YES	Students are much satisfied	NM

**Table-8** indicates using E-resources, it has been found that BHU is facing difficulty while accessing information from internet as well as finding irrelevant information. Besides, they have admitted that they are facing problems due to lack of printers. BBAU has filled the questionnaire of this column and said very clearly that they have some technical problems of internet access, slow down loading etc. It shows that BBAU is clearly saying their problem which is greater and better thinking than Visvabharati University. Indeed, the Universities should always self conscious to confess their problems clearly so that research scholars may put their hidden problems on proper stage and authority to do better solve and solution in favor of Universities. Visvabharati University has written that all students of their university are very satisfied but they have not filled the sub head of this question. It means some hesitations are available. In spite of so many problems BHU Central Library administration authority is thinking ahead to overcome their technical problems through broad innovation in their own way. Regarding this, Singh & Singh (2015) have proposed innovative thought by using Big data analytics for information management and technical challenges of classification cataloguing in their research paper to avoid some other technical hidden hurdles.

Table No:-9

## Adequacy/Availability of information on E-resources

S.No.	Name of Universities	Always adequacy	Most ly	Somet imes	Never
1	Banaras Hindu University, Varanasi	YES	NM	NM	NM
2	Baba Bhimrao Ambedkar Central University, Lucknow	YES	NM	NM	NM
3	Visvabharati Central University, Shantiniketan	YES	NM	NM	NM

**Table No:-9** depicts that adequacy and availability of information of using E-resources are always the same level. It clears that here the thinking of three Central University Libraries is fully common and comparatively while each and every aspects should be similar maximum due to centralized structuring, same organizational set up, funding by UGC fully and application of similar rules and regulation.

**Table No:-10**  
**Advantages of using E-resources and behavior of the staff in library for Using E-resources.**

S.No.	Name of Universities	Time saving advantages	Easy to use	More informatics	All three advantaged	Excellent behavior	Very good	Good	Fair	Avg.
1	Banaras Hindu University, Varanasi	YES	YES	YES	YES	NM	YES	NM	NM	NM
2	Baba Bhimrao Ambedkar Central University, Lucknow	YES	YES	YES	NM	YES	NM	NM	NM	NM
3	Visvabharati Central University, Shantiniketan	YES	YES	YES	YES	YES	NM	NM	NM	NM

**Table -10:** reveals that the advantage of using different types of E-resources and behavior of the staff clears that BHU and Visvabharati are getting all types of advantages of E-resources compared to BBAU which is failing to get all advantages.

The behavior of the staff in the library for E-resources using is very good in BHU while in Visvabharati and BBAU has marked excellent behavior.

It is very astonishing that in the website of Visvabharati, Library portal is not running properly at present. Who is responsible for this activity if they are unable to run the portal based on E-resources? How can they prove that their staff behavior is excellent in these circumstances?

In the other hand, BBAU has given answer about E-resources awareness" No idea". How is it possible then that staff behavior is excellent without any idea of E-resources? Is it trustworthy? Perhaps doubtful.

**Table No:-11**  
**Impact of Reading Articles from E- Resources on Academic Efficiency**

	information	research process	up to date	competency	and ideas	and joint research	authors/ data uses	problem	other sources
1	Banaras Hindu University, Varanasi	YES	YES	NM	YES	YES	YES	YES	YES
2	Baba Bhimrao Ambedkar Central University, Lucknow	YES	NM	NM	YES	NM	NM	NM	NM
3	Visvabharati Central University, Shantiniketan	YES	YES	YES	YES	YES	YES	YES	YES

**Table-11:** reveals the impact of reading articles from E-resources on academic efficiency that all surveyed libraries feel easier access to information commonly and inspiring resource for new things and ideas. This table proves that the impact of IT innovation is very strong and it moves us the fourth law of Dr. S.R. Ranganathan "Save the time of the reader". Tham and Ramamaheswari (2014)<sup>22</sup> has also surveyed impact if IT on reading articles and other impact in his research paper. They suggest that the impact of IT innovation has given a marvelous opportunity to apt and search of any information within a minute and it makes us current up to date always when library authority provides everything on proper time and skillful help of E-resources. This will attract of the types of academic community of all over India without any doubt. BHU and Visvabharati feel also expedited the research

process, improved professional competency; result in collaboration and joint research, to know authors /data uses, to resolve technical problems etc. also. It proves again maximum areas and activities of the libraries are affected fully through the using Electronic resources. At present, we can't move and think without E-resources in libraries, sans E-resources, it means, we have to go again in old age traditional forms. Now, there is a question for BBAU if BBAU has selected the option mentioning that they accept the 'easier access to information' then why don't they select all option in this table related to E- resources compared to BHU and Visvabharati.

### **Findings:**

The following is the important findings of the study.

1. Although, the Electronic resources are more used and accessible in BHU and Visvabharati than BBAU, Lucknow which clears the environment of using E-resources in BBAU, Lucknow is in childhood level at present while they are gaining more financial support and resources from Central Govt. of India and UGC.
2. In BHU and Visvabharati University have so many major problems while accessing the information through internet for E-journals and articles accessing like slow access speed etc. We felt that BHU and Visvabharati have crores of money for library so that they can achieve any costly facility for their users, in spite facing technological problems. It means they have no powerful Wi-fi facility in library campus.
4. The response of the Universities for fulfilling the questionnaire individually was found very co- operative than online contact and by post. It's clear that individual efforts are demanding to fill the questionnaire rather than on line/postal contact at present scenario.
5. The findings of table 11 clearly shows the most important role of IT at present in libraries not only in three above surveyed Central University Libraries but all over India, it affected and given aforesaid impact on each and every aspects and activities of libraries. A number of research paper's authors have proved through their survey of this type of problems that the impact of IT innovation has moved and changed the libraries vision and environment certainly.
6. The effective use of Electronic resources in library administration can greatly enhance existing efficiencies, dry down communication cost and increase transparency in the functioning of various sections. It enabled library services make timely and reliable information available on line. The end result gives simplification of the library function in every area by saving users time, resulting in enhanced productivity and efficiency with high transparency in library services. Govanakoppa and Kemparaju (2015).<sup>23</sup>

7. Among three Central Universities in India, they have many differences in giving the answers of the E-resource related questionnaire. Though, BHU and Visvabharati Universities activities are appreciable but their differences are really out of the way.

8. About the awareness, the BBAU thinking is very astonishing because they are not serious of giving the answers related to E-resources compare to BHU and Visvabharati University.

9. Lastly, we have found that the function and services of the Central University Library BHU and their higher authority co operation are a matter of praise worthy and this type of positive behavior and inspiring attitude may be boon for the research scholars to achieve their research object within time in minimum cost and botheration than other two Central University libraries comparatively.

### **Suggestions:**

Based on the various observations of the study the following suggestions are made.

- The problems of slow access speed can be overcome by increasing the bandwidth.
- Internet connectivity and accessibility download speed should be improved and free wi-fi facility should be given to library campus necessarily for high speed internet connectivity.
- Increasing resources should be allocated proportionally according to need and global requirement of digital phenomenon enriching digital resources for the benefit of users and staff.
- Awareness should be generated on primary to higher level regularly because without it, the purpose of enhancing use of e-resources may be failure as well as obtaining current information.
- Uses and collection of online E-resources should be increased and boost to subscribe according to need and global requirement of users and staff timely.
- This study suggests that specially in using sample survey methodology, as basic primary research survey, Central Universities are giving maximum priority to the individual visit and study in their library except to online and postal help. It has been found that whatever Paul Burton (1990)<sup>24</sup>, Krishan Kumar(1992)<sup>25</sup> and Busha (1980)<sup>26</sup> suggested in their observation that clearly proved through my Pilot survey to these universities for my thesis topic to support my above statement used

survey methodology in my research work. This also proved that questionnaire techniques are more logical, authentic and appropriate for concluding fruitful result of research object, than observational, telephonic, interview, postal and electronic methodology of survey research for future generation in this field.

### **Conclusion:**

The above study concludes that maximum Central Universities are availing maximum infrastructural facilities and financial support with highest level technical support also from UGC and themselves. But, they are using more or less E-resources facilities and free wi-fi campus. Due to these lacunas, survey results reveals also that technical and promotional avenues are minimum and their training of E-resources through department are not in proper way by which their awareness and service providing skills are not most efficient as well as they deserve in surveyed universities.

Indeed, BHU is counted as an oldest and having biggest collection and infrastructure with skills, not in India but in Asia, they should do some special and extraordinary efforts to uplift their level in the field of E-resources because their place and level is not in UP or India but in Asia. Therefore, the gravity, dignity and glory dreamt by Pandit Madam Mohan Malviya should always be the level of the sky. UGC should take more initiative seriously in this area to boost primary research work for the prospect of future generation, higher education and nation in today's emerging digital phenomenon. Research scholars of Private Universities are deprived to get any type of scholarship from university or UGC to boost their original research work while most of universities are demanding individual approach for their basic primary research need which is more expensive and not affordable to those who are not economically sound. In this emergence of cyber age it is more difficult and challenging to fulfill the research target within time limit and more appropriately.

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