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EDITORIAL

It is with high praise and deep gratitude to Almighty Allah the creator of the universe that we present this maiden edition of The UMYU-Journal of Library and Information Science (UMYU-JOLIS). In this instance, I wish to convey my earnest gratitude and sincere appreciations to the members of the editorial board for their unrelenting support and encouragement in the successful production of this volume. Despite many challenges, this volume has now become a reality. This success is indeed a great milestone and an important signpost in the history and development of the Department of Library and Information Science, Umaru Musa Yar'adua Univesity.

The essence of this academic journal is to promote scholarship both nationally and internationally as well as to develop intellectual thinking ability of young scholars. The Journal intends to publish articles in the pertinent field of Librarianship, Information Science, Information Technology, Educational Technology, Knowledge Management, Information Processing and Media Studies. In line with the set objectives of this journal, contributing articles are subjected to double-blind peer review before they are published. To this end, I would like to appreciate our teaming editorial consultants and reviewers for their diligent critiques, observations and suggestions on how to improve the quality of the articles.

Conclusively, our immeasurable gratitude goes to all the article contributors for their patience.

Dr. Muhammad Kabir Abubakar

Editor-in-Chief

UMYU-JOLIS is being positioned as an internationally refereed journal published bi-annually in (May and November) by the Department of Library and Information Science, Faculty of Education, Umaru Musa Yar'adua University, Katsina State, Nigeria. It is dedicated to the exchange of the latest research and practical information in the field of Librarianship, Information Science, Educational Technology, education, and Knowledge Management, information processing and Media Studies. The journal publishes original research and case studies by academic, business and government contributors on the key areas of library science, information science, education and mass communication including best practices, policies, and guidelines. Manuscripts are double-blind peer-reviewed and if found suitable, published according to the subject matter as a **Research Paper**, **Review Paper** or a **Technical Note**.

The journal borders on (but not limited to) the following areas:

- Library Science
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Table of Contents

Title page.....	v
Copyright page.....	vi
Editorial Board.....	vii
Editorial Advisers.....	viii
Editorial.....	ix
Aims and Objectives of the Journal	x
List of Contributors.....	xi

Virtual Worlds: Libraries in Second Life during
COVID 19 And Post COVID 19
Bilkisu Lawal CLN

Awareness and Experience of School Library
as Determinants of Library Usage among
University of Lagos Undergraduates
**Ojuolape Olubukunola Ogunbawo, Abdulwahab Olanrewaju Issa
Evelyn Olakitan Akinboro and Ahmed Usman Abdulsalam**

Breaking the Barriers: A Phenomenological Study of Social
Media Adoption in Women's Non-Governmental Organisations
Muhammad, K. Abubakar, and Mooko, N. Patricia

Indigenous Knowledge Preservation in Nigeria,
An Outlook of Public Libraries' Efforts in Kwara State
**Aliyu Mahmud, Unegbu Vincent (Ph.D)
Akinboro E. O. (Ph.D) and Yahaya Ibrahim O.**

Facilities Used for Marketing Information Resources
and Services in Medical Libraries of Public Universities
in North-West Nigeria
Mudassir Abule Abubakar BA, MLS (BUK)

Adoption of E-Commerce Platforms by Shoprite
Customers in Ilorin Kwara State.
Oladele, O.T. and Olupidi J. D.

Awareness and Perception of Plagiarism by
Undergraduates in selected Faculties in University
of Ilorin, Kwara State, Nigeria
**Musediq Tunji Bashorun (Ph.D), Precious Olalere
Olayinka Risikat, Olumoko and Abiodun Charles Adeoye**

Availability of Policies and Information Resources in the Legislative Libraries of State Houses of Assembly in Nigeria Shamsuddeen Aliyu Sada PhD and Dr Kabiru Dahiru Abbas	98
Utilisation of Library Websites by Undergraduates in University of Ilorin and Al-Hikmah University in Kwara State, Nigeria Mutalib Olanrewaju Abdulrazaq, Adeyinka Tella and Najeebat Opeyemi, Abdulraheem	108
Provision and Use of Information Resources in Colleges of Health Sciences in Katsina State Aisha Safiyanu Darma and Binta L. Farouk (PhD)	122
Determinant of Knowledge Sharing Behaviour Among Private University Academics in Kwara State Mohammed Lawal AKANBI, Mary Eniola BABATUNDE, and Qudus Ajibola BANKOLE	134
Influence of Information and Communication Technologies  (ICTS) on Academic Library Services in University of Ilorin, Nigeria Mulikat Yetunde Abdulkareem (Ph.D), Olayinka Risikat, Olumoko and Pricilla Ayooluwa Jacob (Ph.D)	147
Factors Affecting Accessibility and Utilisation of Public Library Services Among Rural Dwellers in Nigeria: A Literature Review Dr. Badamasi Babangida Mohammed (CLN) and Mohammed Tukur Lawal (CLN)	160
Evaluation of the Use of Law Libraries Among Legal Practitioners in Kwara State Ibrahim Olarewaju, Yahaya, Muhammed Lawal Akanbi, Zainab Olanihun, Ambali and Tawakalitu Raufu, Balogun	173

ence of Information and Communication Technologies (ICTS) in Academic Library Services in University of Ilorin, Nigeria

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examines the influence of Information and Communication Technologies in academic library services in the University of Ilorin, Nigeria. The study used a descriptive survey design. The total population of library staff is 32 and total enumeration technique was adopted due to the small but manageable population. The findings of the study have revealed that ICTs devices are upgraded, and maintained thereby enabling the efficiency of not just the librarian as well in the rendering of their services. Also, the study has that inadequate funds, erratic power supply, inadequate skilled manpower, ICTs training, inadequate Internet facilities, irregular maintenance, and government policy are some of the challenges, the study concludes that skills possessed by library staff have brought numerous opportunities for them to enable them to fulfill their mission. Among the recommendations given standby generator/ inverter should be provided as an alternative to power

Academic library, ICTs Skills, Library services, University of Ilorin.

Introduction

Proliferation of information is the key factor in any organization with the development. The information itself and the way it is accessed have changes owing to the development in Information Communication Technologies. Information Communication Technology, usually abbreviated as ICT used as an extended synonym for Information Communication Technology. According to Abubakar (2010), ICT could be defined as a broad-based term that

encompasses the gathering (acquisition), organization (packaging), storage and retrieval (dissemination) of information that can be used in textual or numerical (books, documents), pictorial and vocal forms(audio-visual) or a combination of all the above(multi-media), using a combination of computers and telecommunications telephony distance learning. The rapid development and advancement of the ICTs have led to profound and progressive changes in all spheres of human endeavour. This is because it has evolved rapidly within the last part of the 20th Century particularly since the 1960s and 1970s, and has therefore resulted in tremendous changes in the library collections and information dissemination. The emergence of the Internet as the largest repository of information has modified the role of library and information professionals from intermediary to facilitator, new tools for dissemination of information. Also, the shift from physical to virtual services environment, and extinction of some conventional information services thereby giving way for an epoch of web-based information. Rana (2009) opines that ICT holds the key to the success of modernizing information services.

ICT has enormous benefits to the library, especially academic libraries. It led to a radical transformation in the functioning and management of modern libraries, especially academic libraries. It has profoundly changed library operations; the technology-driven environment has enveloped the academic library system. It has taken it to unprecedented heights in the acquisition of information materials, management, and communication as it is considered as the most instrumental factor for the endowment of library services. According to Mahant et al. (2012), ICT has brought about reconstruction to academic libraries and information services, user's services, predictable library information systems (LIS) such as online public access catalogue (OPAC), reference services, audio-visual services, and customer relations.

Fabunmi (2009) described a 21st Century library as a well-selected collection of units of documentary resources spread everywhere, accessible always, where individuals and groups such as authors, publishers, vendors, and readers are linked through hyperlink technology, across the global electronic network. Also, to relate in different ways, documents that are fast and easily obtainable and available in their full version in view of satisfying multiple cultural exigencies. Thus it is worthy of note that libraries are no longer what they used to be in the past, so also library services have revolutionized as well as the roles of librarians all over the world in every sector with the invention of ICT. Dafiaghor (2012) reported that the use of ICT in Nigerian academic libraries has been profoundly affecting all aspects of information acquisition, storage, and transfer of information. The effectiveness of a library as an instrument of education is determined by the success with which the

Library is able to provide information and satisfy users' needs. Library performs various roles towards users' satisfactions.

According to Raganathan and Babu (2012), the academic library performs a variety of functions: helping the students, providing textbooks, reference books and periodicals, and other information services, including e-resources. Its magnificent development has dramatically changed the mode of library operations and information services. For library users to enjoy services in the library, there must be availability of ICTs. Furthermore, Abubakar (2010) in a study on the availability and use of the ICT in six Nigerian university libraries; notably to identified the availability of computers, internet, CD-ROMS, e-mail, microfilm, microfiche, tapes, and slide projectors as resources available and they use the resources for education and training.

Despite, the availability of ICTs in Nigerian university libraries, the desired impact on library operations like collection management and other library services can only be felt when they are well used. Also, the benefit derived in library services like collection management will be minimal, and it will not justify the cost used to make the ICTs available (Ikegwuro, 2017). Therefore, this study examines the influence of the ICTs on academic library services.

Statement of the Problem

The influence of Information Communication Technologies the (ICTs) on library services cannot be overemphasized. The aim of ICTs application in academic libraries is to enhance acquisitions, organisations, storing, and information dissemination. However, in spite of the enormous benefits that abound in the ICT application on academic libraries activities, the librarians still experience difficulties and obstacles in the application of the various ICT tools to the services provided by academic library to its users. As supported by Otuza, Badmus, and Simisaye (2018) that ICTs are not being effectively utilized in providing services to library users and this may be attributed to some factors, one of which is the inadequacy of skills of personnel in the ICT applications. Similarly, Ubogu (2019) reports that librarians' performance in using the ICTs skills is very low. Thus, it is necessary to investigate the ICT skills level of library personnel to determine whether they acquired the requisite ICT skills and how the acquired skills have influenced provision of library services. Therefore, this study examines the influence of the ICTs on academic libraries in the University of Ilorin Library.

Research Questions

Following research questions were formulated based on the specific objectives of the study:

1. What are the levels of automation in the library?
2. What are the ICT resources available to the library staff in the library?
3. What is the influence of ICTs on academic library services in University of Ilorin?
4. What are the challenges encountered by the library staff in the use of the ICTs in the library?

Literature review

In the study carried out by Adeleke and Olorunsola (2010) on the use of online tools and techniques for cataloguing and classification in Nigerian libraries a case of Redeemers University, The findings reveal a high level of awareness among librarians in Nigeria. The study further reveals the use of the ICT tools, which has advantages over manual methods. Adeleke and Olorunsola (2010) affirm that libraries must have proactive response to the ICT.

In the survey conducted by Cent (2009), the findings show that the University Community in Kenya was ready to use the ICT for learning, teaching, and research. Also, the study established that the institutions allocated low operational budgets to the ICT and they did not invest adequately in campus networks. Equally important, they also lacked strategies for building the capacity of faculty to use the ICT effectively so to support their teaching and research activities.

Moreover, Oyegbami (2009) reiterates that the ICT is an instrument of social economic renaissance and if properly used, it could excellently stem national and international calamity therefore assisting in the growth and the development of libraries in our higher institutions in Africa. Furthermore, Amutabi (2009) examines Information Communication Technologies in Kenya. The study points out that with the dwindling financial donor support situation, it is unlikely that things will improve much better. Kamba (2011) restates that libraries which became fully automated in the 1990s but could not afford to migrate, and they also find their current software very limited. So, unless one could afford to migrate onto new and updated systems, the early start could be a great disadvantage. Additionally, Kamba (2011) reports that the ICT is not well spread and utilized in African institutions of higher learning, mainly because of poor communication network, limited access to the ICT hardware and software for example. Similarly, Etebu (2010) investigated the availability and application of the ICT facilities a case of Niger Delta Universities. The findings reveal that although there is an awareness of the ICT in the libraries, the available facilities are very poor. Walmiki and Ramakrishnegowda (2009) determine the status of the ICT infrastructure in six selected university libraries. The study reveals that most of the libraries lack sufficient hardware and software facilities and the Internet with required bandwidth. Also, Ifijeh (2013)

states that the ICT skills have positive influence on reference service delivery in selected libraries through fast access to sources of information needed by users, the way of directing users to sources of information, quick and easier means of communication with users and the provision of accurate information to users.

Similarly, Ojedokun and Okafor (2015) investigated ICT skills and skills acquisition and competencies of librarians in selected academic libraries in Nigeria. The study reveals that many of the respondents do have knowledge and skills of e-mail use and word processing tasks but they lack knowledge of search skills and sources other than Google and Yahoo respectively.

Itsekor and Ugwunna (2014) stressed that ICT has transformed the face of librarianship as the role of library and information science professionals shift from guardian of books to information professionals, with the responsibility of creating, processing, storing, manipulating and disseminating information electronically. In addition, Nagarajan (2012) reiterates that LIS professionals need to be trained with latest ICT skills to keep them up to date in order to enhance their performance in providing improved and dynamic information service to users. Oyoywe-Tinuoye, Olorunzori and Patrick (2021) reveals that the majority of the respondents in the university library acquire ICT skills through self-sponsorship.

Methodology

The study adopted descriptive survey research design. The population of the study consists of the professionals and paraprofessionals who work in the University of Ilorin main library with total number of 32 (14 professional and 18 paraprofessionals). Total enumeration was adopted because of the small population which the researcher can manage and stratified sampling technique applied. The questionnaire was used as data collection instrument. The data to be collected was entered into computer, using the Statistical Package for Social Science (IBM-SPSS version 20.0).

Data Analysis

Table 1: Frequency Distribution of Respondents

Sex	Frequency	Percent	Valid Percent	Cumulative Percent
Male	20	55.6	55.6	55.6
Female	12	44.4	44.4	100.0
Total	32	100.0	100.0	

Source: Field Data, 2020.

Table 1 shows that 20(55.6%) of the respondents are male and 16 (44.4%) of the respondents are female. It can be deduced that more males participated in the study than females.

Table 2: Age, Professional level and Qualification of library staff(n=32)

Demographic characters	Items	Frequency	Percentage
Age	31-40	14	43.8
	41-50	14	43.8
	51-60	4	12.4
	Total	32	100
Professional Level	Professional	14	43.8
	Paraprofessional	18	56.3
	Total	32	100
Educational Qualification	SSCE	4	12.5
	NCE/OND/Diploma	14	43.8
	BSC/HND	4	12.5
	MLIS	10	31.3
	Total	32	100

Source: (Field Data, 2020)

Table 2 shows that members of staff of the age bracket 31-40 who participated in the study are 14 (43.8%) while members of staff of the age bracket 41-50 who participated in the study also constitute 14 (43.8%). So also members of staff from the age bracket of 51-60 constitute 4 (12.4%). The age bracket of 31-40 and 41-50 are more than that of age bracket of 51-60. This shows that the staffs are capable and experienced enough to attain efficiency and effectiveness in the execution of library services. Also, the number of professional staff is 10 (31.2%) and Para- professional staff is 22 (68.8%) as the highest, which implies that there are more para-professional staff than professional staff in the University of Ilorin Library. This is also reflected in their educational qualification, where the combination of SSCE (4) 12.5%, NCE/OND/Diploma (14) 43.8% amounts to the Para-professionals of (18) 56.3%.

Table 3: ICT devices Available in the Library(n=32)

Items	Non-available	% Available
Computer system	0	32 (100%)
Internet facilities	2	30 (93.8%)
Telephone	8	24 (75%)

Photocopiers	2	30(93.8%)
Printers and Scanners	0	32 (100%)
Microform and Microfiche	14	18(56.3%)
Audio visuals	0	32(100%)
Projector	6	26(81.3%)

Source: (Field Data, 2020)

Table 3 indicates that all of the ICT devices above are available in the library. For every item listed, over 50% of the staff have agreed to the availability of the item. 100% of the staff have agreed to the availability of computer system, printers and scanners as well as Audio visuals. In addition, the finding shows that 93.8% of the staff have agreed that internet facilities as well as photocopiers are available. Also, 26(81.3%) of the staff have agreed that projectors are available as well while 18 (56.3%) of the staff have agreed that Microform and Microfiche are available in the library.

Table 4: Level of ICT skills possessed by librarians (n=32)
VG- Very Good, G- Good, F- Fair, V.P- Very Poor, P- Poor

Skills(Tasks)	VG	G	F	VP	P
Use ICT devices such as computers, printers, scanners, projectors, etc.	18 (56.3%)	12 (37.5)	0 (0%)	2 (6.3%)	0 (0%)
Use library software such as Koha, Newgenlib etc.	10 (31.3%)	10 (31.3%)	12 (37.5%)	0 (0%)	0 (0%)
Use searching skills and use of technology	8 (25.0%)	16 (50)	6 (18.8%)	2 (6.3%)	0 (0%)
Develop institutional repository	8 (25%)	6 (18.8%)	16 (50%)	2 (6.3%)	0 (0%)
Design and manage web pages	6 (18.8%)	10 (31.3%)	8 (25%)	8 (25%)	0 (0%)
Troubleshoot and repair ICT devices such as printers, scanners, projectors etc.	2 (6.3%)	6 (18.8%)	6 (18.8%)	16 (50%)	2 (6.25%)

Source: (Field Data, 2020)

Table 4 shows that majority 30(93.8%) of the respondents are able to make use of ICT devices such as computers, printers, scanners, and projectors, while 0% of the staff are very poor at handling the ICT devices. Also, 20(62.5%) are able to use library automation software such as Koha, Slim, Newgenlib to a large extent with 24 (75%) possessing skills to search for information and make use of

Boolean logic. 2 (6.3%) of the staff does not have the skills to develop institutional repository, as well as to troubleshoot and repair the ICT devices with 16 (50%) that is not able to design and manage web pages.

Table 5: Usage of the ICT in the Library(n=32)
Key: SA-Strongly agreed; A-Agreed; D-Disagreed; SD-Strongly Disagreed

Items	SA	A	D	SD
I use ICT for Acquisition	14 (43.8%)	16 (50%)	2 (6.3%)	0 (0%)
I use ICT for Cataloguing and Classification	30 (93.8%)	2 (6.3%)	0 (0%)	0 (0%)
I use ICT for Circulation control	12 (37.5%)	18 (56.3%)	2 (6.3%)	0 (0%)
I use ICT for Serial administration	12 (37.5%)	20 (62.5%)	0 (0%)	0 (0%)
I use ICT for inter library loan	8 (25%)	22 (68.8%)	2 (6.3%)	0 (0%)
I use ICT for Online database	14 (43.8%)	18 (56.3%)	0 (0%)	0 (0%)
I use ICT for internet facility	22 (68.8%)	10 (31.3%)	0 (0%)	0 (0%)
I use ICT for Data processing	8 (25%)	20 (62.5%)	4 (12.5%)	0 (0%)

Source: (Field Data, 2020). Note:SA+A=AGREE; SD+D=DISAGREE

Table 5 shows that 30 (93.8%) of the library staff of University of Ilorin Library have agreed that they use the ICT for acquisition while 2 (6.5%) have disagreed. Similarly, 32 (100%) of the library staff have agreed to the use of ICT for the cataloguing and classification of the library users, 30 (93.8%) of the staff have agreed to the use of the ICT for circulation control, which include the registration of students, as well as the charging and discharging of books. Also, 32 (100%) of the staff have agreed to the use of the ICT for Serial Administration, 30 (93.8%) have agreed to the use of ICT for Interlibrary loan, 100% have agreed to the application of ICT for Online database and Internet facility and finally 28 (87.5%) of the staff have agreed to the use of the ICT for data processing.

Table 6: Influence of ICT on library services (n=32)

SA-Strongly agreed; A-Agreed; D-Disagreed; SD-Strongly Disagreed

	SA	A	D	SD
ICT makes service easier and	22 (68.8%)	10 (31.3%)	0 (0%)	0 (0%)
ICT brings about poor library	0 (0%)	0 (0%)	16 (50%)	16 (50%)
ICT reduces direct interaction	10 (31.3%)	18 (56.3%)	4 (12.5%)	0 (0%)
ICT endangers the work of the	0 (0%)	0 (0%)	14 (43.8%)	18 (56.3%)
ICT reduces the work of the	14 (43.8%)	16 (50%)	2 (6.3%)	0 (0%)
ICT provides access to a wide	16 (50%)	16 (50%)	0 (0%)	0 (0%)
range of library materials				

Source: (Field Data, 2020). (SA+A=AGREE, SD+D=DISAGREE)

Table 6 shows the result of the influence of the ICT on academic library services. The result indicates that the ICT has a positive effect on library services as the library staff agreeing more with the positive points and disagreeing with the negative points. 32 (100%) of the staff agree that the ICT makes services easier and 0 (0%) with 100% disagreeing that the ICT brings about poor library services and that ICT endangers the job of the librarian. 28 (87.5%) of the staff supports that the ICT reduces direct interaction between the library and its users, 30 (93.8%) of the staff agree that the ICT reduces the work of the librarian while 30(100%) agree that the ICT provides access to a wider range of library materials.

Table 7: Challenges facing ICT in UNILORIN library(n=32)

	Yes	No
Inadequate funds	28 (87.5%)	4 (12.5%)
Power supply	32 (100%)	0 (0%)
Inadequate skilled manpower	24 (75%)	8 (25%)
Lack of proper ICT training	24 (75%)	8 (25%)
Lack of maintenance	24 (75%)	8 (25%)
Attitude of librarians towards ICT	22 (68.8%)	10 (31.3%)
Unstable government system	24 (75%)	8 (25%)
Lack of bandwidth and internet services	30 (93.8%)	2 (6.3%)

Source: (Field Data, 2020).

Table 7 shows that 32 (100%) of the library staff support this. Other constraints include lack of bandwidth and internet services with 30 (93.8%), inadequate funds with 28 (87.5%). Also inadequate skilled manpower, lack of proper ICT training, lack of maintenance, Unfavourable government service all with 25 (75%) respectively and poor attitudes of the librarians towards the ICT with 22 (68.8%).

Discussion

The study reveals that the ICTs devices are available, upgraded and maintained, thereby enabling the efficiency of not just the library but the librarian, as well in the rendering of services. The findings supported by Kadiri and Adetoro (2012) that the ICTs do not only encourage creation and the sharing of Information but also accounts for automation of library system in which machines (computers) are now used to perform those activities that are hitherto performed manually in the traditional library setting.

The findings reveal that the library staffs have a high level of ICT skills in basic computer operation, use of library automation software and the Internet use while they have low level of other ICT skills in web page design and management and the ICT devices maintenance and troubleshooting. The findings corroborate with those of Umeji, Efe, and Lucky (2013) and Kabiru (2014) that library personnel are highly skilled in the ICT devices, including library automation and information retrieving skills but they have very low skills in web page creation, database creation and the development of institutional repositories.

The findings of this study reveal that the ICT devices are available in academic libraries to the library staff, though not all of the library staff possess the skills to make use of these ICT resources. This aligns with the findings of Solarin (2013) who reports that Covenant University Library has very good ICT resources and internet usage available to both staff and users alike. The study reveals that inadequate funds, erratic power supply, inadequate skilled manpower, lack of proper ICT training, lack of internet and bandwidth facilities, lack of maintenance and unfavourable government policy are the prime challenges. The finding corroborates Krubu and Osawuru study (2011) who report that inadequate training and retraining of staff by management, inadequate funding, epileptic power supply and lack of search skills are the major factors, militating against the effective use of the ICT in Nigerian University libraries.

Conclusion

The study has examined the influence of the ICT on academic library services. The findings demonstrate that academic libraries are making serious efforts

to meet the information needs of its users, by making the ICT's available and applying them to library services and operations. Moreover, advances in the ICT and skills possessed by library staff have brought numerous opportunities for libraries to enable them to fulfil their mission of providing their users with relevant, timely, and up-to-date information.

Recommendations

Based on the findings of this study, the following recommendations are suggested:

- The issue of power supply. A standby generator/ inverter should be made available as an alternative to the power supply.
- The Management should organise more training at regular intervals to keep the library staff abreast of development in the ICT.
- The library should organise seminars and workshops to showcase the ICT applications in library services

References

- Abdulkareem, B. M. (2010). Availability and use of Information and Communication Technology (ICT) in six Nigerian University library schools. *Library philosophy and practice*, 1.
- Amadi, M. N. (2009). *Information and communication technology in Kenya: Some reflections. Studies in the economic history of Kenya*. The Edwin Mellen Press: New York.
- Amadi, S.A & Ameen, K. (2010). Status of technological competencies: A case study of University Librarians. *Library Philosophy and Practice*. Retrieved from <http://unlib.unl.edu/LPP/batool-ameen.pdf>
- Kenya Education Network (2009). E-readiness survey of East African Universities (2008). Kenya Education Network
- Emo, F.K. (2012). Problems and prospects of electronic resources usage in Nigerian academic libraries: *Journal of Economics and International Finance*, 4(9), 220-225.
- Emo, D & Nwalo, K.I.N. (2009). Availability and use of ICTs in collection management and special libraries in the Niger-Delta Region, Nigeria. *Library Philosophy and Practice (e-journal)*, p.243. <http://www.webpages.uidaho.edu/~mbolin/emojorho-nwalo.htm> Retrieved April, 2018
- Emo, A.T. (2010). ICT Availability in Niger Delta university libraries. *Library Philosophy and Practice* <http://unlib.unl.edu/LPP/etebu3.htm> Retrieved March, 2018

- Fabunmi, B.A. (2009). Challenges and prospects of virtual libraries in Universities in Nigeria. *European Journal of Scientific Research*, 33(1), 202-208.
- Ifijeh, G.I. (2013). Trends in the use of ICT in reference services provision: An exploratory study of Nigerian Academic Libraries. *International Research: Journal of Library and Information Science*, 3(1), 23-35.
- Ikegwuro, P. U. (2017). Application of Internet for Service Delivery in Selected Special Libraries in Kaduna Metropolis. *European Scientific Journal*, 13(7), 1857-7881.
- Kamba, M.A. (2011). Implication of ICT's in libraries of higher education institutes: A panacea catapulting library development in Africa. *DESIDOC Journal of Library & Information Technology*, 31(1), 65-71.
- Krubu, D. E. & Osawaru, Kingsley, E. (2011). The impact of Information and Communication Technology (ICT) in Nigerian university libraries. <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1602...> Retrieved June, 2017
- Mahant, M., Shukla, A., Dixit, S., & Patel, D. (2012). Uses of ICT in Agriculture. *International Journal of Advanced Computer Research*, 2(1), 46.
- Nagarajan, M. (2012). Information and communication technology literacy among library professionals in the universities of Tamilnadu. *Journal of Advances in Library and Information Science*, 1(2), 54-59.
- Ojedokun A.A. & Okafor, V.N. (2015). ICT skills acquisition and competencies of librarians. *The Electronic Library*, 33(3), 502-523 <http://dx.doi.org/10.1108/EL-08-2013-0155>
- Otuza, C.E., Simisaye, A.O. & Badmus, I.T. (2016). Information and Communication Technology skills and service provision by library personnel in academic libraries in Ondo and Ekiti States, Nigeria. *Gateway Library Journal*, 19(2), 211-229.
- Oyoywe-Tinuoye, G.O., Omeluzor, S.U. & Patrick, I.O. (2021). Influence of ICT skills on job performance of librarians in university libraries of South-South, Nigeria. *Information Development*, 37(3), 345-358.
- Ranganathan, S., & Babu, K. S. (2012). Awareness and use of library information resources and services in Osmania University, Hyderabad. *International Journal of Library and Information Studies*, 2(3), 42-54.
- Rana, H.K. (2009). Impact of Information and Communication Technology on academic libraries in Punjab. <http://www.goarticles.com/cgi-bin/showa.cgi?=1239032>
- Solarin, E.O.L. (2013). The Use of Information and Communication Technology (ICT) in Academic Libraries in Nigeria: A case Study of Covenant University

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Angu, J. (2019) Impact of Information Technology in Nigerian University
Libraries. *Open Access Library Journal*, 6, 1-13.
doi: [10.4236/oalib.1105340](https://doi.org/10.4236/oalib.1105340).

Mimiki, R. H., & Ramakrishnegowda, C. K. (2009). ICT infrastructure in university
libraries in Karnataka. *Annals of Library and Information Studies*, 56, 236-24. ✱

