



NIGERIAN LIBRARY ASSOCIATION (NLA)
NIGER STATE CHAPTER

2022 Annual

WORKSHOP/CONFERENCE

BOOK **OF** ABSTRACTS

DECEMBER, 2022



**NIGERIAN LIBRARY ASSOCIATION (NLA)
NIGER STATE CHAPTER**

**2022
Annual**
WORKSHOP/CONFERENCE

BOOK OF ABSTRACTS

4TH - 9TH DECEMBER, 2022

@ Nigerian Library Association (NLA), Niger State Chapter (2022)

2022 Annual Workshop/Conference

BOOK OF ABSTRACTS

4TH - 9TH DECEMBER, 2022

Published and printed by

Mainasara Publishing and Printing Services Ventures
Along, Murtala Nyako Road, Bosso Low-Cost, Minna,
Niger State, Nigeria.

Tel: 07032844805

email: mainasaraP&Svent@gmail.com



FOREWORD

Information and Communication Technologies (ICTs) have undoubtedly revolutionized library and information services. This book of abstracts contains summaries of research reports on several fundamental issues reflecting on the innovations in library and information services in the current digital era. The range of topics covered in this book are very current, quite contemporary and in tune with the global standards and practices in library and information service occupation.

The authors in their presentations assume that the readers have prior knowledge on the traditional library and information services as a requisite for a better understanding of the contents of this intellectual work. The book is therefore highly rated and recommended as a reference point for both current and future researchers and students in the field of library and information science.

Fatimah Jibril Abduldayan (PhD, CLN)

Chairperson, NLA Niger State.

Department of Library and Information Science,
Federal University of Technology, Minna.



TABLE OF CONTENT

FOREWORD	i
TABLE OF CONTENT	ii
SEMIOTIC ANALYSIS OF LIBRARY HOMEPAGES: A CASE STUDY OF UNIVERSITY OF MANAGEMENT AND TECHNOLOGY, LAHORE, PAKISTAN.	01
IMPORTANCE OF RESOURCE SHARING IN LIBRARIES AND INFORMATION CENTRES IN THE DIGITAL AGE	01
THE FOURTH INDUSTRIAL REVOLUTION (4IR) AND INNOVATIVE LIBRARY AND INFORMATION SERVICE DELIVERY IN THE DIGITAL AGE	02
IMPACT OF ICT TRAINING ON THE JOB PERFORMANCE OF ACADEMIC LIBRARIANS IN KEBBI STATE, NIGERIA IN DIGITAL AGE.	03
THE CHANGING WORLD OF INFORMATION AND THE NEED FOR INFOPRENEURSHIP PRACTICE BY LIBRARY AND INFORMATION SCIENCE PROFESSIONALS IN 21st CENTURY NIGERIA	04
APPLICATION OF ICT IN THE ACADEMIC LIBRARY OF KEBBI STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY ALIERO: PROBLEMS, SOLUTIONS AND PROSPECTS IN DIGITAL AGE.	05
A CLARION CALL FOR THE INCORPORATION OF SOCIAL MEDIA STUDIES IN LIBRARY SCHOOLS CURRICULUM	06
AWARENESS AND USE OF INSTITUTIONAL REPOSITORY ON POSTGRADUATE RESEARCH ACTIVITIES IN TWO (2) FEDERAL UNIVERSITIES, NORTH-CENTRAL NIGERIA.	06
USE OF SOCIAL MEDIA AS CORRELATES OF SERVICE DELIVERY BY LIBRARY STAFF IN IBRAHIM BADAMASI BABANGIDA UNIVERSITY, LAPAI, NIGER STATE, NIGERIA	07
ONLINE DATABASES IN LIBRARIES AS FACILITATORS OF UNDERGRADUATE STUDENTS' OF ENGINEERING SKILLS ACQUISITION IN NORTH CENTRAL, NIGERIA`	08
BOOK RECOMMENDER SYSTEM FOR UNIVERSITY LIBRARIES USING HYBRID COLLABORATIVE FILTERING AND CONTENT-BASED ALGORITHMS.	08
USE OF OPEN-ACCESS RESOURCES AND DIGITAL PLATFORMS FOR EFFECTIVE TEACHING AND PROFESSIONAL DEVELOPMENT OF SCIENCE TEACHERS IN NIGERIA	09



TABLE OF CONTENT

BRINGING INNOVATION TO THE USE OF SOCIAL MEDIA PLATFORM FOR IMPROVED SERVICE DEELIVERY IN NIGERIAN LIBRARIES	10
USE OF ADAPTIVE EQUIPMENT TECHNOLOGY FOR SUPPORTING DISABLED PERSONS IN FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA LIBRARY ENVIRONMENT.	10
4IR AND INNOVATIVE LIBRARY AND INFORMATION SERVICE DELIVERY IN THE DIGITAL AGE	11
WHATSAPP AS A TOOL FOR KNOWLEDGE SHARING AMONG ACADEMIC LIBRARIES IN NIGERIA	11
IMPACT OF LIBRARY AUTOMATION ON SERVICE DELIVERY IN LIBRARIES AND INFORMATION CENTRES	12
CLOUD COMPUTING AMONG STAFF OF MANAGEMENT INFORMATION SYSTEMS UNITS OF ACADEMIC INSTITUTIONS	12
INFLUENCE OF MANAGEMENT AND USE OF RECORDS ON ORGANISATION PERFORMANCE IN LOCAL GOVERNMENT COUNCILS IN NIGER STATE	13
CYBER SECURITY IN ACADEMIC LIBRARY UNDER THE 4TH INDUSTRIAL REVOLUTION ERA	13
INFORMATION DISSEMINATION BY PUBLIC LIBRARIES FOR SUSTAINABLE MENTAL HEALTH LITERACY AMONG YOUTHS IN RURAL AREAS OF NORTH-CENTRAL NIGERIA	14
THE USE OF ELECTRONIC INFORMATION RESOURCES BY UNDERGRADUATE STUDENTS OF ADAMAWA STATE POLYTECHNIC, YOLA NIGERIA	15
PRESERVATION OF MULTIMEDIA RESOURCES FOR EFFECTIVE SERVICE DELIVERY IN ACADEMIC LIBRARIES	15
ELECTRONIC JOURNAL PROVISION AND USER SATISFACTION AS FACTORS FOR JOB PRODUCTIVITY OF ACADEMIC STAFF IN SELECTED FEDERAL POLYTECHNICS IN NORTH-CENTRAL, NIGERIA.	16
INTEGRATION OF ARTIFICIAL INTELLIGENCE IN ACADEMIC LIBRARY SERVICES	17



TABLE OF CONTENT

SECURITY POSTURE AND LIBRARY AND INFORMATION CENTRE E-RESOURCES IN HIGHER EDUCATIONAL INSTITUTIONS LIBRARIES IN NIGERIA: AN OVERVIEW.	17
CREATING AWARENESS, PROVIDING ACCESSIBILITY AND ENSURING THE USE OF ICT FACILITIES IN ACADEMIC LIBRARIES	18
THE IMPACT OF INFORMATION COMMUNICATION TECHNOLOGY ON TEACHING AND LEARNING AMONG THE ACADEMIC LIBRARIANS OF ADAMAWA STATE POLYTECHNIC YOLA.	19
ASSESSMENT OF THE EXTENT THAT STATE UNIVERSITY LIBRARIES IN THE NORTH WEST ZONE OF NIGERIA HAS IMPLEMENTED CULNU STANDARDS ON LIBRARY PERSONNEL	20
LIBRARY AND INFORMATION TECHNOLOGY PROCESSING SKILLS FOR ENTREPRENEURSHIP IN NORTH CENTRAL NIGERIA	20
ETHICAL ISSUES IN MANAGEMENT OF BIG DATA IN LIBRARIES AND OTHER INFORMATION CENTERS	21
DATA MANAGEMENT IN THE ERA OF INFORMATION AND COMMUNICATION TECHNOLOGY: LIBRARIANS CAN MAKE A DIFFERENCE	22
MOTIVATIONAL INDICES AND JOB PRODUCTIVITY OF LIBRARY STAFF IN NIGER STATE COLLEGE OF NURSING SCIENCES	23
TRANSFORMING ACADEMIC LIBRARIES INTO AN INTERACTIVE STEAM LEARNING ENVIRONMENT IN KANO STATE UNIVERSITIES	23
INFORMATION AND COMMUNICATION TECHNOLOGIES: AN ENABLER FOR RESOURCE SHARING IN LIBRARY MANAGEMENT	24
CHALLENGES AND PROSPECTS OF LIBRARIES AND LIBRARIANSHIP IN THE DIGITAL AGE	25
COMMUNIQUE ISSUED AT THE END OF THE 2022 NIGERIAN LIBRARY ASSOCIATION (NLA), NIGER STATE CHAPTER, CONFERENCE/WORKSHOP	26



SEMIOTIC ANALYSIS OF LIBRARY HOMEPAGES: A CASE STUDY OF UNIVERSITY OF MANAGEMENT AND TECHNOLOGY, LAHORE, PAKISTAN.

Mariym D/o Muhammad Ismail'
Librarian, IDA RIEU Welfare Association
School and College for Blind and Deaf
mariymroshan@gmail.com

By **Dr. Muhammad Waseem Zia2**
Assistant Professor,
Department of Library and Information Science,
University of Karachi. mwzia@uok.edu.pk

Kamaludddeen Isa El-Kalash3
Systems Librarian College Library Complex,
Federal College of Education Kontagora, Niger-State, Nigeria.
maimartabachief@gmail.com Abstract

ABSTRACT

Signs and symbols play important roles in our lives because they help us to convey messages even without the written words. With the invention of the internet and the evolution of web technologies, the universe became a global village because the internet facilitated a better and faster avenue for human communication. In libraries and allied information science terrains, the internet fostered the use of Websites, to portray the intellectual contents that are domiciled in them. On the library websites, users can ascertain the timings, collections, databases, policies etc. of a particular library because the icons that are visible on a library homepage make their view very

attractive as well as convey the interpretations of the images without textual inscriptions. Hence, this study used a qualitative approach of the descriptive method to analyze the UMT Library homepage. Icons of resources, services and facilities are the components that were used for the collection of data. Results of the study show that the images on the UMT Library homepage are logical and self-explanatory because they convey logical meanings. Part of the recommendations is that the UMT library should put an image/ icon in the category of resources and services offered by the library amongst others.

Keywords: Library, Homepage, Semiotic Analysis, UMT, Website.

IMPORTANCE OF RESOURCE SHARING IN LIBRARIES AND INFORMATION CENTRES IN THE DIGITAL AGE

Kasim Muhammad Bala (CLN),
kasim.bala@futminna.edu.ng

Abba Fati (CLN),
fati.abba@futminna.edu.ng
+2348036936900

Jibril Hajara (CLN).
Hajo.jibril@futminna.edu.ng
+2347035577793. University Library, Federal
University of Technology, Minna, Niger State.

ABSTRACT

Resource sharing aims at maximizing collection and services of libraries and information centres at minimum cost. This paper discussed the importance of resource sharing in libraries and information centres in both traditional and modern terms. Various sources of information (primary and secondary literature) were perused to view the essentiality of resource sharing in carrying out effective and efficient library and information services to users. The paper also highlighted the requirements needed for successful resource sharing practices among libraries. The significance/benefits of resource sharing as it relates to economic, developmental, academic/research as well as social life of librarians and library personnel were

clearly stated. An ideal library networking model for resource sharing as well as examples such as DELNET and INFLIBNET were presented. Various challenges militating against effective resource sharing were highlighted. The study concluded that resource sharing is inevitable and absolutely a necessary tool for enhancing an all time effective and efficient library and information services. The study proffered recommendations which serves as remedies to factors militating against effective resource sharing in libraries and information centres in digital age.

Keywords: Information, Resource, Sharing, Importance, Libraries.



THE FOURTH INDUSTRIAL REVOLUTION (4IR) AND INNOVATIVE LIBRARY AND INFORMATION SERVICE DELIVERY IN THE DIGITAL AGE

By:

Mujeeb Hammed¹
Abdulsalam Mohammed Madaki²
Hafsat Idris Madaki³

^{1,2,3}Department of Library and Information Science,
School of Science and Technology Education,
Federal University of Technology, Minna, Niger State.
Email: hamkamolujide@gmail.com

ABSTRACT

This paper examined the conceptualisation of The Fourth Industrial Revolution (Industry 4.0) as the current revolution era succeeding the past Industrial revolution over the years. Industry 4.0 is characterized with the rapid and increasing interconnectivity of various technological advancements and innovations resulting to major disruptive changes in the global world. In fact, Information explosion is considered an understatement to the resulting paradigm shifts. However, recognising the tenacious nature of libraries for always staying ahead of everything as they are always in the fore front of technological revolutions, this study aims to not only identify the emerging technologies that makes up the 4IR, but also to find out whether the fourth industrial revolution

actually poses an existential threat to the contemporary library routines and practices. This study concludes by stressing the importance of digital age librarians to intensify their technological skills, knowledge and research on the increasing trends and integral components that make up the fourth industrial revolution, and also strongly recommend the adoption of these trends into library routines and operations as innovative ways to expedite the library and information services in the digital age.

Keywords: Fourth Industrial Revolution, Information service delivery, Innovative library services, Artificial Intelligence, Internet of Things, Cloud Computing, Robotics in library.



IMPACT OF ICT TRAINING ON THE JOB PERFORMANCE OF ACADEMIC LIBRARIANS IN KEBBI STATE, NIGERIA IN DIGITAL AGE.

By

ALIYU, Ibrahim⁽¹⁾

notifyibrahimaliyu@gmail.com 07032844805

Department of Library and Information Science, Kebbi State Polytechnic Dakingari, Kebbi State.

&

ISA, Isma'ila Zuru,⁽²⁾

ismailsisazuru@gmail.com 08034712855

Academic Library, Kebbi State Academic of Science and Technology Aliero, Kebbi State

ABSTRACT

The main purpose of this study is to determine the impact of training in Information and Communication Technology on the job performance of academic librarians in Kebbi state in digital age. This study will be conducted in the academic libraries in Kebbi State. The study was conceived against the background of the importance of training in Information and Communication Technology to information practitioners and how it is can effectively improve their provision of library services. The study specifically seeks to: Identifying the ICT skills required for training librarians in Academic Libraries in Kebbi State, Determining the impact of ICT training on the Job Performance of Academic Librarians in Kebbi State, Identifying the deficiencies in ICT training employed by Academic Librarians in Kebbi State **and** Proffer strategies towards effective training in ICT by Academic Librarians in Kebbi State. In order to achieve the stated objectives, three research questions were structured to guide the study including: What are the ICT skills required for training librarians in Academic Libraries in Kebbi State, What is the impact ICT training on the Job Performance of Academic Librarians in Kebbi State, What are the deficiencies in ICT training employed by Academic Librarians in Kebbi State and What strategies can be employed to ensure effective training in ICT by Academic Librarians in Kebbi State respectively. The entire population of 46 librarians was sampled for the study. A Descriptive Survey Research Design was adopted for the study. The instrument used for Data Collection was

Questionnaire. The structured Questionnaire was validated by research experts in the field of Library and Information Science. The result of the data collected was analyzed using SPSS and presented in tables using frequency distribution, simple percentage and mean.

Identifying the ICT skills required for training librarians in Academic Libraries in Kebbi State, Determining the impact of ICT training on the Job Performance of Academic Librarians in Kebbi State, Identifying the deficiencies in ICT training employed by Academic Librarians in Kebbi State. and Proffer strategies towards effective training in ICT by Academic Librarians in Kebbi State. Result of the study indicated the ICT skills necessary for librarians are computer skills, accessing online database, downloading files from online databases, printing from downloaded files, accessing database in CDs and DVDs, creating own databases, communication using e-mail, among others are needed for effective service delivery by academic librarian in Kebbi State and that ICT training improved the job performance of academic Librarians. Factors that constitute constraints to effective ICT training among librarians in the academic Libraries studied were identified as; include: slow speed of sewer/modem, unstable power supply, persistent equipment failure and computers are too expensive. Engagement of qualified systems engineer for regular maintenance, sponsorship of staff in ICT training, engagement of well qualified ICT trainers will go a long way in bridging the gap. It is however recommended that Tertiary institution's library management should provide computers and network them as well as organize effective in-house ICT training, employing qualified trainers for the benefit of her staff among others.

Keywords: Training, ICT, Librarians, Job Performance, Academic Library, Digital Age.



THE CHANGING WORLD OF INFORMATION AND THE NEED FOR INFOPRENEURSHIP PRACTICE BY LIBRARY AND INFORMATION SCIENCE PROFESSIONALS IN 21st CENTURY NIGERIA

By

Kamaluddeen Isa El-Kalash¹, Samaila Baba Mohammed², Hajara Jibril³
& Rukayya Musa⁴

Corresponding Email: maimartabachief@gmail.com

Address: ^{1&2} College Library Complex, Federal College of Education Kontagora, Niger State, Nigeria.

³ Kwara State College of Education, Oro, Kwara State.

⁴ Department of Library and Information Science Federal University of Technology Minna, Niger State.

Mobile: +2348033583111

ABSTRACT

The population growth rate in Nigeria has constantly been outpacing output expansion, leading to some macroeconomic challenges that are bedeviling the country at present. The situation above has led to the number of people seeking formal job avenues becoming acute. However, the advent of the internet has facilitated tremendous transformations in our societies on virtually all fronts of human struggle. It has no doubt, fast-tracked the generation and distribution of information and knowledge for the advancement of humanity at a very massive scale. It is in consideration of the above that this paper used a desk research approach to highlight the need for library and information science (LIS) professionals to engage in a web of information-related practices activities that

would make them have additional streams of income through infopreneurship practice. In the process, the concept of infopreneurship was explored; some areas of infopreneurship practice in Nigeria were highlighted; who the LIS Professionals are was explained; the LIS Professionals in the 21st-century era was analyzed and the need for infopreneurship practice by the LIS Professionals in Nigeria was discussed. However, the paper concluded with a recommendation for the LIS curriculum to be revamped to address the changing demands of the LIS profession in a 21st-century world of information amongst others.

Keywords: Infopreneurship, Information, Library and Information Science Professionals, 21st century Nigeria.



APPLICATION OF ICT IN THE ACADEMIC LIBRARY OF KEBBI STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY ALIERO: PROBLEMS, SOLUTIONS AND PROSPECTS IN DIGITAL AGE.

By

Isma'ila Isa Zuru,⁽¹⁾

ismailsisazuru@gmail.com

08034712855

University Library,

Kebbi state University of Science and Technology Aliero, Kebbi state

&

Aliyu Ibrahim⁽²⁾

notifyibrahimaliyu@gmail.com

07032844805

Department of Library and Information Science,
Kebbi State Polytechnic Dakingari, Kebbi state.

This study titled “Application of ICT in the Academic Library of Kebbi State University of Science and Technology Aliero will emphasize on Problems, Solution and Prospects of Information and Communication Technology application in Digital Age. The study will be conducted with the general aim of understanding the level of challenges encountered in the application of ICT to the routine library operations and services in the area under study. It is a global trend that Academic libraries are becoming transformed from analog mode of operation to a more computer-based operation. it is on this background that this study seeks to: Ascertain the level of Knowledge of ICT by the Librarians, Identify the areas of Application of ICT in the routine library operations and services, find out the impediment factors to ICT Application, Proffer solutions to the identified challenges for improved application of ICT and Identify opportunities provided by ICT application in Kebbi State University of Science and Technology, Aliero. The study will be guided by five research questions including: What is the level of ICT Knowledge of Academic Librarians? What are the areas of ICT application in the

Academic Library? What are Challenges Identified in the Application of ICT in the Academic Library, What Strategies can be employed to address the identified challenges and What are the opportunities provided by ICT application in Kebbi State University of Science and Technology Aliero respectively. A descriptive Survey research design will be used to conduct this research which will be restricted to Kebbi State University of Science and Technology Aliero Library. The population for the study will be comprised of 10 professional Librarians and 26 Library Officer totaling 36 respondents. The instrument to be used for data collection will be a structured questionnaire which will be validated by research experts. The data collected will be analysed using frequencies count and simple percentages. Only correctly filled questionnaire will be considered for Data analysis using SPSS version 2.1. Findings of the study will be discussed and recommendation will be provided based on the research output at the end of the research work.

Key words: ICT, Application, Academic Library, Problems, Solutions, Prospects.



A CLARION CALL FOR THE INCORPORATION OF SOCIAL MEDIA STUDIES IN LIBRARY SCHOOLS CURRICULUM

Rita Otibhor Salami⁽¹⁾
University Library Services
Federal University of Technology, Minna, Nigeria

By Zainab Suleiman Mohammed⁽³⁾
General Studies Department
New Gate University, Minna, Nigeria

Abedoh Godwin Onimisi⁽²⁾
University Library
New Gate University, Minna, Nigeria

Khadiza Avosuahi Ozovehe Sadiku⁽⁴⁾
University Library Services
Federal University of Technology, Minna, Nigeria

ABSTRACT

The paper examined the need for incorporating social media studies in library schools' curriculum. The paper highlights the following reasons for proposing for the incorporation of Social media studies in library school curriculum: changing information needs of users, technological changes and societal changes. The paper proposes the following areas in social media: information retrieval, marketing library services, electronic reference services, collaboration, dissemination of information, measuring impact and privacy and security concerns. The paper further reveals that challenges such as inadequate research on social

media studies, lack of trained personnel, lack of laboratory and inadequate practical sessions, might hinder effective introduction of social media studies in LIS curriculum. The paper concludes that Head of departments of the various library schools and library and information science associations should identify the loop-holes in the curriculum and review the curriculum to include social media studies. This will enable library professionals to effectively provide library services through social media.

Keywords: Curriculum, Incorporation, Library Schools, Nigeria, Social Media Studies.

AWARENESS AND USE OF INSTITUTIONAL REPOSITORY ON POSTGRADUATE RESEARCH ACTIVITIES IN TWO (2) FEDERAL UNIVERSITIES, NORTH-CENTRAL NIGERIA.

By

Zainab Mohammed¹, Abubakar Usman² and Dr. S. J. Udoudoh³
zainabmohammed001@gmail.com, usmania2018@gmail.com, Sam.udoudoh@futminna.edu.ng
Phone No: +2348125557937, +2348034610338, +2348027707794

ABSTRACT

The paper examined the awareness and use of institutional repository on postgraduate research activities in two (2) federal universities, North central Nigeria. The study was guided by two (2) objectives and two (2) corresponding research questions. Descriptive survey research design was adopted for the study. The population of this study was 10,881 postgraduate students randomly selected from Federal University of Technology Minna, University of Ilorin, Federal University of Agriculture, Makurdi and University of Jos. The sample size of the study was 400 postgraduate students using Taro Yamane Formula. Purposive sampling techniques was used to sample the population for the study. Descriptive statistics such as frequency counts, percentages, mean and standard deviation was used for data analysis. The

findings of the study revealed among others that the level of IR use by postgraduate students especially published articles, conference papers, theses and unpublished articles were rated high, while the use of IR for lecture notes and administrative documents were rated low by the postgraduate students for their research works. The study recommended among others that the management of federal universities where the IR are established should create awareness by organising seminars, workshops and conferences to postgraduate students and other researchers as well on the publishers policy regarding how their research works can be published in the IR

Keywords: Awareness, Institutional repository, Postgraduate students, Research activities, Use.



USE OF SOCIAL MEDIA AS CORRELATES OF SERVICE DELIVERY BY LIBRARY STAFF IN IBRAHIM BADAMASI BABANGIDA UNIVERSITY, LAPAI, NIGER STATE, NIGERIA

BY

Ango, Abubakar Aliyu (CLN)⁽¹⁾
University Library Services

Abubakar Gimba University Library, Ibrahim Badamasi Babangida University, Lapai, Niger State, Nigeria. Email:
aaliyu@ibbu.edu.ng, 07067161904

Adamu, Mohammed Saba (CLN, MNLA, CTN)⁽²⁾
University Library Services

Federal University of Technology, Minna, Niger State, Nigeria. mohd.adamu@futminna.edu.ng, 07037769819

Liman, Amina

limanamina411@gmail.com, 07046061962⁽³⁾
Federal University of Technology, Minna, Nigeria

ABSTRACT

This study investigated the use of social media as a correlate of service delivery among library staff in universities at Ibrahim Badamasi Babangida University, Lapai, Niger State, Nigeria. Four specific objectives with corresponding research questions guided the study. The study adopted a survey research design. The target population for this study was 60 library staff made up of librarians, and library staff at IBB University, Lapai. Since the population was not large, the total enumeration technique was adopted for the study. The instrument for data collection was a self-structured questionnaire. Frequency counts, percentages, mean scores and standard deviation were statistical tools used for data analysis. The findings revealed that the library services rendered were library education, reference services, and library orientation. Results showed that WhatsApp and Facebook were mostly used by the

library staff for service delivery. The study recommended that the university library under study, should provide alternative sources of power supply such as generator sets, inverters, and solar panels should be made available by the university library to enhance the stable supply of electricity. Social media platforms like Blogs, YouTube, Myspace, RSS, Skype, and Flickr for effective library service delivery, funding by government and parent institutions' should be increased to update facilities and resources for ideal service delivery. The result of this study would be of immense benefit to university policymakers, library management, librarians, and library staff in improving library service delivery at IBB University, Lapai and the entire universities in Nigeria.

Keywords: Social media use, Library services, ICT, Librarians, University library



ONLINE DATABASES IN LIBRARIES AS FACILITATORS OF UNDERGRADUATE STUDENTS' OF ENGINEERING SKILLS ACQUISITION IN NORTH CENTRAL, NIGERIA'

JONATHAN, PWAMBODI JULIET ⁽¹⁾

Department of Library and Information Technology, School of Information and Communication Technology,
Federal University of Technology Minna, Niger State.
Email: pjulietjonathan@gmail.com; Tel: 07030936113

GEORGINA, Uche Oyedum⁽²⁾

Department of Library and Information Technology, School of Information and Communication Technology,
Federal University of Technology Minna, Niger State.
Email: georginaoyedum@futminna.edu.ng; Tel: 08105169141

ABSTRACT

In the 21st century modern academic library, there exists a paradigm shift from traditional methods of service delivery to modern and innovative climes. Across all modern libraries, traditional methods are being jettisoned for modern methods of service delivery. This change can be felt even on the services provided by the library. Services such as Information Dissemination, Current Awareness Services and Online Databases are now highly digitized, which is aiding in service delivery. This research, titled, 'Online Databases in Libraries

as Facilitators of Undergraduate students' of Engineering Skills Acquisition in North Central, Nigeria' looks at how the independent variable greatly or adversely affects skills acquisition. Seventy-five (75) questionnaires were distributed to respondents in the Federal University of Technology, Minna, using the survey research method. The responses were measured on a likert scale of 4.0, with 2.5 being the benchmark. From the data collected and analyzed, a number of inferences, conclusions and recommendations were drawn

BOOK RECOMMENDER SYSTEM FOR UNIVERSITY LIBRARIES USING HYBRID COLLABORATIVE FILTERING AND CONTENT-BASED ALGORITHMS.

Umar Baba Umar

Abubakar Tafawa Balewa University, Bauchi
Msc. Management and Information Technology
Librarian I

Umar.umar@st.futminna.edu.ng
09030486562

Aliyu Umar Aliyu

Sokoto State University, Sokoto
Msc. Library and Information Science
Librarian II

Aliyu.umar@st.futminna.edu.ng
07064458449

ABSTRACT

In recent times, it is challenging for university students to swiftly locate the books they desire while choosing books to read due to the expansion of digital library resources. To solve this problem, we proposed the use of a hybrid collaborative filtering and content-based algorithm considering user profiles, User ratings and User interests as crucial measurement indices for the book

recommendation. The findings of the MAE and RMSE experiment analysis demonstrate that the method suggested in this paper converges more quickly than the conventional way.

Keywords: Libraries, Book, Recommender systems, Collaborative filtering, Content-based algorithms



USE OF OPEN-ACCESS RESOURCES AND DIGITAL PLATFORMS FOR EFFECTIVE TEACHING AND PROFESSIONAL DEVELOPMENT OF SCIENCE TEACHERS IN NIGERIA

By

Fatimah Jibril ABDULDAYAN (PhD, CLN)¹

Maryam Mohammed KOLO²

Aishat Haruna ABDULDAYAN (CLN)³

Abu, Samson OKPANACHI (CLN)⁴

^{1,2}Federal University of Technology, Minna, Niger State.

³Kwara State College of Education, Oro.

⁴Federal University of Health Sciences Otukpo, Benue State.

The rapid development in scientific innovation and development will require large-scale professional development for all science teachers. Existing research on effective teacher professional development suggests factors that are associated with substantial changes in teacher knowledge and practice, as well as students' science achievement. But the complexity of the educational system continues to thwart the search for a straightforward answer to the question of how to support science teachers' accessibility of open information resources and professional development platforms. The paper examined the use of open-access resources and platforms by science teachers. The paper is hinged on two objectives. The paper revealed that science teachers can access instruction materials freely, such as textbooks, journals, magazines, and video and audio materials. The open-access platforms that science teachers can access information resources freely include PDF

Books World; Planet ebook; LibriVox; Free-e Books.net; eBookLobby; Online Programming Books; and GetFreeEbooks. The paper also showed the digital platforms where science teachers can access professional development. The digital platforms were Coursera, edX, Udemy, Alison, Udacity, LinkedIn Learning, Skillshare, MIT OpenCourseWare, Connections Academy, Academic Earth, and LessonPaths. The paper concluded that the use of open-access resources and digital platforms is essential for science teachers' pedagogical performance. Therefore, Science teachers should embrace the use of open-access resources and digital platforms for effective teaching activities and professional development.

Key Words: Open Access, Open Access Resources, Digital Platforms, Science Teachers, Professional Development.



USE OF SOCIAL MEDIA AS INNOVATION FOR IMPROVED SERVICE DELIVERY IN NIGERIAN LIBRARIES

Haruna Ibrahim
Niger State Library Board.

By Julius Ali Diko
College Library Complex, Federal College
of Education, Kontagora, Niger State.

ABSTRACT

"Information and communication technologies (ICTs) is defined as a diverse set of technological tools and resources used to communicate and create, disseminate, store, and manage information (Blurton 1999:46). ICTs encompass a range of rapidly evolving technologies and they include telecommunication technologies (telephony, cable, satellite, TV and radio, computer-mediated conferencing, video conferencing) as well as digital technologies (computers, information networks (internet, World Wide Web, intranets and extranets) and software applications (Chisenga, 2006). The key purpose of any library is to provide a quality service: access to relevant information (Buckland, 1992), to computers, information networks and

software applications. These technologies are making it possible for libraries to provide a variety of library and information services to clientele. All the functions and services that academic, public and special librarians used to provide manually can be provided now through the use of ICTs which can do things better and faster. To mention some of the opportunities presented by ICTs to the libraries according to Haliso (2007) and Chisenga (2006) are: Organization of information for use, Capacity building, Management information system, Digital libraries, Resource sharing/document delivery are all window use to create and use social media as new trend which the researcher refer to as bring innovation in the context of his paper.

USE OF ADAPTIVE EQUIPMENT TECHNOLOGY FOR SUPPORTING DISABLED PERSONS IN FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA LIBRARY ENVIRONMENT.

By Okechukwu, Emmanuel Munachi¹, Chuks-Ibe, Prisca Oluchi,² Amina Abubakar Saidu³ and Halima Nene Tauheed⁴
Aminaabubakarsaidu@gmail.com and pochuksibe@futminna.edu.ng^{2 and 3}
Department of Library and Information Science,^{1,2 and 3} Federal University of Technology, Minna,^{1,2 and 3} University
Library Services, FUTMinna⁴

ABSTRACT

The study assessed the use of Adaptive equipment technology for supporting disabled persons in Federal University of Technology, Minna Library environment. The study adopted a descriptive survey design with a population of 96 librarians. Purposeful sampling technique was also used due to the size of the population. Questionnaire was the only instrument used for data collection and the data collected was analysed using frequency tables and simple percentages. The findings revealed that librarians mostly provides library orientation services and registration service for disabled persons to a certain extent while the other

services are largely unavailable in the library, it was also revealed in the study that the required adaptive technologies are largely not available in the library. The study therefore recommended among others that the university library management should endeavor to acquire basic and necessary adaptive equipment technology so they can serve the disabled persons in the library environment. These would be used to support the PWDs to take as much advantage of the library as the able-bodied users.

Keywords: Adaptive equipment technology; Disabled persons, Library environment; FUT



4IR AND INNOVATIVE LIBRARY AND INFORMATION SERVICE DELIVERY IN THE DIGITAL AGE

Muhammad Alhaji Muhammad Enagi, CLN⁽¹⁾
muhamadalhaji55@gmail.com
Niger State College of Education, Minna

Abubakar Muhammed Bida, CLN⁽²⁾
abubakarbidamohsammad@gmail.com
Niger State College of Education, Minna

ABSTRACT

Fourth Industrial Revolution (4IR) was declared by the World Economic Forum' 2017 as the catalyst changing the world, because it is characterised with new technologies that combine the physical, digital and biological worlds that are impacting all disciplines, economies and industries. As the world now moves into the Fourth Industrial Revolution, there is a sense of urgency for libraries to use 4IR technologies for sustainable development, to provide services to improve all library users' quality of life directly or indirectly. Libraries have the opportunity to move directly into the 4IR without going through the previous industrial revolutions. This requires that libraries give a sense of urgency and high priority to the transition into the 4IR. This is already happening in some libraries that are establishing plans and activities

Buhari Yakubu CLN⁽³⁾
Email: buhariy@ibbu.edu.ng
Abubakar Gimba Library
Ibrahim Badamasi Babangida University Lapai, Niger State, Nigeria.

Hauwa Magaji, CLN⁽⁴⁾
hauwamagaji121@gmail.com
Niger State College of Education, Minna

for the Fourth Industrial Revolution. Thus, this paper explores how the 4IR is changing productivity and service delivery in emerging libraries, shining a light on existing and future opportunities for these libraries to harness innovation for sustainable outcomes. Also discussed are concept of 4IR, 4IR technologies, 4IR advantages, 4IR technologies in libraries, challenges and prospect of 4IR in libraries. Recommendations were for the needful to harness innovations in 4IR such as provision of adequate fund, facilities, trainings and enlightenment; need to empower library staff particularly librarians, and also educate users to use emerging 4IR technologies for sustainability in digital age.

Key terms: 4IR, Service delivery, digital age.

WHATSAPP AS A TOOL FOR KNOWLEDGE SHARING AMONG ACADEMIC LIBRARIES IN NIGERIA

- (1.) **Dr. Musa Yusuf CLN**
musa04733@yahoo.com
07035288870, 08065350736
Minna Institute of Technology and Innovation (MITI)
- (2.) **Mohammed Baba Isah CLN**
babaisah62@gmail.com
08034437962
Niger State College of Agriculture, Mokwa.

- BY** (3.) **Balarabe Buhari Umar CLN**
umarbalarabe001@gmail.com
08036083216
College of Health Technology, Minna.
- (4.) **Aliyu Bala Illiyasu**
balanuwa@gmail.com
07038490188
Minna Institute of Technology and Innovation, (MITI).

ABSTRACT

This paper is a critical analysis of WhatsApp instant messaging application as a knowledge sharing tool among libraries in Nigeria. It also stated the usefulness of WhatsApp to libraries in Nigeria, the concept and significance of information, knowledge sharing, WhatsApp used for education purposes. The paper provides a basis and comprehensive guideline for libraries on the way and manners to create and share knowledge through

WhatsApp, it established the existing gap for libraries, the adoption of WhatsApp as a knowledge sharing tool and encourage collaboration as well as cooperation among them. The output serves as an operational guideline for libraries to create, use and manage individuals and groups. The challenges associated with WhatsApp as a knowledge sharing tool and to determine measures for overcoming the challenges were also analyzed.



IMPACT OF LIBRARY AUTOMATION ON SERVICE DELIVERY IN LIBRARIES AND INFORMATION CENTRES

Patience Uloaku Ikegwuro ⁽¹⁾
Research and Technical Services Department, National
Water Resources Institute,
P.M.B. 2309, Mando, Kaduna, Kaduna State.
bankike@yahoo.com

Gbenga Anate Michael ⁽²⁾
Library and Information Science, Bayero University,
Kano gbemigamichael@gmail.com

Rimamatari D. Nyatse ⁽³⁾
Research and Technical Services Department, National
Water Resources Institute,
Mando, Kaduna, Kaduna State.
nyatse21@gmail.com

Mishael. Y. Didam ⁽⁴⁾
Research and Technical Services Department, National
Water Resources Institute,
Mando, Kaduna, Kaduna State.

ABSTRACT

The modern technologies innovation has changed the traditional role of libraries as well as traditional process of library services. Libraries and information centres are witnessing a shifting of paradigm from traditional to automated library services and operations. Clients need not to visit shelf to shelf to find out a document, they just get their documents sitting in front of a desktop. This paper explores the impact of automation on library service delivery. Through critical analysis of literature, the paper gave an in-depth evaluation of the concepts of automation, its needs, purposes and the benefits derive from automating library services which were highlighted thus: effectiveness in library services; improved services to users with reduced time lag, quicker cataloguing of library items; faster

and easier access to library material; improvement in the variety, amount and quality of material that is available in the library's collection; minimizing human involvement in routine chores of the library and making the staff available for more intellectual and humane activities etc. Different forms of software applications packages use in automation for information services delivery and its features were discussed. The paper concludes that automating library services can provide better and innovative services to the library users and can maintain the library more properly than what a manual library can do. Recommendations were made based on the problems highlighted.

Keywords: Automation; Library services; Software packages; Information centres

CLOUD COMPUTING AMONG STAFF OF MANAGEMENT INFORMATION SYSTEMS UNITS OF ACADEMIC INSTITUTIONS

- (1.) **Dr. Musa Yusuf, CLN.**
musa04733@yahoo.com
07035288870, 08065350736
Minna Institute of Technology and Innovation
(MITI)
- (2.) **Mohammed Baba Isah CLN,**
babaisah62@gmail.com
08034437962
Niger State College of Agriculture, Mokwa.

BY

- (3.) **Balarabe Buhari Umar CLN,**
umarbalarabe001@gmail.com
08036083216
College of Health Technology, Minna.
- (4.) **Abubakar Alhaji Mohammed**
alhajim538@gmail.com
08038256557
Fati Lami Abubakar,
Institute for Legal and Administrative Studies,
Minna.

ABSTRACT

This paper attempt to assess the level of awareness and utilization of cloud computing in effective information management among library staff of academic institution. The paper will however cover cloud computing, adoption of cloud computing by

benefits derived from its adoption. It will also cover information management, management information system as well as information systems. Challenges of cloud computing in information management and how to overcome the challenges were also highlighted.



INFLUENCE OF MANAGEMENT AND USE OF RECORDS ON ORGANISATION PERFORMANCE IN LOCAL GOVERNMENT COUNCILS IN NIGER STATE

AHMED GARBA ⁽¹⁾

ahamedgarba@yahoo.com

Library Department

Niger State Polytechnic, Zungeru

ALIYU MOHAMMED GBEDAKO ⁽²⁾

maliyugbedak@gmail.com

Library Department

Niger State Polytechnic, Zungeru

BY **HUSSAINI ABDULLAHI** ⁽³⁾

hussainigabdullahi@gmail.com

Library Department

Niger State Polytechnic, Zungeru

AMOS IBRAHIM LAGADO ⁽⁴⁾

amosibrahim@8080gmail.org

Library Department Niger State Polytechnic, Zungeru

National Water Resources Institute, Mando, Kaduna,
Kaduna State

Didamyashim@gmail.com

ABSTRACT

This study examines the influence of management and use of records on organisation performance in 25 local government councils in Niger state. The study adopted a survey research design. The population of the study consisted of 125 administrative staff of the entire local government. Total enumeration was used. A self-developed questionnaire was the instrument for the study.

The major findings of the study revealed that the records are created in local government and are stored in both manual and electronic forms which make it improper use of records that leads to poor

decision making. It was further indicated that there were insufficient resources in terms of professionally trained records managers, poor retrieval of records and records are not properly organized. Therefore, it was recommended that local government councils should embrace the records management function to ensure its effectiveness, and also professionally trained records managers should be employed.

Keyword: Management, Use of records, Organisation performance, Local government councils and Niger state

CYBER SECURITY IN ACADEMIC LIBRARY UNDER THE 4TH INDUSTRIAL REVOLUTION ERA

Vehe, Emmanuel Tor ⁽¹⁾

Department of Library and Information Service

Benue State University, Makurdi Nigeria

Email: etor@bsum.edu.ng

ABSTRACT

The study examines cyber security in academic library under the 4th industrial revolution era. The study adopted a descriptive survey research design. Area of the study is Benue State University Library and Information Services Makurdi. The population of the study was 84 library staff. The study sampled 30 respondents to collect data. The instrument used for this study is a structured questionnaire. The instrument was administered personally to the respondents by the researcher. In order to minimize loss of questionnaires, all completed questionnaires were collected on the spot. The data collected for this study was analyzed using

BY **Igyuve, Sandra Mwuese** ⁽²⁾

Medical Library,

College of Health Sciences,

Benue State University, Makurdi Nigeria

Email: wuese2005@gmail.com

statistics package for social sciences (SPSS) to generate mean scores and standard deviations. Finding of the revealed that there is no perfect solution for cyber crimes but we should try our level best to minimize them in order to have a safe and secure future in cyber space. Based on the findings, the study recommended that the academic library should be checking the activities of students on the computer to ensure that there are utilizing the right information.

Keywords: Academic library, cyber security, cyber crime



INFORMATION DISSEMINATION BY PUBLIC LIBRARIES FOR SUSTAINABLE MENTAL HEALTH LITERACY AMONG YOUTHS IN RURAL AREAS OF NORTH-CENTRAL NIGERIA

By

JIBRIL, Harithat Oyiza¹ and Prof. G.U. Oyedum²
harithatojibril@gmail.com¹ - mrsoyedum@yahoo.com²
Library and Information Technology Department.
Federal University of Technology, Minna
Phone No: +2348062930302, +2348105169141

ABSTRACT

This paper assessed Information Dissemination for Sustainable Mental Health Literacy among Youths in Rural Areas of North-central, Nigeria. The study was guided by two objectives and two corresponding research questions. Survey research design method was adopted. The total population of the youths under study was 108,737. The sample size of the youth's population was 383 drawn using Gill et al. (2010) sample size table for determining the sample size of a population. Purposive method of sampling was employed to sample 6 participants from the public libraries. Questionnaire, interview schedule and focus group discussion were used as instruments for data collection. Out of 383 copies of questionnaire administered, three hundred and fifty-two (352) copies were filled, returned and used for the analysis. Interview responses and focus group discussion involving 6 librarians and 72 rural youths were also analysed for the study. Descriptive statistical tool involving frequency counts and percentages, mean

and standard deviation, and narrative analysis were used to analyse the data. The findings of the study indicated that mental health literacy among the rural youths of North-central Nigeria is very low. The study revealed further that inadequate library resources in the library is a factor contributing to poor mental health literacy of the youths. The study recommended there should be an intentional effort by information professionals and other stakeholders in creating massive awareness to the rural youths on mental health disorders, the types, symptoms and possible solution. Additionally, the Public Library Board in North-central Nigeria should endeavour to equip the public libraries with adequate information resources on mental health, and should put in place a quality assurance system for the evaluation of information services to the communities they serve.

Keywords: Information dissemination, Mental health literacy, public librarians, Youths in rural areas.



THE USE OF ELECTRONIC INFORMATION RESOURCES BY UNDERGRADUATE STUDENTS OF ADAMAWA STATE POLYTECHNIC, YOLA NIGERIA

By

Buba Yusuf Mahmud, Suleiman Mohammed Sani.
1. Adamawa State Polytechnic, Yola P.M.B 1246 Yola.
2. Adamawa State Polytechnic, Yola P.M.B 1246 Yola.

Phone: 08133319662

E-mail yusufbuba638@gmail.com.

ABSTRACT

The purpose of this study is to know the extent of use of electronic information resources and identify the type of electronic resources used by undergraduate students at the Adamawa state polytechnic Yola, Nigeria. 267 students in 200 levels and above who used the library during the period of the study formed the population for the study. The survey research method was select for the study. A Questionnaire was use as a data collection instrument. Frequency counts and simple percentages were use in

analyzing the data collected. The study revealed that the use of electronic resources has great impact on the academic performances of the undergraduate students of Adamawa State Polytechnic Yola; nevertheless, there is necessary for them to obtain greater skills in the use of electronic information resources.

Key words: Electronic Resources, Undergraduate Students, Adamawa State Polytechnic yola

PRESERVATION OF MULTIMEDIA RESOURCES FOR EFFECTIVE SERVICE DELIVERY IN ACADEMIC LIBRARIES

DR ABUBAKAR N. USMAN

University Librarian

Ibrahim Badamasi Babangida University, Lapai, Niger State
abubakar4usman@gmail.com

ABSTRACT

For some time now, preservation of multimedia media resources has taken center stage due to their nature and importance most especially in tertiary schools. Many initiatives have been implored to save guard these materials for the fact that they capture student's attention

and make learning easier. This paper provides insights regarding not only the needs of having multimedia resources in our academic libraries, but also preservation methods and benefits of having a functional multimedia resources in academic libraries.



ELECTRONIC JOURNAL PROVISION AND USER SATISFACTION AS FACTORS FOR JOB PRODUCTIVITY OF ACADEMIC STAFF IN SELECTED FEDERAL POLYTECHNICS IN NORTH-CENTRAL, NIGERIA.

By

Baba, Patience¹ and Dr. Everest C. Madu²

patiencebaba@gmail.com and mandevamadu@yahoo.com.uk

Library and Information Technology Dept. Federal University of Technology, Minna

Phone No: +2347039238567, +2348055063324

ABSTRACT

This paper accessed electronic journal provision and user satisfaction as factors for job productivity of academic staff in selected Federal Polytechnics in North Central Nigeria.

The study was guided by three objectives and 3 corresponding research results. The objective of the study were to determine the availability of electronic sources of information resources in selected Federal Polytechnic in North central Nigeria, to ascertain the influence of electronic sources of information resources and job productivity of academic staff in selected Federal Polytechnics in North central Nigeria and to access the challenges facing the availability of electronic journals as a factor of job productivity of academic staff in selected Federal Polytechnics in North central Nigeria. The survey research design method was adopted for the study. The total population for the study was 3172 librarians in four Federal Polytechnics in North central Nigeria. The sample size for the study was 346, drawn using Krejcie and Morgan sample table for determining the sample size of the population. Questionnaire and observation checklist were the instruments used for data

percentages, mean and standard deviation were used to analyse the data. The findings of the study reveals that the types of electronics resources of information in the libraries are: e-journals, e-books, e-magazines e-newspapers, online databases, full text (aggregated) databases, indexing and abstracting databases, reference databases ie. (biographies dictionaries directories encyclopaedias images and audio-visual resources. The study revealed further that inadequate funds, inadequate facilities, lack of technical know how, inadequate manpower, erratic power supply, lack of cable internet access and low bandwidth and institutional policies are some of the challenges facing the availability of electronic journals on job productivity of academic staff. The study recommended among others that the polytechnic management in North central Nigeria should increase their acquisition of electronic information resources which have significant influence on academic staff job performance.

Keywords: Academic Staff, Electronic Journal Provision, Polytechnics, Job Productivity, User Satisfaction.



INTEGRATION OF ARTIFICIAL INTELLIGENCE IN ACADEMIC LIBRARY SERVICES

AbdulwasIU Ahmad Ismail ⁽¹⁾
Nigerian Defence Academy
abdulwasIU63@gmail.com, 07064759601

Mahmud Mohammed Aliyu ⁽²⁾
Nigerian Defence Academy
mahmudmohd19@gmail.com, 08037001536

BY

Abduljabbar Tukur ⁽³⁾
Nigerian Defence Academy
abduljabbarKaita@gmail.com, 08161679882

Tikya Wamdeo Ciroma ⁽⁴⁾
Nigerian Defence Academy
twamdeo@gmail.com, 08116065062

ABSTRACT

In this paper an attempt has been made to trace the different applications of Artificial Intelligence to the libraries. The various concepts such as expert system, natural language processing, pattern recognition and robotics and their application to the libraries have enumerated. The paper also discussed the concept of Artificial Intelligence, categories of Artificial Intelligence and types of Artificial

Intelligence. Also the paper discuss how Artificial Intelligence can solved real library problem, how to overcoming barrier to enter the library world. The advantages and disadvantages of Artificial Intelligence have also been highlighted.

Keywords: Artificial Intelligence, Academic Library, Expert System, Natural Language Processing, Pattern Recognition and Robotics

SECURITY POSTURE AND LIBRARY AND INFORMATION CENTRE E-RESOURCES IN HIGHER EDUCATIONAL INSTITUTIONS LIBRARIES IN NIGERIA: AN OVERVIEW.

BY

Mahmud mohammed Aliyu
Nigerian Defence Academy Library

Dr Abdurrahaman Jibril
Department of library and information
science, ABU Zaria
jblibs2014@gmail.com

AbdulwasIU Ahmad Ismail
Nigerian Defence Academy Library
abdulwasIU63@gmail.com

ABSTRACT

Security infrastructure is one of the important parts that any organization must not be compromise and should be considered as an operational enabler. In other word the organization or business plan must be accompanied by security plan, precisely speaking security operation should commence before the actual business operation and also maintain and improve its status. The paper tried to understand the concept of security posture, its components, its important and of course its challenges to organizations, the paper also defined the

concept of library and information center and listed some electronic resources such as: eBooks, e-journals, e-newspapers etc. it also elaborates how security posture affect library and information center and its services, the conclusion was an advice to library and information center management on how to curtail cybercrime on library's e-resources.

KEYWORDS: Security posture, Library, Library and Information Centre and E-Resources,



CREATING AWARENESS, PROVIDING ACCESSIBILITY AND ENSURING THE USE OF ICT FACILITIES IN ACADEMIC LIBRARIES

Mahmud, Adamu ⁽¹⁾

Library Services Department, IBBUL.
adamumahmud109@gmail.com +2348032342243

Ahmed, Yabagi ⁽²⁾

Niger State College of Agriculture Library, Mokwa

ayabagi01@gmail.com +2348063297309
isaomali@futminna.edu.ng²
08033798721

ABSTRACT

Purpose: This study examined the creation of awareness on ICT usage in academic library alongside the provision of accessibility so as to ensure the usage. **Design:** A survey research design was used to select 2726 students from 16 Nigerian federal universities. Two instruments (questionnaire on ICT Awareness, Accessibility and Use) were used to collect data and data was analysed using percentages and Pearson's Product Moment Correlation. **Findings:** The extent to which awareness, accessibility and use of ICT facilities was disappointingly low (weighted average = 2.14). The frequency of the usage of ICT facilities by the undergraduates was low (weighted average = 2.31); that of postgraduates' was adjudged lower (weighted average = 2.12). Major problems students encountered in accessing ICT facilities in their libraries range from inadequate ICT facilities, obsolete ICT facilities, ICT illiteracy, funding issue and erratic power supply, lack of awareness of their availability, internet down time, lack of maintenance, password issues, inadequate skilled staff, awareness of e-resources by the students to epileptic power supply. There is positive, very strong and significant relationship between awareness, accessibility and use of ICT

facilities in academic libraries ($r = .781$; $df = 2293$; $p < .05$).

Research = Implications: The students who were expected to access and use the library's ICT facilities for retrieving their needed electronic information had low level of accessibility to the ICT facilities in most cases, due to lack of awareness. The implication is that it would impede their rate of learning and also affect their general scholarships, particularly now that the whole society is in the information age where students communicate using ICT facilities. The creation of awareness is therefore crucial to informing the students and stakeholders on arrivals and new resources; hence the need for CAS (current awareness service) and SDI (selective dissemination of Information)

Originality/ Value: The study has added to the body of knowledge in the sense that, it points out creation of awareness as a crucial stage in letting target users know of available resources such that they could demand and use the ICT facilities for their scholarships.

Paper type: Empirical research

Keywords: Creating Awareness, Academic libraries, E-Resources, Use, ICT, Accessibility, Students, University Libraries, Academic Libraries, Users.



THE IMPACT OF INFORMATION COMMUNICATION TECHNOLOGY ON TEACHING AND LEARNING AMONG THE ACADEMIC LIBRARIANS OF ADAMAWA STATE POLYTECHNIC YOLA.

By

Umaru Barkindo¹ & Yahya A. Ahmad²

Corresponding E-Mail: barkindo81@gmail.com
08033798721

^{1,2&3} The Library, Adamawa State Polytechnic Yola,
PMB 2146, Yola, Adamawa State.

ABSTRACT

The study looked at “the impact of ICT on Teaching and Learning among the academic librarians of Adamawa state polytechnic, Yola” four objectives were drawn to guide the study. The availability types of ICT facilities in the Academic Library of Adamawa state polytechnic, ascertain whether the ICT facilities in the library are accessible to the academic librarians of Adamawa state polytechnic, and also determine the extent of utilization of ICT resources among the academic librarians of Adamawa state polytechnic. And To determine the problems inhibiting the effective use of ICT in teaching and learning among Academic librarians of Adamawa State Polytechnic, a Survey research method was used with a targeted population of 52 academic Librarians using is questionnaire using descriptive statistics. The major finding of the study is based on the objective used by the researcher. The findings revealed that the available ICT facilities in the Academic Library in SPY include computers, Internet, CD-ROM and satellite. The finding also revealed that the accessible ICT facilities

in an academic library in SPY include online databases, online projects, online technical reports, online newspapers, and E-books/E-journals. Etc. The finding revealed that the utilization of ICT facilities in academic libraries in SPY includes: Education, Communication, Research and Current Information. Lastly, the finding revealed that the problems inhibiting the effective use of ICT facilities in the academic library in SPY include: slowness of the system, inadequate skill on how to use the facilities, networking or connection problems, and power outages and inadequate ICT facilities. The management should have to provide the accessibility of ICT facilities to all users to improve the level of performance of all of its staff and users, also the need to improve the available ICT facilities so that the staff can put more effort into using education, communication and entertainment.

Keywords: Information, Communication, Technology on Teaching, Learning, Academic, Library.



ASSESSMENT OF THE EXTENT THAT STATE UNIVERSITY LIBRARIES IN THE NORTH WEST ZONE OF NIGERIA HAS IMPLEMENTED CULNU STANDARDS ON LIBRARY PERSONNEL

By

Maduagwu, K. Lilian

Department of Library & Information Science
Waziri Umaru Federal Polytechnic, Birnin Kebbi

lidagold@yahoo.com

Phone No: +2348062930302, +2348105169141

ABSTRACT

The extent to which State University Libraries in North West Zone of Nigeria, has implemented CULNU standards on Library Personnel was assessed in this study. The study was guided by one objective which is to assess the extent of implementation of CULNU standards on Library Personnel in State University Libraries in North West Nigeria. Related literature were reviewed. Some of the literature were very similar while some had just little similarity. The study adopted descriptive survey research design to collect the necessary data for the study. Examined the implementation of CULNU standards in the state university libraries under study. The major research instrument for this study was the questionnaire. The data collected was analyzed using statistical analysis of four point rating scale to determine the means of score of the respondents. The

findings of the study show that State University Libraries in the North West Zone of Nigeria has greatly implemented CULNU standards on Library Personnel. More than 50% of the items listed has been considered. This the researcher gave kudos to the libraries for the efforts made so far to this extent. The major area where all the libraries were lagging behind was on the area of the standards on professional ratio to non professional, number of staff to enrolment and number of professional staff to enrolment. The study recommended that the Libraries should try to balance up the ratio suggested by CULNU for staff and students as this will make for better service delivery and also that academic library staff should always be made to be part of academic bodies in the institution.

Key words: CULNU, Library Personnel, Implementation, State University Libraries, North West

LIBRARY AND INFORMATION TECHNOLOGY PROCESSING SKILLS FOR ENTREPRENEURSHIP IN NORTH CENTRAL NIGERIA

By

Musa, Baba Adamu, Abdulkadir, Mustapha Gana, Ndagi, Saidu Sonfada and Jibril, Attairu Alhassan

University Library Services, Federal University of Technology, Minna, Niger State.

E-mail: adamu.musa@futminna.edu.ng, musa.abdulkadir@futminna.edu.ng,

saidu.ndagi@futminna.edu.ng andj.alhasan@futminna.edu.ng

ABSTRACT

Entrepreneurship skills provide individuals with the training required to eradicate poverty and unemployment. This has been graced by all categories of discipline including library and information studies which has received global attention. This study is to investigate entrepreneurial practice of library and information technology/science graduates in North Central, Nigeria. Descriptive research design was adopted for the study, the sample for the study consist of 250 graduates of library and information technology/science, questionnaire was used for the collection of data. The result of the study indicates that entrepreneurial practice of library and information technology/science in North Central,

Nigeria, includes indexing, abstracting, online database management and online reference services, online cataloguing and bibliographic services and computer/internet applications. (28.5%) indicated in indexing and abstracting, (35.5%) indicated online database management and online reference services and (36%) computer/internet applications and online cataloguing/ bibliographic services. The study also shows that there are different entrepreneurial skills in library and information technology/science education based on gender and cadre. Based on the findings the researcher discuss the implication with respect to the development of library and information technology/ science



ETHICAL ISSUES IN MANAGEMENT OF BIG DATA IN LIBRARIES AND OTHER INFORMATION CENTERS

BY

Abubakar, Fati (M. Phil)¹ (fati.abu@futminna.edu.ng); Musa Hussaini PhD²

hussaini.musa@futminna.edu.ng & Musa Imam Shakarau³ musa.imam@futminna.edu.ng

^{1, 2&3} *Federal University of Technology, Minna, Niger State, Nigeria*

ABSTRACT

The increase advancement in information technology has increase the popularity of big data, this paper address some ethical issues that arise from the management of the big data in library and information centres with a view to ensuring that big data are managed professionally. The paper explains the concept of big data to mean any data whose volume is large and is sourced from various origins for multiple uses. big data has many benefit to the society are and have brought a significant improvement in the processing of information for research and policy uses, however, it is worthy of mention that the digitalization of data has its own risks and harbors certain challenges which can affect the quality of data itself, some challenges face by researcher and policy makers when utilized big data in library and information centres; User Privacy and Information Security Issues. Equal and Free Access to Information. Abused of Network Technology. Ethical Governance, Awareness concerns what individuals know and understand about big data analytics practices and decision making concerns the processes and outcomes of decisions that Library and information centres make using big data analytics. Some of the roles of librarians and information professionals as data ethicists; Data advisor/consultant – dealing with queries about data access, privacy/protection, sharing, and use at reference desks or point of need, Data literacy educators – extending information literacy instruction to data use in

diverse contexts: learning, the workplace, and everyday life, Cross-cultural mediators – anticipating cultural differences and alerting stakeholders to issues arising from plural and conflicting values. Some components of ethical competence for library and information practitioners are Ethical sensitivity, Ethical knowledge, Ethical reflection, Ethical decision-making and Ethical behavior. Competencies for data ethicists; some of the competences for data ethics identified are; Awareness of big data trends and developments, Knowledge of key ethical principles, codes and policies, Moral sensitivity, judgment, motivation, and character. The education expected of data ethicists; Guided reading, listening, and viewing, Blog posts, Books, Journal articles, Magazine features, News stories, Video, Case studies/reports/materials, Original or published sets of paradigmatic cases for analysis and discussion, with questions and/or commentaries to encourage critical reflection. Framework for Ethical Decision Making which among others includes; Recognize an Ethical Issue, Get the Facts, Evaluate Alternative Actions, Make a Decision and Test It, Act and Reflect on the Outcome. In conclusion, big data ethics is an important issue in the research field of library and information management, in the era of big data, the establishment of scientific and effective network ethics for the network, ethics construction plays a very important role.



DATA MANAGEMENT IN THE ERA OF INFORMATION AND COMMUNICATION TECHNOLOGY: LIBRARIANS CAN MAKE A DIFFERENCE

BY

Dr Ilo, Promise I. ⁽¹⁾

Nnamdi Azikiwe Library
University of Nigeria Nsukka
Email:
promise.ilo@unn.edu.ng

Ezugwu, Cletus O ⁽²⁾

Nnamdi Azikiwe Library
University of Nigeria Nsukka
Email: cletus.ezugwu@unn.edu.ng

Nwachi, Chiegonu B. ⁽³⁾

(corresponding author)
Nnamdi Azikiwe Library
University of Nigeria Nsukka
Email: chiegonu.nwachi@unn.edu.ng

ABSTRACT

Data management is an administrative process that includes acquiring, validating, storing, protecting, and processing required data to ensure the accessibility, reliability, and timeliness of data for information nation users. Across the world, organizations, institutions, and governments are increasingly recognizing the importance of data management, documentation, curation and preservation of research data. Data management activities ensure long-term value and utilization of research data for new analyses and replication of study findings. While some institutions and agencies are good at collecting data, they are not managing it well enough to make sense of it. Collecting data is not enough. Institutions and organizations need to understand from the start that data management and data analytics will be successful when they first put some thought into how they will gain value from their raw data. They can then move beyond raw data collection with efficient systems for processing, storing,

and validating data, as well as effective analysis strategies. The invention of computers by Charles Babbage and other technologies such as printing press by Johannes Gutenberg gave a face lift to libraries, librarians and librarianship in general. Libraries in an attempt to respond to change and growth based on the fifth law of librarianship introduced the use of computers and other technologies into their day –to-day operations. Librarians as the gatekeepers of information are major in information repackaging, hence agencies and organizations need to constantly collaborate with them. Librarians use ICT to manage library users' desk, help in circulation, registration of users and processing of books, information repacking and information brokerage. The paper therefore looks into the ways librarians can make a difference in data management in this information oriented society.

Keywords: Data Management, Librarians, information Repacking, ICT, Library Operations and services



MOTIVATIONAL INDICES AND JOB PRODUCTIVITY OF LIBRARY STAFF IN NIGER STATE COLLEGE OF NURSING SCIENCES

BY

LUBABATU IBRAHIM (MRS.)
NIGER STATE COLLEGE OF NURSING SCIENCE,
SCHOOL OF MIDWIFERY, MINNA.
08036110048 Email: lubabatuagaie@gmail.com

SAIDU NDA ABUBAKAR
NIGER STATE COLLEGE OF NURSING SCIENCE,
SCHOOL OF MIDWIFERY, MINNA.
08036835692 Email: nda.saidu@gmail.com

MAIMUNA M. AHMED (MRS)
NIGER STATE COLLEGE OF NURSING SCIENCE, MINNA
08038273322 Email: Muna.ahamed@ymail.com

ABSTRACT

This paper assessed the motivation and job productivity of library staff of Niger State College of Nursing Science Libraries at Minna, Bida and Kontagora. The main objective of the study is to determine the motivational indices used in the college libraries. Survey/Descriptive research methods were used with a population of 54 personnel. In view of the size of the population, total enumeration of library personnel was adopted so there was no need for sampling. Data collection was through questionnaire and data were analyzed using frequency distribution and percentages. The findings revealed that

the motivational indices used were financial reward, staff promotion and training, communication system, opportunities, flexibility, social events and improved working conditions. The study further revealed that staff training and social events were the most effective motivational indices. Many motivation indices were not adequately used thereby lowering the job productivity. The study recommends the adoption of all the motivational indices to the management of NSCNS varying them to suit individual staff needs.

Keywords; Motivation, Job Productivity and Library Staff

TRANSFORMING ACADEMIC LIBRARIES INTO AN INTERACTIVE STEAM LEARNING ENVIRONMENT IN KANO STATE UNIVERSITIES

By

Binta Farouk Ladan¹ & Rilwanu Adamu²

^{1&2} Sule Hamma University Library,
Yusuf Maitama Sule University, Kano

Corresponding Email: bfladan@yahoo.com
08067770594

ABSTRACT

The study sought to investigate university librarians' opinions on planning and developing a makerspace in their academic libraries. Makerspace is a term used to describe a physical space in the library, that adopts a specific interest for its patrons in the goal of sharing knowledge and resources and working on projects. The study adopted qualitative research methodology using a non-probability sampling technique applying purposeful sampling in which the researchers selected individuals and sites to understand the central phenomenon through the use of electronic mail (e-mail) interview. The participants comprise University Librarians drawn from the six (6) universities within Kano State in-respective of their status. Completed interview forms were extracted and coded. Thematic analysis technique was used in analyzing the interview text of the participants. The

findings revealed that the participants understand and know the concept of makerspace; academic libraries can support new literacies and skills as enshrined in STEAM education; University Librarians are willing and ready to support the establishment of makerspaces in their academic libraries. More so, findings from the study revealed that even though the libraries have infrastructure and equipment, the participants did not have any formal plan or space for makerspace in their libraries; there is a lack of funds, space, skilled librarians and interest/ resistance to change by library staff, incessant power outage affecting the establishment of makerspace in universities in Kano State. Thus, recommendations were made in line with the findings.

Keywords: Makers-space, Creative-Spaces, Academic Libraries, STEAM, & Education.



INFORMATION AND COMMUNICATION TECHNOLOGIES: AN ENABLER FOR RESOURCE SHARING IN LIBRARY MANAGEMENT

BY

Peter Olubunmi OLUBIYO, College Library,
Adeyemi College of Education, Ondo, Nigeria.
+2348166392038, olubiyopeter@gmail.com

ABSTRACT

Resource sharing is nothing but sharing of library resources by certain participating libraries among themselves on the basis of the principle of co-operation for library management. This is applicable in sharing of documents, manpower, services, space and equipments. Increasing cost of books and subscribing periodicals, high cost of new technology for information processing and dissemination are some of the fundamentals factors which require information resource sharing among the libraries and information centres through the use of Information and Communication Technologies. Resource Sharing aids to overcome the limitations like enormous cost of purchase, bibliography handling and

storage of material as a result of the exponential growth in the information produced. The paper concludes that government should earmark appropriate funds for the purchase of information technologies facilities needed by libraries for resource sharing. The work further recommends that libraries should formulate effective policies that will ensure library resource information sharing is properly conducted for library management.

Key Words: Information and Communication Technologies, Resource Sharing, Library Management



CHALLENGES AND PROSPECTS OF LIBRARIES AND LIBRARIANSHIP IN THE DIGITAL AGE

By

Isa Abubakar Sadeeq, CLN and Shafi'u Garba Makeri

Pyramid College of Health Sciences and Technology, Kano

Corresponding Email: iasadeeq22@gmail.com

ABSTRACT

The world has practically gone digital as almost everything has moved from analogue to digital. Courtesy of the digital age, library users' information needs and preferences are helping to drive the change in libraries and librarianship. With Internet access and electronic reading devices, visiting the library is no longer a necessity for today's patrons. Patrons now expect to be able to access information around the clock, from almost anywhere in the world and through a growing number of devices, from computers to phones. As information technologies are changing day-to-day and growing at a tremendous speed, the knowledge society is becoming more complex, competitive and dependent on technological changes and information explosion. The use of these digital technologies by libraries and librarians will provide an opportunity

for cost, effective and timely access to a broad range of information resources and services and enhance communication and collaboration. Though digital age is providing lots of new opportunities for libraries and librarianship in the areas of expanded access through information sharing, turning libraries into technology hubs, global access to library resources and services and use of radio frequency identification (RFID) to secure library resources among others. Nonetheless, some challenges are being faced by libraries and librarianship such as poor internet infrastructure, information privacy and security issues, copyrights and insufficient digital local content.

Keywords: Digital Age, Libraries, Librarianship, Challenges and Prospects



**COMMUNIQUE ISSUED AT THE END OF A 4-DAY ANNUAL CONFERENCE/
ANNUAL GENERAL MEETING OF THE NIGERIAN LIBRARY ASSOCIATION
(NLA), NIGER STATE CHAPTER, HELD AT THE IBRAHIM BADAMASI
BABANGIDA UNIVERSITY (IBBU) GUEST HOUSE MINNA, BETWEEN THE 4TH -
9TH OF DECEMBER 2022, WITH THE THEME: “EXPLORING INNOVATIVE
LIBRARY AND INFORMATION SERVICES IN THE DIGITAL AGE”**

Overview

The conference had a turn-out of participants from diverse Institutions in Nigeria and outside the country. The conference keynote speaker was Professor Abu Adamu Kasim, the Vice-Chancellor of the Ibrahim Badamasi Babangida University Lapai, Niger State who was ably represented by the Deputy Vice-Chancellor (Administration) of the institution, Professor Hassan Ibrahim at the occasion.

The opening ceremony started at about 10:00 am with over 250 attendees including the paper presenters, members of the Niger State Chapter of the NLA, the media (both print and non-print), the first awardee, Professor Dantani Ibrahim Wushishi, the Registrar/Chief Executive Officer of the National Examinations Council (NECO), ably represented by Mr Mike Okei; the second awardee, Hon. Abdulsalam M. Madaki, who is the Deputy Chairman of the All Progressives Congress (APC) in Niger State with a crowd of his entourage and political friends, and an influx of many guests. Prof Wushishi was awarded Vanguard of Education and Library Development in Niger State while Hon Madaki was awarded the NLA Niger Ambassador of the Year 2022. The event was a very robust and lively engagement of intellectuals and practitioners in the field of Librarianship, Information Science, Records and Archives Management.

The opening remark was issued by the Chairperson of the Niger State Chapter of the NLA in the person of Dr. Fatimah Jibril Abduldayan, who thanked the IBB University for hosting the conference. Further, she appreciated the constant support that Prof. Wushishi and Hon. Madaki has been giving the

Association since the assumption of the present ExcOs to office. Also, the Chairperson expressed her delight at the presence of all the dignitaries that created time to witness the event and highlighted the reasons for choosing the theme of the year 2022 conference.

The National President of the Nigerian Library Association, Mr Dominic Omokaro (FNLA, CLN) sent in his goodwill message for the event. In his remarks, he asserted that the theme for the conference was very timely and auspicious for the LIS profession. Further, he stated his desire for all the participants at the end of the conference to be able to leverage the skills learnt to improve the delivery of effective and efficient services at their various workplaces.

The Exco were very much displeased by the attitude of some of the Commissioners in the State that were invited but failed to show up or send a representative. Nonetheless, the conference was declared open at about 1:25 pm while a Vote of Thanks was given by the Chairman, the Local Organizing Committee (LOC), Mallam Aliyu Ango of the IBB University Library, Lapai. Afterwards, participants proceeded to have a group photograph and lunch was served.

The Communique

Over the period of the event, a total of thirty-seven (37) papers were presented both on-site and virtually and participants at the conference agreed that:

1. There should be consistent and adequate funding to cater for information resources, ICT facilities, electricity, enlightenment/user education, training and staff welfare in all types of libraries and information centres in Nigeria.



2. Social media studies should be incorporated into the curriculum of library schools and the use of social media platforms like YouTube, Blogs, MySpace, Facebook, Skype, Flickr etc should be adopted for effective library service delivery in libraries and information centres in Nigeria.
3. Academic libraries in Nigeria should establish and enhance the provision of specialized information services to People With Disabilities (PWDs).
4. Libraries in Nigeria should embrace the concept of Maker-Spaces and establish them in their respective domains.
5. Libraries in Nigeria should embrace the use of Consortium/ Resource sharing practices to relieve them of the burden of the enormous cost of continuous acquisition of information resources thereby impacting positively libraries' budgets.
6. Science teachers in Nigeria should embrace the use of Open-access resources and digital platforms for effective teaching activities and professional development.
7. Academic libraries in Nigeria should adopt cyber security measures to ensure proper monitoring of users of ICT facilities in the libraries. By so doing, it would be the use of such facilities for cyber and other related crimes.
8. Librarians in the digital age should intensify their technological skills,

K. I. El-Kalash
Secretary,
NLA, Niger State Chapter,
12/12/2022

knowledge and research on the increasing trends and integral components that make up the Fourth Industrial Revolution (4IR) and adopt these trends into library routines and operations.

9. Public libraries in Nigeria should intensify efforts at creating massive awareness among the rural populace on the causes of mental disorders. More so, there should be quality assurance mechanisms to assess the information services of public libraries to their host communities.
10. Stakeholders of the education and information sector should tighten their belts at ensuring that they collaborate with the NLA towards enhancing an informed and knowledge-based economy.
11. Niger state government and other stakeholders should take a holistic approach to revamp the Niger State library Board Minna to restore its lost glory.

Appreciation

The entire Exco expresses their profound gratitude to God for giving them the grace to conduct a hitch-free event. The awardees are very much appreciated for their constant support of the growth and development of the Association. Also, the entire Management team of the IBB University Lapai are truly acknowledged for their support. Finally, we thank all those that presented their papers both on-site and virtually and all other invited and non-invited guests. Thank you.

Kasim, Muhammad Bala (CLN, MNLA)
University Library Services,
Federal University of Technology, Minna

