INFORMATION COMMUNICATION TECHNOLOGY SKILLS ON STUDENTS USE OF LIBRARY RESOURCES IN FEDERAL POLYTECHNICS IN NORTH-EAST, NIGERIA

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Abstract
This study investigated Information Communication Technology (ICT) skills on students use of library resources in federal polytechnics in North-east, Nigeria. Three research questions guided the study in line with the research objectives. The study adopted descriptive survey research design. The study population comprised one thousand HND students that registered with polytechnic librares in North-east, Nigeria with sample size of 500 HND students. The study employed multi-stage sampling technique to determined the sample size. A structured questionnaire was the instrument for data collection. Data were analysed using frequency counts, percentage and mean with criterion mean of 2.50 benchmark. Findings revealed that the extent of the use of library information resource by students was high; possession of ICT skills had a high influence on students use of library information resources and there is a significant influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria. Based on the findings, the study concluded that majority of the repondents used printed information resource than the electronic resources in federal polytechnics in North-east, Nigeria. The study recommended that the management of the polytechnic libraries in North-east, Nigeria should leverage on the ICT skills possessed by the students to put in place services that would facilitate the use of electronic resources in federal polytechnic libraries studied.

Keywords: *Federal Polytechnics, ICT Skills, Use of Library Resources, , North-East, Nigeria*

Introduction

Use of library information resources involves utilizing various materials by patrons available in the libraries to support research, education, and personal enrichment. These library resources include books, electronic database, journals and multimedia materials. Users can access these resources to find information, conduct research, enhance their knowledge and complete academic

or personnel projects. Library information resources are typically organized by librarians and made available to help users locate the information they need. By effectively using library information resources individual can broaden their horizons, stay informed and engage in lifelong learning. Innocent (2022) stated that the use of library and information resources is very important as to the research output of researchers in universities, because it is perceived that the use of these resources may contribute to the research output and the development of the nation at large. Consequently, Mwalukasa (2022) asserted that the use of information resources in libraries help to fulfill the objectives of establishing the university and these enables the university library supports to accomplishment of the main objective of higher learning institution in provision of high quality education.

Information and Communication Technology (ICT) refers to technology that provides access to information via telecommunications devices and infrastructure. ICT is the coming together of computing, telecommunication and broadcasting technologies to produce information. Example of computing technologies are the computers and their accessories, telecommunication technologies include: telephone, facsimile, fax, e-mail while the broadcasting technologies include: radio, television, video. ICT can also be defined as the science of information processing which deals with the use of computer and other electronic devices to collect, process, store, retrieve and transmit or disseminate information to any part of the world (Adamu, 2023). Similarly, Chaudhar and Bhoye. (2024) asserted that Information and Communication Technology (ICT) in libraries is the application of digital equipment to all aspects of library work. It is the type of technology that links the computer to global computer network to make it possible for users to access information.

Information and Communication Technology (ICT) skills could be viewed as the overall competencies, knowledge, abilities and technical know-how needed to create, save, analyse, organise, retrieve and disseminate digital information such as images, text, sounds and graphics in digital libraries or any other type of information. ICT skills are those skills that enable an individual to use computers, software applications, databases and other technologies to achieve a wide variety of academic work-related and personal goals. ICT skills is the proficiency to use computers, software and related technologies to perform specific tasks in order to provide information, generate knowledge and solve attendant problems (Ocheni *et al.,* 2023). Similarly, Amir and Yuliartini (2024) defined ICT skills as the ability to effectively use technology to access, analyze, evaluate and create information available online, communicate effectively and lavage technology for various purposes. The provision and use of ICT is part and parcel of the entire system, include education, business, hospital, postgraduate research, information professional staff and researchers. It is one thing to recognize the importance to ICTs and another to know if they are effectively used by students. ICT were to be effectively applied directly or indirectly on the utilization of information resources, as such skills are required for the opretion. Liesa-Orús *et al.* (2020) stated that ICT skills are one essential requirement for one to operate in the technology society of the 21st century. Ahmed and Sheikh (2020) described ICT skills as the abilities for the collection, effective processing, storing transmitting and dissemination of information which enables the use of computer and related technologies to meet personal academic and labour market objectives. An ICT skill of a student is a relative measure of the student capacity to make appropriate use of ICT device or equipment's. ICT skills are required to critically evaluate

information content and explore it effectively, as well as understanding the technology infrastructure on which information transmission is based (Saikkonen and Kaarakainen 2021).

There is every tendency that the capacity of a library user to exploit ICT related information resources in any institution library such as polytechnic library will depend on the level of his/her ICT skills possession, education and mastery of the technologies involved. Thus, it is against this backdrop that the researcher intends to investigate Information Communication Technology skills on students use of library information resources in federal polytechnics in North-east, Nigeria.

Statement of the Problem

The use of the library information resources is crucial for continue existences of the library. It helps in the conduct of research, gaining of knowledge and accessing of a wide range of learning materials. Libraries provide a vast collection of books, journals, magazines, newspapers, and other resources that can support individuals in their academic studies, professional development, or personal interest. The regular or frequency use of the library resources would help users improve their reading and comprehension skills. Preliminiary investigation showned that polytechnic libraries in North-east, Nigeria are always full to their capacity during examination periods but experience low patronage when the examinations are over.

Extant literature has shown that majority of students in tertiary institutions in Nigeria does not make good use of library information resources as evident by Issa *et al.* (2024). Mashaba and Pretorius (2023) equally reported that students in Nigerian tertiary institutions under use the library information resources (both print and electronic) as this could result to poor academic performance. Poor academic performance is as a result of poor knowledge acquisition which inventionally leads to not meeting society's requiremet for emplyment, poor standard of living, non-measuring up in the society and bad behaviour such as stealing, lack of user education programmes and inadequate possession of ICT skills by students of federal polytechnics in North-east, Nigeria. To address this research concern, the researchers investigated Information Communication Technology skills on students use of library resources in federal polytechnics in North-east, Nigeria.

Objectives of the Study

The objectives were to:

1. determine the extent of use of library information resources by students in federal polytechnics in North-east, Nigeria;
2. ascertain how possession of ICT skills influence the use of library information resources by students in federal polytechnics in North-east, Nigeria;
3. determine the significant influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria.

Research Questions

The following research questions guided the study:

1. What is the extent of use of library information resources by students of federal polytechnics in North-east, Nigeria?
2. How does the possession of ICT skills influence the use of library information resources by students of federal polytechnics in North-east, Nigeria?

3. Is there any significant influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria?

Literature Review

Library information resources refers to various information materials that are available in the libraries to support teaching, learning and research. These resources include: Print materials such as Books, Journal, Magazines, Newspaper, and Reference materials, digital materials such as Electronic Books, Online Databases, Electronic Journals, and Digital Archives, Multimedia; DVD, CD, Audio books, and other Audio-visual materials, Special Collections; Rare books, Manuscripts, and Unique archival materials. These resources are collected organized and made accessible to the library users to support their research, study, and information needs. (American Library Association, 2020).

Ilesanmi (2023) conducted a study to examine librarians' ICT skills and service delivery in private universities in Nigeria. The study was guided by three research questions in line with the research objectives. The study adopted survey research method. The population of the study comprised 181 librarians in the 45 private universities in Southern, Nigeria. Data collection instrument was questionnaire. Data was statistically analysed using frequency counts, percentage, mean and chart. Findings revealed that librarians delivered various library services to their users, acquired basic ICT skills and were versatile in its application for Internet searches, information retrieval, social communication and Microsoft-office related activities with the exception of programming skills. Majority of librarians acquired their ICT skills through self-learning. The study concluded that acquisition of ICT skills by librarians is relevant to their delivery of improved library services. The study recommended that regular acquisition of relevant ICT skills is essential for librarians and university management should support librarian's ICT capacity development at national and international levels as this would enhance their relevance and get them abreast of the latest development for effective service delivery.

Oyeyemi (2022) conducted a study to investigate the impact of ICT on academic performance of students at the Federal Polytechnic, Idah, Nigeria. The study was guided by four research hypotheses in line with research objectives. The study adopted descriptive survey research design. The population of the study comprised 500 library users with sample of 250 users. Data collection instrument was structured questionnaire divided into two sections A and B. Data collected were statistically analysed using simple percentages and hypotheses were inferentially analysed using chi-square. Findings revealed that there is significant relationship between the ICT facilities available for use and users, no significant relationship between the ICT tools and the purpose of use, there was a significant relationship between ICT tools and means by which the students accessed it for use and there was very high relationship between the use of ICT tools and the problem, ICT facilities and purpose of use has composite impact or influence of 51.2 % on academic performance. The study concluded that there was low level of use of ICT facilities. The study recommended among other things that effort should be intensified to create thorough awareness on the integration of ICT facilities into curricula activities in our various schools, and training retraining programme should be organised consistently for information managers to improve and update their knowledge on ICT facilities.

Onyenachi *et al.* (2021) conducted a study to investigate the use of ICT in university libraries by undergraduate students: A case of Abia State University, Uturu, Nigeria. The study was guided by three research questions in line with the research objectives. The study adopted descriptive survey design. The population of the study comprised 3770 registered undergraduate students in the library while 10% of the population which is 377 was the sample size used for the study. Data collection instruments were questionnaire and observation checklist. Data was statistically analysed using mean rating at 2.50 as benchmark. The result showed that computers, Wi-fi, interrupted power supply, CD-ROM, computer networks were available while printers, scanners, modem and photocopiers were not available. Inadequate ICT equipment, inadequate access to compatible software facility and lack of skilled ICT personnel were found to be the challenges. The study concluded that adequate funding of university libraries as to purchase adequate ICT facilities, recruitment of skilled staff, easier accessibility to compatible software facilities, training and retraining of library staff, faster pace of Internet connectivity will increase the use of the ICT facilities in the library. The study recommended among other things that printers, scanners, modem and photocopiers should be made available, adequate ICT equipment be made available, access to compatible software facilities be made available and skilled ICT personnel should be made available.

Akanbe *et al.* (2021) conducted a study to investigate the influence of information and communication technology on library use by undergraduate students at the University of Ilorin, Nigeria. Descriptive survey design was adopted for the study. The study was guided by five (5) research question in line with the objectives. Random sampling technique was used to select a sample size of 100 undergraduate students of four selected faculties in the university were selected to be the respondents; A structured questionnaire was use as the instrument for data collection. Data was analyze using frequency, percentage, mean and standate deviation. Findings revealed that the undergraduate students of the university can make use of ICT tools without any difficulties and they are well informed when it comes to ICT gadget usage in University of Ilorin library, The undergraduate students have easy accessibility to electronic resources in the library with ICT tools and library operations, it encourages current information and improve ICT skills of student, among others. The challenges are outdated library software, poor internet connectivity and restriction from usages of ICT gadget in the library. The study concluded that user education programme significantly influenced the use of electronic resources by the undergraduates. The study recommended that, there should be stability of power and availability of internet service within the library and the campus.

Akanbe *et al* (2020) conducted a study to investigate the influence of ICT skills on library information resources utilization by undergraduate students in two universities in South-west, Nigeria. Descriptive survey research was adopted for the study. From a population of 32,419 undergraduate students in the University of Ibadan and the Obafemi Awolowo University, Ile-Ife, a multi-stage sampling technique was used to select 407 respondents. Questionnaire was the instrument used for data collection. Descriptive statistics such as frequency, percentage and mean distribution were used to analyze the data collected. Pearson's correlation coefficient was used to test the hypotheses at 0.05 level of significance. Findings of the study showed that ICT skills possessed by the undergraduate students were high, the extent of library information resources utilization by undergraduate students was generally low; however reference materials and monographs/textbooks were highly utilized. The result also revealed that there was significant

positive correlation (r = .383**; p< 0.05) between ICT skills and library information resources utilization. Thus, The study concluded that ICT skills of undergraduates has a positive influence on the utilization of library information resources, especially when the information resources requires the application of ICT directly, the study recommend that the management should provide ICT facilities in the library and the provision of power at all time.

Sahabi and Omagbon (2020) conducted a study to investigate the undergraduate students' use of electronic information resources and information literacy skills in university libraries in Nigeria, The survey research design was employed and the study was guided by five (5) research questions inline with the research objectives. The instrument used for data collection was the Questionnaire. Simple tables and percentages were used to analyze the data collected. Findings revealed that University Libraries automated/computerized apply Strategic Library Automation Management (SLAM); only three divisions of the libraries are computerized/automated which are Readers Services Division, Technical Services Division and Collection Development division; the major reason attached to the use of ICT resources was for information storage and retrieval; the ICT resources mostly used are CD-ROM, online database, World Wide Web and the Internet. The study equally revealed that ICT has an enormous impact based on its effectiveness. Inadequate training and retraining of staff by management; inadequate funding, epileptic power supply and lack of search skills were the major factors militating against the effective use of ICT in Nigerian University libraries. The study concluded that ICT has fulfilled its promise in academic libraries and there is a remarkable rise in the use of ICT which, many of the libraries activities are now ICT driven. The study recommend that there should be an adequate funding of the libraries, capacity building, and regular power supply in the libraries so that the ICT devices can be utilized at all time.

Idakwo *et al*. (2018) conducted a study to investigate the application of information and communication technology in circulation operations in selected Federal University Libraries in North-Central, Nigeria. The study was guided by five research questions in line with the research objectives. The study adopted survey research design. The population of the study comprised 30 circulation staff of University of Ilorin, Federal University Lokoja and University of Abuja Libraries. The instrument used for the study was a structure questionnaire. Data collected were analysed using simple percentage. Findings of the study revealed that ICTs are utilised in circulation operations in the federal university libraries; ICT devices are available for circulation operations in the libraries among others. The study recommended that government should endeavour to provide adequate funds for procurement of ICT facilities for university libraries to enhance automation of circulation operations and university management should engage the circulation staff on continuous ICT training through organised seminars and workshops and among others.

Methodology

This study adopted descriptive survey research design. The descriptive survey research design was used because it is a survey type of research that is characterized by population and sample as well as the use of data collection instrument. The study population comprised one thousand (1,000) Higher National Diploma (HND) students that registered with libraries in federal polytechnics in North-east, Nigeria as at 2024/2025 academic session. The sample size was 500 registered HND students with polytechnic libraries and was determined using 50% sample fraction. A close-ended

structured questionnaire was the instrument for data collection. Data were analysed using frequency counts, percentage and mean with criterion mean of 2.50 benchmark. Weighted mean above or equal to the criterion mean scores were considered high extent or positive influence while weighted means below the criterion mean scores were considered low extent or negative influence. The draft copies of questionnaire were validated by four lecturers in the Department of Library Information Science and two experts from Department of Test and Measurement all from Federal University of Technology, Minna for correctness and appropriateness of the language used, whether it is suitable and appropriate to answer the research questions of the study. The researchers administered 30 copies of the questionnaire to HND students in federal polytechnic, Bida and federal polytechnic, Kaduna for pilot testing using test re-test method. The overall reliability coefficient was 0.88 indicating that the instrument is reliable and excellent. A total of 500 copies of questionnaire were administered to HND students and 482 copies of questionnaire were retrieved representing 96.4% response rate.

Results

Research Question One: What is the extent of use of library information resource by students in federal polytechnics in North-east, Nigeria?

Table 1: Extent of use of library information resource by students in federal polytechnics in North-east, Nigeria

S/N	Statement	VHE (4)		HE (3)		LE (2)		VLE (1)		N	FX	Mean	Decision
		Fq	%	Fq	%	Fq	%	Fq	%				
1	I use the textbooks in my institutional library for assignment.	267	55.4	188	39.0	27	5.6	0	0	482	1686	3.49	**High**
2	I use the electronic books in my library for seminars.	160	33.2	157	32.6	32	6.6	133	27.6	482	1308	2.71	**Low**
3	I consult Journals for latest information and get new updates on a subject of study	230	47.7	168	34.9	77	16.0	7	1.5	482	1585	3.28	**High**
4	I use electronic journals as they carry first-hands information of new ideas or discoveries.	137	28.4	157	32.6	1	0.2	187	38.8	482	1244	2.58	**Low**
5	I chick the newspapers in my library for daily news headlines.	246	51.0	184	38.2	45	9.3	7	1.5	482	1633	3.39	**High**
6	I browse through the electronic newspapers always for news update.	60	12.4	149	30.9	65	13.4	208	42.8	482	1025	2.13	**Low**
7	I consult reference materials. (Such as Dictionaries, Yearbooks, Gazetteers, and Encyclopaedias.) For meaning of words, fact about past events, information or data about discussion.	297	61.6	158	32.8	27	5.6	0	0	482	1716	3.56	**High**
8	I use electronic database in my library to search for a particular document.	199	41.3	209	43.4	62	12.9	12	2.5	482	1559	3.23	**High**
	Weighted Mean											**3.05**	

Decision Mean: Average Weighted Mean = 3.05

Table 1 presented the extent of use of library information resources by students in federal polytechnics in North-east, Nigeria. The result showed that the respondents indicated that the following library information resources were highly used: reference materials with mean score of (3.56), textbooks with mean score of (3.49), newspapers with mean score of (3.39), hard copy journals with mean score of (3.28) and electronic databases with mean score of (3.23). However, electronic books with mean score (2.71), electronic journals with mean score of (2.58), and electronic newspapers with mean score of (2.13) recorded low extent of usage. Generally, the extent of use of library information resource by students in federal polytechnics in North-east, Nigeria was high with the average weighted mean of 3.05 which is above the critrion mean of 2.50 benchmark.

Research Question Two: How does the possession of ICT Skills influence the use of library information resources by students in federal polytechnics in North-east, Nigeria?

Table 4.8: Possession of ICT Skills influence on the use of library information resources by students in federal polytechnics in North-East, Nigeria

S/N	Statement	VHE (4)		HE (3)		LE (2)		VLE (1)		N	FX	Mean	Decision
		Fq	%	Fq	%	Fq	%	Fq	%				
1	My ability to open web pages enhances the use of online information resources in the libra	397	82.4	84	17.4	1	.2	0	0	482	1842	3.82	High
2	I have the knowledge to navigate web links and this enhances the use of online information resources in the libra	314	65.1	165	34.2	3	0.6	0	0	482	1757	3.65	High
3	Ability to save favourite web pages enhances the use of online information resources in the libra efficientl	253	52.5	228	47.3	1	0.2			482	1698	3.52	High
4	My ability to use Survey Monkey or Google Form to collect research data enhances the use of online information resources in the library.	0	0	238	49.4	9	1.9	235	48.8	482	967	2.01	Low
5	My knowledge of ICT enables the use of online reference sources in the library.	446	92.5	36	7.5	0	0	0	0	482	1892	3.93	High
6	My knowledge of ICT enhances the	331	68.7	134	27.8	12	2.5	5	1.0	482	1755	3.64	High

	use of online serial publications in the library.												
7	My ability to perform networking activities enhances the use of online information resources in the library.	262	54.4	206	42.7	13	2.7	1	0.2	482	1693	3.51	High
8	Ability to collaborate and share ideas online with my colleagues enhances the use of information resources in the library.	308	63.9	168	34.9	4	0.8	2	0.4	482	1746	3.62	High
9	My ability to share research findings with other people on social media such as WhatsApp, Facebook, Instagram enhances the use of online information resources in the library.	482	100	0	0	0	0	0	0	482	1928	4.00	High
10	My ability to use search engines such as Google, Mamma, Yahoo enhances the use of information resources in the library.	379	78.6	103	21.4	0	0	0	0	482	1825	3.79	High
11	Ability to search and retrieve research papers on ResearchGate enhances the use of online information resources in the library.	5	1.0	192	39.8	26	5.4	259	53.7	482	967	2.01	Low
12	My ability to search and retrieve research papers on Google Scholar enhances the use of online information resources in the library.	367	76.1	115	23.9	0	0	0	0	482	1813	3.76	High
13	My ability to use bibliographic database such as OPAC to retrieve information enhances the use of information	14	2.9	190	39.4	19	3.9	259	53.7	482	924	1.92	Low

	resources in the library.												
14	Ability to use full-text databases to retrieve information enhances the use of information resources in the library.	229	47.5	242	50.2	11	2.3	0	0	482	1664	3.45	High
15	My knowledge of ICT enables me to use Web OPAC and this enhances the use of information resources in the library.	379	78.6	98	20.3	5	1.0	0	0	482	1815	3.77	High
	Weighted Mean												**3.36**

Decision Mean: Average Weighted Mean =3.36

Table 2 presented the influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria. The result showed that the respondents perceived that twelve (12) out of fifteen (15) items listed on possession of ICT skills had high influence on the use of library information resources as the mean scores were above or equal to the average weighted mean of 3.36. On the other hand, the respondents perceived that the remaining three (3) items had low influence on the use of library information resources. Generally, the influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria was high with the average weighted mean of 3.36 which is above the criterion mean of 2.50 benchmark.

Research Question Three: Is there any significant influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria?

Table 3: ANOVA Model of Regression Analysis of possession of ICT skills on the use of library information resources by the students of federal polytechnics in North-east, Nigeria.

Model	Sum of Squares	Df	Mean Square	F	Sig
Regression	99.077	2	99.077	701.707	0.00
Residual	67.773	480	0.141		
Total	166.850	482			

a. Dependent Variable: use of library information resources
b. Independent Variable(predictors) Constant: the possession of ICT skills

Table 3 showed Regression Sum of Squares = 99.077 which quantifies the variation in the dependent variable that the model explains. Residual = 67.773 quantifies the unexplained variation or error in the model. Total Sum of Squares = 166.850 quantifies the total variation in the dependent variable. Regression Mean Square = 99.077 explains the average amount of variation explained by the regression model. The F-statistic = 701.707 showed the regression model explains a high significant portion of the variation in the dependent variable. This p-value = 0.000 indicates

the overall regression model is statistically significant since (0.000 < 0.05). Consequently, the hypothesis which states that there is no significant inflence of possession of ICT skills on the use of library information resources by the students of federal polytechnics in North-east, Nigeria is rejected. Hence, there is a significant influence of possession of ICT skills on the use of library information resources by the students of federal polytechnics in North-east, Nigeria.

Discussion of Findings

Research objective one sought to find out the extent of use of the library information resources by students of federal polytechnics in North-east, Nigeria. Findings revealed that there is a high extent of use of the library information resources by students of federal polytechnics in North-east, Nigeria. This implies that students fully utilised the library information resources available in federal polytechnic libraries in North-east, Nigeria. This finding is in line with the findings of American Library Association (2020) that library information resources are acquired, organized and made accessible and by users to support their research, study, and information needs. This finding corroborate with finding of Innocent (2022) that use of library and information resources is very important as to the research output of researchers in Nigerian universities, because it is perceived that the use of these resources may contribute to the research output and the development of the nation at large. Similarly, Mwahukasa (2022) reported that most of the respondents mainly used special collection, general collection and special reserve at Sokoine University of Agriculture, Tanzania. Joseph *et al*. (2020) reported that over 50 % of the students use the library to consults resources on a regular basis at Rufus Giwa Polytechnic Library, Owo, Ondo State,Nigeria.

Research objective two sought to find out possession of ICT skills influence on use of library information resources by students of federal polytechnics in North-east, Nigeria. Findings revealed that possession of ICT skills influence on use of library information resources by students of federal polytechnics in North-east, Nigeria was high. This implies that students of federal polytechnics in North-east, Nigeria had a requisite ICT skills that enable them to use library information resources effectivel. This finding corroborate the findings of Akanbe *et al.* (2020) that students possession of ICT skills influenced the use of library resources at University of Ilorin, Nigeria. Consequently Adamu (2023) reported that possession of ICT skills has a positive influence on job performance of librarians in federal university libraries in Nigeria.

Research objective three sought to find out if there is any significant influence of possession of ICT skills on the use of library information resources by students in federal polytechnics in North-east, Nigeria. The result was rejected, this implies that there is a significant influence of possession of ICT skills on the use of library information resources by the students of federal polytechnics in North-east, Nigeria. This finding corroborate the findings of Akanbe *et al.* (2020) that students possession of ICT skills influenced the use of library resources at University of Ilorin, Nigeria. Consequently, Adamu (2023) reported that possession of ICT skills has a positive influence on job performance of librarians in federal university libraries in Nigeria.

Conclusion

Based on the findings, The extent of use of library information resources was high, possession of ICT skills had a high influence on the use of library information resources and there is a significant influence of possession of ICT skills on the use of library information resources by the students.

Thus, the study concluded that majority of the repondents used printed information resource than the electronic resources in federal polytechnics in North-east, Nigeria.

Recommendations

Based on the findings, the following recommendations were made:

1. The management of Federal Polytechnics in North-east, Nigeria should leverage on the possession of ICT skills of students and put in place services that would facilitate the use of electronic resources in the library.
2. The management of Federal Polytechnics in North-east, Nigeria should introduce more user education programmes to include digital literacy programmes.
3. The management of Federal Polytechnics in North-east, Nigeria should prioritise the use of electronic resources by providing more computer system and Internet in the library .

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