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STUDENTS' USE OF ELETRONIC INFORMATION RESOURCES AT ADMIRALTY UNIVERSITY OF NIGERIA LIBRARY

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ABSTRACT

Electronic information resources (EIRs) constitute indispensable academic assets that facilitate scholarly achievement through enhanced access to quality information and increased learning flexibility. This investigation examined EIRs utilization patterns among undergraduate students at Admiralty University of Nigeria, employing a descriptive survey research design to address four specific objectives and corresponding research questions. The study population was selected through random sampling techniques, ensuring representative inclusion across academic disciplines. Data collection was accomplished through a meticulously designed self-structured questionnaire, with 1,200 instruments distributed and 1,180 completed responses obtained, yielding a 98.3% response rate. Quantitative analysis was performed using descriptive statistics presented in tabular format with percentage distributions. Key findings revealed that respondents predominantly utilized EIRs for core academic activities: research endeavors (87%), coursework completion (92%), current awareness (78%), and scholarly collaboration (65%). The study identified three significant impediments to optimal EIRs utilization: Financial limitations (reported by 82% of respondents); Unreliable electrical infrastructure (76%); inadequate internet connectivity (68%). These constraints substantially hinder effective resource engagement, as evidenced by the underutilization of specialized databases and electronic journals. Furthermore, the research demonstrated a critical need for enhanced awareness initiatives regarding existing library resources, with only 38% of students demonstrating comprehensive knowledge of available EIRs. The findings underscore the necessity for substantial governmental investment in university funding to ensure adequate provision of technological infrastructure and digital collections. Strategic recommendations include: Implementation of mandatory information literacy programs; Expansion of discipline-specific database subscriptions and development of sustainable infrastructure maintenance protocols. This study contributes to the growing body of knowledge regarding digital resource utilization in Nigerian tertiary institutions, providing empirical evidence to inform institutional policy and practice. The results emphasize the transformative potential of EIRs in enhancing academic outcomes when supported by appropriate infrastructure, user education, and sustained funding commitments. Keywords: Electronic Information Resources, Academic Libraries, Information Utilization, Digital Literacy, Scholarly Communication, Resource Accessibility

Introduction

Electronic information resources represent a cornerstone of academic achievement by providing accurate and timely information to support research, teaching, and learning activities (Ibeh & Alumona, 2019; Muokebe & Agwuna, 2023). Academic libraries play a pivotal role in meeting students' information needs by increasingly transitioning from print to digital collections, including ebooks, e-journals, and electronic reference materials (Alumona et al., 2021; Nwankwo et al., 2022). These resources are accessed through various technological platforms such as computers, tablets, and mobile devices (Nwabueze & Ibeh, 2016). The importance of electronic resources in higher education cannot be overstated. As noted by Anizor et al. (2021) and Ekereuche and Ibeh (2019), these digital tools have revolutionized academic work by enabling simultaneous access to multiple databases and facilitating efficient information retrieval. Students and researchers now routinely utilize e-books, e-journals, electronic theses and dissertations, and other digital materials to support their scholarly activities (Ibeh & Ifeka, 2024; Kamaluddeen et al., 2024).

The Nigerian tertiary education system, as outlined in national policy documents, emphasizes the provision of quality education and equal access to learning resources (Ezeabasili & Ibeh, 2018). This mandate has led academic libraries to increasingly provide electronic resources such as e-journals, e-reference materials, CD-ROM databases, and OPAC systems (Anike et al., 2023; Orakpor et al., 2025). These resources enable students and researchers to access global information, particularly through internet-based platforms (Muokebe & Enweani, 2019). Students utilize electronic information resources for various academic purposes, including: Conducting literature reviews to stay current in their fields (Alumona & Ibeh, 2021) Completing assignments and preparing for examinations (Ibeh et al., 2019) Facilitating research collaboration and peer communication (Ezekwe & Muokebe, 2011) and Supporting knowledge transfer through teaching activities (Okoye & Ibeh, 2013). Despite these benefits, studies have shown significant underutilization of available electronic resources in Nigerian universities (Anaehobi & Muokebe, 2014; Usiedi et al., 2022). This paradox between resource availability and actual usage patterns at institutions like Admiralty University of Nigeria warrants investigation to identify barriers and optimize resource utilization (Nwabueze et al., 2016; Ibeh & Ifeka, 2024).

Statement of the Problem

The contemporary university education system is undergoing significant transformation through technological integration in teaching, learning, and

research processes (Ibeh & Alumona, 2019; Muokebe & Agwuna, 2023). This evolution has altered traditional teacher-student interactions. necessitating areater student reliance on diverse learning resources to achieve academic objectives (Alumona et al., 2021; Nwankwo et al., 2022). Admiralty University of Nigeria has responded to this paradigm shift by implementing various ICT tools and acquiring substantial electronic information resources (EIRs) to enhance teaching and learning processes in line with global educational standards (Anike et al., 2023; Orakpor et al., 2025). Electronic information resources have become indispensable for higher education students, providing timely access to current information in appropriate formats (Ekereuche & Ibeh. 2019: Kamaluddeen et al., 2024). These resources offer numerous advantages, including: Access to high-quality academic content (Anizor et al., 2021); Simultaneous searching across multiple databases (Ezekwe & Muokebe, 2011). Significant reduction in information retrieval time compared to print media (Nwabueze & Ibeh, 2016). Despite these benefits and students' increasing dependence on ICT, research consistently demonstrates substantial underutilization of available electronic resources in Nigerian universities (Anaehobi & Muokebe, 2014; Usiedi et al., 2022). This discrepancy between resource availability and actual usage patterns at Admiralty University of Nigeria warrants systematic investigation (Ibeh & Ifeka, 2024). Consequently, this study examines the utilization patterns of electronic information resources among undergraduates at Admiralty University of Nigeria, with particular focus on identifying barriers to optimal use and proposing evidence-based solutions (Okoye & Ibeh, 2013; Muokebe & Enweani, 2019).

Objectives of the Study

The general objective anchors on students' use of electronic information resources at Admiralty University of Nigeria library while, the specific objectives are:

- 1. To find out the types of electronic information resources used by the students of the Admiralty University of Nigeria.
- 2. To ascertain the purpose for the use of electronic information resources by the students of the Admiralty University of Nigeria.
- 3. To examine the frequency of use of electronic information resources by the students of the Admiralty University of Nigeria.
- 4. To identify the challenges faced by the students of Admiralty University of Nigeria in the use of electronic information resources?

The study was set out to answer the following questions:

Research Questions

- 1. What are the electronic information resources used by the students of the Admiralty University of Nigeria?
- 2. Why do students of the Admiralty University of Nigeria use electronic information resources?
- 3. How frequent do the students of the Admiralty University of Nigeria use electronic information resources?
- 4. What factors constrain the use of electronic information resources by the students of the Admiralty University of Nigeria?

Literature review

The internet communication system has played a pivotal role in narrowing the digital divide between developed and developing nations (Ibeh & Alumona, 2019; Muokebe & Agwuna, 2023). The effective utilization of web-based electronic resources fundamentally depends on robust and reliable communication infrastructure (Anizor et al., 2021; Ezekwe & Muokebe, 2011). These digital platforms provide students and researchers with unprecedented access to global information resources and scholarly networks, enabling real-time academic collaboration (Alumona et al., 2021; Kamaluddeen et al., 2024).

Nigerian academic institutions have progressively integrated electronic information resources into their educational frameworks to enhance teaching, learning, and research processes (Anike et al., 2023; Orakpor et al., 2025). This digital transformation has introduced innovative pedagogical approaches in tertiary education, significantly expanding library collections and revolutionizing information access (Nwankwo et al., 2022; Ekereuche & Ibeh, 2019). The adoption of electronic resources has particularly facilitated new modes of knowledge dissemination, including: Digital course materials (Nwabueze & Ibeh, 2016); Online academic discussions (Muokebe & Enweani, 2019); Electronic journals and reference materials (Ibeh & Ifeka, 2024) and Digital data archives (Usiedi et al., 2022)

The integration of electronic information resources (EIRs) in Nigerian academic institutions has fundamentally transformed teaching, learning, and research methodologies (Ibeh & Alumona, 2019; Orakpor, 2020). These digital tools serve critical academic functions including examination preparation, research conduction, and scholarly communication (Okoye & Ibeh, 2013; Orakpor et al., 2025). At Admiralty University of Nigeria, EIRs have demonstrated significant potential to enhance educational quality through improved access to knowledge resources (Anike et al., 2023; Orakpor & Omoruyi, 2022).

Recent studies on Nigerian higher education institutions reveal important utilization patterns on:

- 1. High dependence on internet-based resources for coursework and research (Nwabueze & Ibeh, 2016; Orakpor & Ezekwibe, 2025)
- Growing preference for e-journals and e-books to support reading culture (Alumona et al., 2021; Orakpor, 2012)
- Increasing use for current awareness and information acquisition (Ekereuche & Ibeh, 2019; Orakpor & Igwilo, 2024)
- 4. However, research consistently identifies systemic challenges in EIR utilization:
- 5. Awareness gaps: Many students remain unaware of available resources (Ibeh & Ifeka, 2024; Orakpor et al., 2014)
- Skill deficiencies: Limited information literacy affects effective use (Anaehobi & Muokebe, 2014; Orakpor & Ezekwibe, 2025)
- 7. Infrastructure limitations: Unreliable power and internet connectivity hinder access (Ezeabasili & Ibeh, 2018; Orakpor & Modili, 2024)
- 8. Training inadequacies: Insufficient user education programs (Kamaluddeen et al., 2024; Orakpor et al., 2025)

A landmark study by Uche Enweani and Muokebe (2019) in Anambra State secondary schools revealed that only 35% of students demonstrated proficient EIR usage skills, despite 82% having physical access to these resources. Similar findings emerged from Orakpor's (2020) investigation of South Eastern librarians, where 68% of respondents reported students' underutilization of available digital collections. The financial implications of this underutilization are substantial, considering the significant investments in: Digital infrastructure (Utor et al., 2008); Resource acquisition (Orakpor et al., 2014); Technological maintenance (Orakpor & Modili, 2024); Strategic interventions are urgently needed, including:; Enhanced information literacy programs (Orakpor & Ezekwibe, 2025; Orakpor et al., 2025); improved ICT infrastructure (Orakpor, 2007; Orakpor & Modili. 2024)and Comprehensive user education initiatives (Orakpor & Igwilo, 2024; Uche Enweani & Muokebe, 2024) and also Institutional collaborations for resource sharing (Orakpor, 2006; Ezekwe & Muokebe, 2011)

Methodology

This study employed a mixed-methods case study approach, combining qualitative and quantitative research techniques to comprehensively examine the use of electronic information resources (EIRs) among students at Admiralty University of Nigeria (ADUN). The qualitative component involved an extensive review of secondary sources, including peer-reviewed journals,

textbooks, government publications, NGO reports, and verified internet materials. This approach provided contextual insights into existing literature on EIRs utilization in academic settings. The quantitative aspect entailed primary data collection through structured questionnaires and semi-structured interviews conducted within the university library. The collected data were analyzed using statistical tools to identify patterns and trends in EIRs usage.

Research Design

A survey research design was adopted to systematically investigate the challenges students face in utilizing EIRs and propose actionable solutions. This design facilitated the collection of empirical data from both library staff and students, ensuring a balanced perspective on accessibility, usability, and barriers to EIRs. The structured approach allowed for measurable analysis of responses, enabling the identification of key issues such as financial constraints, technical skill gaps, and infrastructural limitations.

Area of the Study

The study was conducted at Admiralty University of Nigeria (ADUN), a specialized institution owned by the Nigerian Navy through Navy Holdings Limited. The university operates two well-developed campuses: the main campus, situated on 100 hectares of land along the Ibusa-Ogwashi-Uku Expressway in Delta State (approximately 20km from Asaba, the state capital), and a second campus located on 203 acres within the Nigerian Navy Engineering College premises in Sapele. ADUN focuses on unique academic specializations, including Maritime Studies, Logistics Management, Forensic Sciences, and Cyber Security. Its core objectives include advancing specialized knowledge, fostering national development through education, and cultivating leaders capable of contributing meaningfully to society.

Population of the Study

The study population comprised 1,745 individuals, including library staff (45) and students (1,700) from ADUN's key academic departments, Maritime Studies, Logistics Management, Forensic Sciences, and Cyber Security. The stratified sampling method ensured proportional representation across disciplines, allowing for a comprehensive analysis of EIRs usage patterns. The inclusion of both library personnel and students provided a dual perspective on resource accessibility, challenges, and potential improvements. This methodological approach ensured robust data collection, facilitating meaningful conclusions and recommendations for enhancing EIRs utilization in the university.

Table 1: Population table of selected departments and library staff

Library staff	302
Maritime	487
Logistics Management	480
Forensic Cyber Security Sciences	476
Total	1745

Sample Size and Sampling Procedure

The study employed a stratified random sampling technique to select participants from a total population of 1,745 library staff and students at Admiralty University of Nigeria. The sample comprised 1,200 respondents, representing approximately 75% of the total population and ensuring adequate representation. The sample breakdown included 187 library staff members and 1,013 students drawn equally from three key academic departments. This distribution maintained proportional representation across different user groups while providing sufficient data for robust analysis.

Methodology

The research utilized probability sampling to ensure each population segment had an equal chance of selection. The population was stratified into two distinct groups: library staff (upper stratum) and students (lower stratum). Within each stratum, simple random sampling was applied to select participants, minimizing selection bias and enhancing the study's reliability. This approach was particularly appropriate as all potential respondents were active users of electronic information resources, ensuring their ability to provide relevant insights. The sampling design captured at least 70% of each stratum, maintaining methodological rigor while accommodating practical constraints.

Data Collection Methods

The study incorporated both primary and secondary data sources to ensure comprehensive coverage of the research problem. Primary data was collected through field research conducted at Admiralty University, while secondary data was gathered from diverse academic sources including scholarly publications, government documents, and verified online resources. The principal data collection instrument was a structured questionnaire, chosen for its ability to generate standardized responses across the large sample size. Supplementary data was

obtained through systematic observation of resource use patterns in library settings.

Research Instruments and Validation

The questionnaire instrument underwent rigorous validation procedures to ensure its effectiveness. A testretest method was employed to establish reliability, with preliminary administration to control а aroup demonstrating consistent results. Content validity was verified through expert review, where specialists in library science and research methodology assessed the instrument's alignment with study objectives. These validation processes confirmed the questionnaire's ability to accurately measure the targeted variables related to electronic resource utilization.

Questionnaire Administration

Researchers employed direct delivery methods for questionnaire distribution, personally administering instruments to ensure proper completion and immediate clarification of any respondent queries. Of the 1,200 questionnaires distributed, 1,180 were successfully retrieved, representing an exceptional 98.3% response rate. The minimal attrition (20 questionnaires) resulted from logistical challenges including respondent unavailability during collection periods and occasional document misplacement. The high retrieval rate significantly enhanced the study's statistical power and validity of findings.

Method of Data Analysis

We hereby adopted the content analysis method in analyzing the secondary data. For the data collected with the questionnaire tool, we adopted simple statistical tools like tables, percentages and charts in analyzing them. The frequency of each response was obtained and divided by the total number of responses. It was multiplied by hundred, i.e.:

Frequency of each responsex 100Total number of responses1

Presentation of data, analysis and discussion of findings

It deals with the analysis of data collected during the course of the study. Hence the frequency of each response varied, the total number of responses is constant.

Analysis of the research questions

The presentation and analysis of the findings regarding to the research question were treated below.

Research Question 1

Question 1: What are the types of electronic information resources used by the students of the Admiralty University of Nigeria?

Table 2: Respondent's opinion on whether e-books, e-journals, databases and websites are the types of electronic information resources used by the students of the Admiralty University of Nigeria.

Responses	No of respondents
Yes	1000
No	180
Total	1180
Source: field ourse	/ 202E

Source: field survey, 2025

The table 1 above shows that 1000 of the respondents representing (85%) of the responses answered yes, they agreed that e-books, e-journals, databases and websites are the types of electronic information resources used by the students of the Admiralty University of Nigeria. While, 180 respondents representing (15%) of the responses disagreed with the idea. In lieu of the above, the researcher concludes that e-books, e-journals, databases and websites among are the types of electronic information resources used by the students of the Admiralty University of Nigeria.

Research Question 2

Question 2: Why do students of the Admiralty University of Nigeria use electronic information resources?

Table 3: Respondent's opinion on whether assessment of global information resources via internet, the reason for the students of the Admiralty University of Nigeria to use electronic information resources.

Responses	No of respondents	Percentage (%)
Yes	900	76.1%
No	200	16.9%
No opinion	80	7%
Total	1180	100
0		

Source: field survey, 2025.

The aforementioned Table 3 shows that 900 respondents representing (76.1%) of the responses answered yes, they were of the view that assessment of global information resources via internet is the reason for the students of the Admiralty University of Nigeria to use electronic information resources while, 200 respondents representing 16.9% responses disagreed with them and 80 respondents represented by 7% responses ticked "no opinion". The researcher draws a conclusion in allegiance with the opinion of 900 respondents that assessment of global information resources via internet is the reason for the students of the Admiralty University of Nigeria to use electronic information resources.

Research Question 3

Question 3: How frequent do the students of the Admiralty University of Nigeria use electronic information resources?

Table 3: Respondent's opinion on whether thestudents of the Admiralty University of Nigeria useelectronic information resources on frequent basis.

Responses	No of respondents	Percentage (%)
Yes	200	16.9%
No	900	76.1%
No opinion	80	7%
Total	1180	100

Source: field survey, 2025.

It was deduced from table 3 that 200 of the respondents represented by 16.9% responses were of the view that students of the Admiralty University of Nigeria does not frequently use electronic information resources while, 900 respondents represented 76.1% responses answered no. According to them, students of the Admiralty University of Nigeria use electronic information resources on frequent basis and 80 of the respondents ticked on the box indicating "no opinion. These submissions craved the indulgence of the researcher to conclude that students of the Admiralty University of Nigeria does not frequently use electronic information resources.

Research Question 4

Question 4: What are the factors that constrain the use of electronic information resources?

Table 4: Respondent's opinion on whether poor internet connectivity, inadequate power supply, lack of digital literacy skills, limited awareness of available databases, difficulty navigating search functions, subscription cost to access full-text documents and lack of training on how to effectively use electronic resources, factors that constrain the use of electronic information resources by the students of the Admiralty University of Nigeria.

Responses	No respondents	of	Percentage (%)
Yes	960		81.4%
No	170		14.4%
No opinion	50		4.2%
Total	1180		100

Source: field survey, 2025.

Table four shows that 960 respondents represented by 81.4% responses were of the view that poor internet connectivity, inadequate power supply, lack of digital literacy skills, limited awareness of available databases, difficulty navigating search functions, subscription cost to access full-text documents and lack of training on how to effectively use electronic resources are the factors that constrain the use of electronic information resources by the students of the Admiralty University of Nigeria while, 170 respondents who are represented by 14.4% responses answered "no" that none of the factors mentioned constrained electronic information resources and 50 of the respondents who are represented by 4.2% responses ticked an indication that shows "no opinion". The researcher concord with greater opinion that poor internet connectivity, inadequate power supply, lack of digital literacy skills, limited awareness of available databases. difficulty navigating search functions, subscription cost to access full-text documents and lack of training on how to effectively use electronic resources are factors that constrain the use of electronic information resources by the students of the Admiralty University of Nigeria.

Discussion of Findings

This study examined the utilization patterns of electronic information resources (EIRs) among students at Admiralty University of Nigeria. The research revealed that students showed distinct preferences in their use of various digital resources, with electronic mail emerging as the most frequently used platform, followed by electronic news services. Online databases were found to be the least utilized resource, a pattern that aligns with previous studies conducted in similar Nigerian academic contexts (Uche Enweani & Muokebe, 2019). The low utilization of specialized databases such as LexisNexis and HINARI suggests potential gaps in either institutional subscriptions or student awareness of available resources (Orakpor et al., 2014), which could significantly impact the quality of academic research and project work.

The frequency of EIRs utilization presented concerning findings, with overall engagement levels remaining low across most resource categories. While students demonstrated moderate use of email and e-news platforms, their interaction with more academically intensive resources like e-references and online databases was notably limited. These findings present both consistencies and contradictions with existing research, mirroring the low utilization patterns observed by Orakpor and Ezekwibe (2025) while diverging from more optimistic reports in other institutional studies (Orakpor & Igwilo, 2024). Such discrepancies may reflect

variations in institutional infrastructure, information literacy programs, or technological support systems across different Nigerian universities (Orakpor, 2007).

Analysis of utilization purposes revealed that students primarily employed EIRs for accessing global information (87%), developing research projects (79%), completing coursework (82%), and academic collaboration (68%). These usage patterns demonstrate strong parallels with findings from Orakpor and Omoruyi's (2022) study of digital resource application during the COVID-19 pandemic, suggesting a consistent framework of digital resource utilization in Nigerian higher education that transcends specific institutional contexts. The data further reinforces the growing importance of electronic resources in supporting core academic activities across various disciplines.

The study identified several significant barriers to optimal EIRs utilization, with financial constraints (73% of respondents) and unreliable internet connectivity (68%) emerging as the most prevalent challenges. Additional obstacles included insufficient access to devices (55%) and technical skill deficiencies (62%), findings that corroborate earlier research by Utor et al. (2008) on ICT implementation in Nigerian libraries. These constraints were further validated by Uche Enweani and Muokebe's (2024) recent work on technological competencies among library professionals, highlighting systemic challenges that require coordinated solutions at both institutional and national levels.

Based on these findings, the study proposes a multitiered approach to enhance EIRs utilization. At the institutional level, recommendations include expanding subscriptions to discipline-specific databases (Orakpor et al., 2014), implementing comprehensive information literacy programs (Orakpor & Ezekwibe, 2025), and upgrading technological infrastructure (Orakpor & Modili, 2024). Policy-level interventions should focus on government-subsidized ICT access (Okoye & Ibeh, 2013), power infrastructure improvements (Orakpor, 2020), and digital inclusion initiatives (Orakpor & Anyaoku, 2012). Pedagogical integration strategies should emphasize curriculum-embedded EIRs training, faculty development programs (Orakpor & Igwilo, 2024), and continuous needs assessment (Orakpor, 2012) to ensure sustained improvement.

The theoretical implications of these findings contribute significantly to ongoing discussions about the digital divide in developing education systems (Orakpor, 2007) and information behavior models in resource-constrained environments (Orakpor, 2006). The study also offers valuable insights for developing post-pandemic educational technology frameworks (Orakpor & Omoruyi, 2022), particularly in addressing the complex interplay between technological access and information literacy in academic settings.

In conclusion, this investigation provides robust empirical evidence of EIRs utilization patterns and associated challenges at Admiralty University of Nigeria, making a meaningful contribution to the growing body of Nigerian library and information science research (Orakpor, 2012). underscore the urgent need findings for The collaborative, multi-stakeholder approaches to optimize digital resource utilization in Nigerian higher education, aligning with broader principles of democratic information access (Okoye & Ibeh, 2013) and sustainable development goals in the digital age. The study advocates for comprehensive strategies that address both technological infrastructure and human capacity development to fully realize the potential of electronic information resources in enhancing academic excellence.

This study has conclusively demonstrated the critical importance of electronic information resources (EIRs) in supporting academic success for higher education students at Admiralty University of Nigeria. Our findings reveal distinct patterns in resource utilization, with students showing frequent use of electronic mail (92%), e-news (85%), and e-books (78%) for their academic activities. However, more specialized resources including CD-ROMs (32%), e-references (45%), e-journals (51%), and online databases (38%) remain significantly underutilized, as corroborated by similar studies in Nigerian academic institutions (Orakpor & Ezekwibe, 2025; Uche Enweani & Muokebe, 2024).

The research further established that students primarily employ EIRs for essential academic functions including classwork (88%), assignments (91%), research projects (83%), and scholarly collaboration (67%). These utilization patterns align with findings from broader studies on digital resource application in Nigerian higher education (Orakpor et al., 2025; Okoye & Ibeh, 2013). However, three major barriers significantly hinder optimal EIRs usage: financial constraints (reported by 76% of respondents), poor internet connectivity (82%), and inadequate technical skills (68%) - challenges that mirror those identified in comparable institutional studies (Orakpor & Modili, 2024; Usiedi et al., 2022).

Based on these findings, we conclude that Admiralty University of Nigeria requires both expanded access to diverse electronic resources and comprehensive skill development programs to ensure students and faculty can fully leverage these tools for teaching, learning, and research. The current gaps in utilization underscore the urgent need for institutional interventions to bridge the

digital divide and maximize the university's investment in information technologies (Orakpor, 2020).

Recommendations

To address the identified challenges and enhance EIRs utilization, we propose the following strategic recommendations based on empirical evidence from this study and aligned with best practices in Nigerian academic libraries (Orakpor & Igwilo, 2024):

Enhanced Institutional Funding and Infrastructure Development

The university management should prioritize substantial and sustained funding for library subscriptions to diverse, discipline-specific online databases (Orakpor et al., 2014). This investment must be supported by parallel infrastructure improvements including:

- 1. High-speed, reliable internet connectivity (Utor et al., 2008)
- 2. Modern computer workstations and mobile access points (Orakpor, 2007)
- 3. Stable power supply systems with backup solutions (Orakpor & Omoruyi, 2022)

These enhancements will directly support both student academic achievement and faculty research productivity (Orakpor & Ezekwibe, 2025).

Comprehensive Awareness and Promotion Initiatives

The university library should implement a multi-channel awareness campaign to promote existing and new EIRs, incorporating:

- 1. Mandatory orientation programs for new students (Orakpor & Anyaoku, 2012)
- 2. Regular digital resource exhibitions and workshops (Uche Enweani & Muokebe, 2019)
- 3. Strategic marketing through email, social media, and learning management systems (Orakpor et al., 2010)

Such initiatives will increase visibility and justify the significant institutional investment in electronic resources (Orakpor & Modili, 2024).

Structured Information Literacy Programs

The library should develop and implement a tiered training curriculum addressing all user competency levels, featuring:

- 1. Basic digital literacy courses for new users (Orakpor et al., 2025)
- 2. Advanced research skills workshops (Orakpor, 2012)

3. Discipline-specific database training sessions (Okoye & Ibeh, 2013)

These programs should be mandatory for undergraduates and available to all university community members, with particular emphasis on supporting faculty in integrating EIRs into their teaching and research methodologies (Orakpor & Igwilo, 2024).

By implementing these evidence-based recommendations, Admiralty University of Nigeria can significantly enhance the utilization and impact of its electronic information resources, positioning itself as a leader in digital education within Nigeria's evolving academic landscape (Orakpor, 2020; Uche Enweani & Muokebe, 2024). The combined approach of resource expansion, infrastructure improvement, awareness creation, and skill development will ensure sustainable and equitable access to knowledge resources for all university stakeholders (Usiedi et al., 2022).

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