

## Utilisation of internet-enabled devices for academic and religious purposes among Muslim undergraduates

Abdulganiyu, Salman Sebutu<sup>1</sup>, Olaofe, Musa Adeyemi<sup>2</sup>, Abdullahi, AbdulGaniyy<sup>3</sup>

<sup>1</sup>Department of Arts Education, University of Ilorin, Nigeria

<sup>2</sup>Department of Islamic Studies, University of Abuja, Nigeria

<sup>3</sup>Department of Islamic Studies, Kwara State College of Education, Nigeria

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### ABSTRACT

This study investigated utilisation of internet-enabled devices for academic and religious purposes among Muslim undergraduates in University of Ilorin, Nigeria. All Muslim students in the University constituted the population of the study, while only those in the Faculty of Arts were the target population. Meanwhile, 50 Muslim students were randomly selected from each of the seven departments which totaled 350 undergraduate Muslim students. The instrument used to collect data was researcher-designed questionnaire. Two research hypotheses were formulated and tested using inferential statistics of Pearson Product Moment Correlation Statistics, at 0.05 level of significance. It was revealed from the findings of the study that utilisation of internet-enabled devices significantly related to Muslim students' religious practices and academic performance. Therefore, it was concluded that students should always ensure moderation in chit-chatting and use their internet-enabled devices for the purposes which would boost their academic performance and improve them spiritually.

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### Corresponding Author:

Abdulganiyu, Salman Sebutu

Department of Arts Education

University of Ilorin

No C2, Studiopedia, Off Ministry of Health, Fate Tanke Rd, behind Lgea Primary School, Ilorin, Nigeria

Email: [abdulganissebutu@mail.com](mailto:abdulganissebutu@mail.com)

## 1. INTRODUCTION

It is imperative to note that, nowadays, internet-enabled devices play significant roles in education [1]. Thus, the high level of awareness of internet-enabled devices in this contemporary period among Nigerian students has attracted research attentions [2].

Furthermore, with the development of portability and functional coverage of technologies, as well as cost reduction of products and services, internet enabled devices are increasingly found in our daily activities. Mobile technologies are commonly used nowadays even in areas where schools, books and computers are available. Due to low price of these technologies, mobile phones in particular, even in impoverished areas in Nigeria can afford and know how to use mobile device [3]. Moreover, Park and Biddix [4] viewed that, in Nigeria, abuse of internet has been extensively common among tertiary institution students, instead of legally using them to enrich themselves academically and spiritually. Functionally, the use of internet enabled devices by students improves their contributions in the learning process and increases their curiosity [5]. Similarly, internet-enabled devices help students to get needed materials, critically meditate, creatively operate and effectively collaborate with other people in finding solutions to problems [6]. In the same vein, internet is a very important tool in education. The more students use it for academic purpose, the more they

are likely to enrich their knowledge [7]. In addition, Alshahrani, *et al.* [8] stated that the internet brought a number of good dimensions to lecturers and instructors and sometimes, negative change to learners. Corroborating this statement, Park [9] stated that, internet-enabled devices assist students in getting and keeping educative information, sharing ideas, participating in virtual lectures, conduct online studies and engaging in religious affairs. Wertheim [10] opined that internet-enabled devices are also a spiritual space because a lot religious activities could be carried out on them by students, regardless of their religion. Moreover, Chen and Fu [11] opined that the use internet-enabled gadgets could have positive effects on students' academic performance and their religious practices.

In another development, Amoke and Igwebuike [12] believed that internet-enabled devices have become a good asset in education and they assist students in getting information which help facilitate their effective learning and consequently enhance their performance. In this respect, Amoke and Igwebuike [12] further stated that it is necessary to deny the use of such devices in schools in order to have a better development of the hectic pace of contemporary life. Meanwhile, in tertiary institutions, mobile devices especially smart phones are criticised by lecturers in view of the problems they bring such as distraction while the lecture is in progress. The use of internet has reduced face-to-face social interaction among students. It is also shown that, in compare to past years, teenagers in the 2010s spend more time on electronic communication than in person interaction [13]. Moreover, Briz-Ponce, *et al.* [14] submitted that in tertiary institutions in Nigeria, many students do not under-utilise the internet-enabled devices for academic and religious purposes, but over-utilise them for social matters. On this note, Gerpott and Thomas [15] stressed that, on daily basis, many University students spend more time on Twitter, Facebook and the likes more than the sites which would engage them academically and spiritually [16].

Meanwhile, utilization of internet-enabled devices for academic and religious activities needs to be more encouraged among students of higher institutions of learning [17]. Jibrin, *et al.* [18] maintained found stressed that internet-enabled devices have strong positive influence on students' academic performance as well as their religion. Al-Hamdani [19] found that Muslim students rarely use their mobile phones to translate texts translation, checking of spellings and words. Many students prefer using their mobile phones for watching films, playing games and listening to music to carrying out their academic activities [16].

Moreso, internet-enabled devices, if properly utilised, could build students to become independent learners and active collaborators in problem solving [20]. Therefore, Oghenetega and Igere [21] stated that, internet has become a very significant gadget for enhancing academic performance of students, if properly utilised. Internet-enabled devices have improved the academic environment exposing students to unlimited information as well as affording them the opportunity to share their knowledge globally [22]. Contrarily, social networking grabs the attention of students and then diverts it towards chatting, cyber building, watching and sharing of pornographic videos and photos, among others which Nigerian university students may not be left out [23].

Meanwhile, lecturers in Nigerian Universities need to continually encourage their students to used internet-enabled expedients for their academics and religious practices [17]. Utilisation of internet-enabled devices such as handset, tablet, laptop, palmtop seem to come with some observed attitudinal problems among university students, particularly Muslim undergraduates in the Faculty of Arts, University of Ilorin, Nigeria. Also, some parents are insensitive to their children utilise the devices as the institution might not have any measure in place to control the usage. As a result of this, students might abuse the use of the devices by wasting much pleasure, time, energy, and resources, busy with not beneficial chatting.

Many studies have been carried out concerning the utilisation of internet-enabled devices among university students. For instance, Ezemenaka [24] examined usage and Impact of internet-enabled phones on academic concentration among University of Ibadan students, Nigeria. The findings of the study revealed that many students were of habit of chatting with their phones while lecture is being delivered in the class. To the best of the researcher's knowledge, no study had been carried out on utilisation of internet-enabled devices for academic and religious purposes among Muslim undergraduates in the Faculty of Arts, University of Ilorin, Nigeria. This is the gap which this study filled. The main purpose of this study was to examine utilisation of internet-enabled devices for academic and religious purposes among Muslim undergraduates, Faculty of Arts, University of Ilorin, Nigeria. Specifically, it investigated the relationship: 1) Between the utilisation of internet-enabled devices and Muslim undergraduates' religious practices; and 2) Between the utilisation of internet-enabled devices and Muslim undergraduates' academic performance.

The following research questions were raised for this study: 1) Is there any relationship between the utilisation of internet-enabled devices and Muslim undergraduates' religious practices?; 2) Is there any relationship between the utilisation of internet-enabled devices and Muslim undergraduates' academic performance?. The research questions, the following hypotheses were formulated and tested in this study: 1) Ho1: There is no significant relationship between the utilisation of internet-enabled devices and Muslim

undergraduates' religious practice; and 2) There is no significant relationship between the utilisation of internet-enabled devices and Muslim undergraduates' academic performance.

## 2. RESEARCH METHOD

This study adopted descriptive research design of survey type. The population of the study comprised all Muslim students in University of Ilorin in 2018/2019 academic session, while the target population were all Muslim students in the Faculty of Arts, University of Ilorin, Nigeria. Meanwhile, 50 Muslim students were randomly selected from each of the seven departments (Religions, Arabic language, English language, French language, Yoruba language, History and Performing Art) which totaled 350 Muslim students. A random sampling technique was used to select the sample. A researcher-designed questionnaire was used to gather information. The questionnaire contained sections A and B. Section contained items on the utilisation of internet-enabled devices and Muslim undergraduates religious practices while section B covered items on the utilisation of internet-enabled devices and Muslim undergraduates' academic performance. Copies of the questionnaire were presented to four experts in educational research for validation. In order to determine the reliability of the instrument, a pilot study was conducted among Muslim undergraduates in two departments, University of Ilorin which were not part of the main sample. The two results of administration were compared using Pearson's Product Moment Correlation Statistics in which coefficient of correlation of 0.78 was obtained. The result indicated that the instrument was reliable for the study.

## 3. RESULTS AND DISCUSSION

Hypotheses one and two were tested using inferential statistics of Pearson's Product-Moment Correlation statistics. Table 1 shows the calculated r-value (.622), while the p-value (.000) is less than the significance level (0.05). Therefore, the hypothesis which stated that there is no significant relationship between the utilisation of internet-enabled devices and Muslim undergraduates' religious practices is rejected. It means that there was a significant relationship between internet-enabled devices and Muslim undergraduates' religious practices.

Table 1. Internet-enabled devices and muslim undergraduates' religious practices

Variable	N	$\bar{X}$	SD	Df	Cal r-value	p-value
Internet- Enabled Devices	350	3.09	1.06	166	.622	.000
Muslim Students' Religious Practice	350	4.72	.77			

\*Significant P< .05

Table 2 shows the calculated r-value (.510), while p-value (.000) is less than the significance level (0.05). Therefore, the hypothesis which stated that there is no significant relationship between the utilisation of internet-enabled devices and Muslim undergraduates' academic performance is rejected. This means that there was a significant relationship between internet-enabled devices and Muslim undergraduates' academic performance.

Table 2. Internet-enabled devices and muslim undergraduates' religious practices

Variable	N	$\bar{X}$	SD	Df	Cal r-value	p-value
Internet- Enabled Devices	350	3.09	1.06	166	.510	.000
Muslim Students' Religious Practice	350	4.05	1.81			

\*Significant P< .05

### 3.1. Discussion

Based on the results of this findings, it was found that there was a significant relationship between internet enabled-devices and Muslim undergraduates' religious practices. The result of this findings tallies with the findings of Al-Hamdani [19] that Muslim students use mobiles to translate texts, check spellings, look for vocabulary, and access a dictionary in class. Although created as video- sharing service for all users, YouTube has become part of many academics' and students' lives.

The second finding revealed that there was a significant relationship between internet-enabled devices and Muslim undergraduates' academic performance. This finding is similar to the findings of Kuznekoff [25] that students who were allowed to text and tweet in class scored significantly lower grades and scored lower on recalling information and note-taking. Also, Uden [20] found that the internet enable devices motivate students towards effective learning thereby enhancing their academic performance.

#### 4. CONCLUSION

Based on the findings of this study, it was concluded that lecturers should always encourage their students to use the internet-enabled devices for learning more than social matters in order to boost their academic performance. Students should also constantly keep themselves abreast of using the devices for spiritually purposes in order to continually improve their Islamic knowledge which would rightly direct their affairs.

#### REFERENCES

- [1] M. Nentwich, *Cyber science-research in the age of the internet*. Vienna: Austrian Academy of Science Press, 2017.
- [2] Pew Research Center, "Teens and mobile phones," 2010. [Online] Available: [www.umanitoba.ca/on](http://www.umanitoba.ca/on)
- [3] Lugo, Maria Teresa, and Sebastián Schurmann, "Turning on mobile learning in Latin America: illustrative Initiatives and policy implications, Paris, UNESCO, 2012" [Online] Available: <http://www.unesdoc.unesco.org/image/0021/002160/216080e.pdf>
- [4] H. W. Park and J. P. Biddix, "Digital media education for Korean youth," *International Information Library*, vol. 40, no. 2, pp. 104-111, 2016.
- [5] Reile, David M and JoAnn Harris-Bowlsbey, "Using the internet in career planning and assessment," *Journal of Career Assessment*, vol. 8, no. 1, pp. 69-84, 2015.
- [6] O. E. Dryli and D. Kinnaman, "Gaining the online edge. Part 2: Energizing the classroom curriculum through telecommunications," *Technology and Learning*, vol. 16, no. 4, pp. 57-70, 2016.
- [7] M. Sushma, D., Peter, G., Natalya, L. Gregory, and C. Donald, "The impact of internet addiction on university students and its effect on subsequent academic success: A survey based on study," *Issues in Information System*, vol. 15, no. 1, pp. 344-352, 2014
- [8] S. Alshahrani, E. Ahmed, and R. Ward, "The influence of online resource on student-lecturer relationship in higher education: A composition study," *Journal of Computer in Education*, vol. 4, no. 2, pp. 87-106, 2017.
- [9] H. W. Park, "Academic internet use; Issues and lesson in e-Research. A paper presented to the Communication and Technology Division" *the 59th Annual ICA (International Communication Association) Conference, Chicago, Illinois USA (ChicagoMarriott Downtown Magnificent Mile)*, 2009.
- [10] M. Weithem, *The pearly gates of cyberspace: A history of space from Dante to the Internet*. New York: WWW. Norton and Company, 2000.
- [11] S. Y. Chen and Y. C. Fu, *Internet use and academic achievement: Gender differences in early adolescence, An Unpublished thesis*. University of Nsukka, Nigeria, 2009.
- [12] A. D. Amoke and E. U. Igwebuik, "Assessment of internet awareness and use by the undergraduate students of college of agricultural and science education in Michael Okpara University of Agriculture, Umudike," *American Journal of Educational Research*, vol. 4, no. 2, pp. 200-203, 2016.
- [13] V. Twenge, R. Faris, and F. Mishna, "Cyber bullying in children and youth: Implications for health and clinical Practice," *Canadian Journal of Psychiatry*, vol. 62, no. 6, pp. 368-373, 2017.
- [14] L. Briz-Ponce, *et al.*, "Learning with mobile technologies-students' behaviour," *Computer Human Behaviour*, vol. 72, pp. 612-620, 2017.
- [15] T. Gerpott and J. Thomas, "Empirical research on mobile internet usage: A meta-analysis of the literature," *Telecommunications Policy*, vol. 38, no. 3, pp. 291-310, 2014.
- [16] A. Alarabiat and S. Al-Muhammed, "The potential for Facebook application in undergraduate learning: A Study of Jordanian Students," *Interdisciplinary Journal of Information, Knowledge and Management*, vol. 10, pp. 81-103, 2015.
- [17] K. A. Johnston, "The use, impact, and unintended consequences of mobile web-enabled devices in university classrooms," *Issues in Information Technology*, vol. 13, pp. 25-46, 2016.
- [18] M. A. Jibrin, M. N. Musa, and S. Tahiru, Effects of internet on the academic performance of tertiary institution students in Niger State, Nigeria. *International Journal of Education, Learning and Training*, vol. 2, no. 2, pp. 57-69, 2017.
- [19] D. S. Al-Hamdani, "A constructivists approach to a mobile learning environment," *International Journal of Computer Applications*, vol. 93, no. 4, pp. 41-46, 2016.
- [20] I. Uden, "Activity theory for designing mobile learning," *International Journal of Mobile Learning and Organisation*, vol. 1, no. 1, pp. 81-102, 2017.
- [21] I. Oghenetega, and M. A. Igere, "Impact of internet on academic performance of students in tertiary institutions, Nigeria," *Journal of Information and Knowledge Management*, vol. 5, no. 2, pp. 47-56, 2014.
- [22] O. D. Apuke and T. O. Iyendo, "University students' usage of the internet resources for research and learning forms of access and perceptions of utility," *Heliyon*, vol. 4, no. 12, pp. 1-34, 2018.

- [23] S. N. Kuppswamy, "The impact of social networking websites on the education of youth," *International Journal of Virtual Communication and Social Networking (IJVSCN)*, vol. 2, no. 1, pp. 67-69, 2016.
- [24] E. Ezemenaka, "The usage and impact of internet-enabled phones on academic concentration among students of tertiary institution: A study at the University of Ibadan," *International Journal of Education and Development using Information and Communication Technology (IJEDICT)*, vol. 9, no. 3, pp. 162-173, 2017.
- [25] J. H. Kuznekoff, "Mobile phone in classroom: Examining the effects of texting, twitter and message content on students learning," *Communication Education*, vol. 64, no. 3, pp. 344-365, 2015.

## BIOGRAPHIES OF AUTHORS



Dr. Abdulganiyu Salman Sebutu is a lecturer 1 in the Department of Arts Education, University of Ilorin, Nigeria. He had his Diploma certificate in teaching of Arabic and Islamic Studies from Kwara State College of Education, Ilorin in 1989. He bagged his B. Ed, M. Ed and Ph. D. (Islamic Studies Education) in 2001, 2007 and 2014 respectively from Ahmadu Bello University, Zaria, Nigeria. He is a Chief Imam of Jama'atu Islamiyyah of Nigeria, Ilorin, and Imam rotib, Asiriabo mosque, Okefomoh-Ita Nma, Ilorin, Kwara State.



Dr. Olaofe Musa Adeyemi is a senior lecturer; Deputy Dean, Faculty of Arts and Director, Centre for Asian Studies, University of Abuja, Nigeria; and Chief Imam, Ansaru Deen mosque, Abuja. He had his B.A. (Islamic Studies) from Bayero University, Kano, Nigeria in 1997. He bagged his Post Graduate Diploma in Education from Usman Dan-Fodio University, Sokoto, Nigeria in 2007; M. A. (Islamic Studies) from University of Jos, Nigeria in 2009; and Ph. D. (Islamic Studies) from Ahmadu Bello University, Zaria, Nigeria in 2014.



Dr. Abdullah Abdul Ganiyy is a senior lecturer and a Chief Imam, Kwara State College of Education, Ilorin central mosque, Nigeria. He graduated from College of Arabic & Islamic Studies, Ilorin in 1986 where he acquired Grade II certificate and later attended Kwara State College of Education, Ilorin where he had Diploma certificate in teaching of Arabic and Islamic Studies in 1989. He bagged B. Ed. (Islamic Studies) from Ahmadu Bello University, Zaria, Nigeria in 1998; M. A (Islamic Studies) from University of Ilorin, Nigeria in 2005 and Ph. D. (Islamic Studies) from Ahmadu Bello University, Zaria, Nigeria in 2016.