

Users Behavioral Intention Towards eGovernment in an African Developing Country

Ayankunle A. Taiwo

Texas A&M University – Commerce, USA

INTRODUCTION

Sequel to successful implementation of electronic commerce in the private sector, huge amounts has been invested in e-Government globally. Nevertheless, evaluating results of the investments using numerous metrics shows disappointment in most developing countries. With impending failures of e-Government initiatives in developing nations (Maumbe, Owei & Alexander, 2008), it is important to note that implementation of e-Government without redesigning the processes is tantamount to waste of public funds and resources. Having targeted users in mind brings about efficient and effective e-government services, not bureaucracy. Importantly, the accomplishment of e-Government initiatives hinges on rethinking and redesigning processes that the government operates. Also, as critical as technologies is to e-Government, its' optimal results is not exclusively dependent on technological innovation, but the combination of technology and end users. Furthermore, channels of distributing government solutions ought not to make the difference, but high quality of services through the channels.

Presently, public sector of many developed nations utilizes the power of the Internet as an outlet for public service provision. Flavin, Guinaliu, & Torres (2006) iterated that arrival of internet came with substantial advantages for all stakeholders concerned. After a successful e-commerce exploits by the private sector, government of many countries sort after provision of public services over the internet. e-Government comes with enormous

gains to the governments, including reduction in delivery cost of public services with a wider reach to the people. Furthermore, citizens can have access to varieties of solutions because operations are no more time bound by office hours. Although lots of funds have been spent on building e-Government systems, studies have shown that citizen may not use the systems for many reasons (Olasina, 2012). The most important stakeholders (citizens) in e-Government are often left behind while crucial decisions are made. Interestingly, the greater impact is on the citizens, because their behavioral pattern will have to change. In addition, there have always been resistant to change, thus citizens acceptance of e-Government can be complicated, because it affects human behavioral patterns (Meuter et al., 2002). Therefore, reviewing factors that influences human behavior towards technology cannot be overemphasized. The objective of this paper is to investigate behavioral intention towards the use of eGovernment service in Nigeria, a developing country.

BACKGROUND

The National Information Technology Development Agency (NITDA) was initiated by the Nigerian government as a passage for eGovernment to bring government closer to its citizens and facilitate national strategies for the spread of e-society / e-government (NITDA, 2001; Obasanjo, 2003, 2004). The expectation of the eGovernment initiatives is to use Information & Com-

munication Technologies (ICT) for breaking “barriers of hierarchical traditions, secrecy, and bureaucracies” (Obasanjo,2004;p1) associated with public services. Numbers of eGovernment initiatives were rolled out to prepare citizens for the change towards eGovernment, encourage citizens to use eGovernment applications and build trust in citizens to reduce future resistance (Ifinedo,2007). The implementation of eGovernment was also foreseen as a way to curtail the effect of corrupt practices as eGovernment initiatives were employed in India to combat corruption (Ifinedo,2007). Also, e-government initiatives were expected to improve culture, transparency and accountability in the country.

Recent studies shows that the implementation and the use of eGovernment in Nigeria is less than desirable while some of the challenges facing eGovernment initiatives are yet to be resolved (Ifinedo, 2005; 2007). A research survey conducted by Awoleye, Oluwaranti, Siyanbola & Adagunodo (2008) revealed that the use of eGovernment application is low and 20% of the respondents out rightly lack interest in visiting government websites. The current state of eGovernment in Nigeria is beyond preliminary stages. There are several eGovernment services available across the country at local, state and federal level, many of which are not patronised due to workers negative attitude to change and citizens’ negative perceptions about eGovenment (Olasina, 2012). Some of these services could be found on the website for government services “services.gov.ng”. Nigerian immigration eservices are one of the surviving and successful eGovernment initiatives in Nigeria. The targeted population in this study, undergraduate and post-graduate students, are individuals who have used online services provided by the Nigerian government for immigration (immigration.gov.ng) purposes. Chete et al., (2015) investigated the use of SMS based eGovernment services in Lagos Nigeria and suggested that mass media is the most effective way to show citizens the benefits of using eGov-

ernments services. In addition, there are limited empirical studies on eGovernment in Sub Sahara African nations (Maumbe et al., 2008). Lastly, Ifinedo (2007) suggested the investigation of the perceptions of Nigerians regarding the eGovernment acceptance in Nigeria.

LITERATURE REVIEW

Unified Theory of Acceptance and Use of Technology (UTAUT)

The acceptance of information technology has been carefully investigated dynamically for the last four decades. Looking through the technology acceptance literature, many studies proposed models and examined them to show vividly more than forty percent variance in a persons’ intention to adopt technological a innovation (Davis et al.,1989; Venkatesh & Morris,2000). Venkatesh et al (2003) made a concrete examination of eight (8) prominent models and derived a unified concept of acceptance and use of technology (UTAUT) which could explain around 70 percent of variance in intention. The eight (8) technology adoption models studied consist of the theory of reasoned action (TRA), the technology acceptance model (TAM), the motivational model (MM), the theory of planned behavior (TPB), a model combining TAM and TPB (C-TAM-TPB), the model of PC utilization (MPCU), the innovation diffusion theory (IDT), and social cognitive theory (SCT).

Performance expectancy, effort expectancy, and social influence of the UTAUT model show significant immediate determinants of behavioral intention while facilitating condition is a determinant of usage behavior (Venkatesh et al., 2003; Taiwo & Downe 2012). These constructs have usually been validated in lots of empirical reports for being essential factors that influences users’ acceptance of a system (Guo & Barns, 2007; Iahad & Rahim, 2011; Taiwo et al., 2014).

11 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage:

www.igi-global.com/chapter/users-behavioral-intention-towards-egovernment-in-an-african-developing-country/184074

Related Content

A Disaster Management Specific Mobility Model for Flying Ad-hoc Network

Amartya Mukherjee, Nilanjan Dey, Noreen Kausar, Amira S. Ashour, Redha Tairand Aboul Ella Hassanien (2016). *International Journal of Rough Sets and Data Analysis* (pp. 72-103).

www.irma-international.org/article/a-disaster-management-specific-mobility-model-for-flying-ad-hoc-network/156480

Software Piracy

Martin Harran, Nigel McKelvey, Kevin Curran and Nadarajah Subaginy (2015). *Encyclopedia of Information Science and Technology, Third Edition* (pp. 1502-1507).

www.irma-international.org/chapter/software-piracy/112552

An Optimal Routing Algorithm for Internet of Things Enabling Technologies

Amol V. Dhumane, Rajesh S. Prasad and Jayashree R. Prasad (2017). *International Journal of Rough Sets and Data Analysis* (pp. 1-16).

www.irma-international.org/article/an-optimal-routing-algorithm-for-internet-of-things-enabling-technologies/182288

Privacy Aware Access Control: A Literature Survey and Novel Framework

Rekha Bhatia and Manpreet Singh Gujral (2017). *International Journal of Information Technologies and Systems Approach* (pp. 17-30).

www.irma-international.org/article/privacy-aware-access-control/178221

Is It Now the Right Time to Migrate Enterprise Systems to the Cloud?

Guo Chao Alex Peng (2015). *Encyclopedia of Information Science and Technology, Third Edition* (pp. 1070-1077).

www.irma-international.org/chapter/is-it-now-the-right-time-to-migrate-enterprise-systems-to-the-cloud/112502