



**BABCOCK**  
**UNIVERSITY**

ILISHAN-REMO, OGUN STATE, NIGERIA

# COLLEGE OF POSTGRADUATE STUDIES

## 2022/2023 PhD Thesis Abstract

### Department of Information Resources Management

**RFN:** Johnson Chuku OMENKA

**RD:** Information Resources Management

**RS:** Management Sciences

**RE:** Johnson.omenka@gmail.com

**RAE:** omenka2170@gp.babcock.edu.ng

**RP:** 07037592279

**RT:** Information Technology Governance, Information Technology Competence and Innovation in Small and Medium Scale Enterprises in Lagos State, Nigeria

**MS:** Prof. Yemisi T. BABALOLA

**ME:** babalolay@babcock.edu.ng

**SP:** 08067812458

**CS:** Prof. Gabriel O. ALEGBELEYE

**CE:** gb.alegbeleye@yahoo.com

**CP:** 08037142601

**AB:** Innovation is pivotal to the success and sustainability of any enterprise, particularly in a changing business environment. Despite the importance of Small and Medium Enterprises (SMEs) to economic development and employment, literature has shown that most SMEs struggle to stay afloat in a competitive market due to lack of innovation. Information Technology (IT) governance (structures, processes and relational mechanisms) and IT competence (IT knowledge, IT operations and IT objects) have been identified as factors that can enhance innovation in SMEs. Studies have examined the effect of IT governance on innovation in SMEs without considering IT competence in Lagos State. It is on this premise, that the study investigated the influence of IT governance and IT competence on innovation in SMEs in Lagos State, Nigeria.

The study adopted the survey research design. The population comprised 42,067 SMEs in Lagos State obtained from Small and Medium Scale Enterprises Development Agency of Nigeria (SMEDAN) as at 2021. A sample size of 396 was determined using Taro Yamane's formula. Simple random sampling technique was used to select the SMEs. A structured and validated questionnaire was used to collect data. Cronbach's alpha reliability coefficients for the constructs ranged from 0.72 to 0.93. A response rate of 80.3% was achieved. Data were analysed using descriptive and inferential (simple and multiple linear regression) statistics at 5% level of significance.

Findings revealed that IT governance and IT competence jointly influenced innovation in SMEs ( $Adj.R^2 = 0.76$ ,  $F(2, 317) = 510.11$ ,  $p < 0.05$ ) in Lagos State, Nigeria. Also, IT

governance ( $Adj.R^2 = 0.62$ ,  $F(1, 317) = 525.50$ ,  $p < 0.05$ ) and IT competence ( $Adj.R^2 = 0.74$ ,  $F(1, 317) = 890.09$ ,  $p < 0.05$ ) had positive and significant influence on innovation in SMEs. Findings further showed that structures ( $\beta = 0.28$ ,  $t(314) = 6.15$ ,  $p < 0.05$ ) and relational mechanisms ( $\beta = 0.51$ ,  $t(314) = 11.90$ ,  $p < 0.05$ ) individually influenced innovation in SMEs, but processes ( $\beta = 0.05$ ,  $t(314) = 1.02$ ,  $p > 0.05$ ) did not. However, all the components of IT competence namely IT knowledge ( $\beta = 0.16$ ,  $t(314) = 5.78$ ,  $p < 0.05$ ), IT operations ( $\beta = 0.19$ ,  $t(314) = 5.37$ ,  $p < 0.05$ ) and IT objects ( $\beta = 0.47$ ,  $t(314) = 19.89$ ,  $p < 0.05$ ) had positive and significant influence on innovation in SMEs in Lagos State, Nigeria.

The study concluded that IT governance and IT competence enhanced innovation in SMEs in Lagos State, Nigeria. It was recommended that managers should endeavour to sustain the high level of innovation in SMEs in Lagos State, Nigeria. Also, SMEs should endeavour to sustain the level of IT competence to boost innovation.

**Keywords:** Information technology, Information technology competence, Information technology governance, Lagos State, Small and Medium Enterprises (SMEs), SMEs innovation

**Word Count:** 434

**Abbreviations:** *RFN: Researcher's Full Name, RD: Researcher's Department, RS: Researcher's School, RE: Researcher's Email, RAE: Researcher's Alternate Email, RP: Researcher's Phone Contact, RT: Registered Title, MS: Main Supervisor, ME: Main Supervisor's E-mail Address, SP: Main Supervisor's Phone Contact, CS: Co-Supervisor, CE: Co-Supervisor's E-mail Address, CP: Co-Supervisor's Phone Contact, AB: Abstract*

**Suggested Citation:** Omenka, J.C, Babalola, Y.T., and Alegbeleye, G.O. 2023. Information Technology Governance, Information Technology Competence and Innovation in Small and Medium Scale Enterprises in Lagos State, Nigeria. PhD Thesis Abstract, College of Postgraduate Studies, Babcock University.  
[https://doi.org/10.61867/pcub.1\(5\).144](https://doi.org/10.61867/pcub.1(5).144)