



**OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE
THE POSTGRADUATE COLLEGE**

"FORM A"

**THESIS TITLE AND APPOINTMENT OF UNIVERSITY AND
EXTERNAL EXAMINERS' FORM**

SECTION A: *(To be completed by the candidate)*

1. **Name of Candidate:** AJISEGIRI Bolaji Kareem
(Surname in Capitals) (First Name) (Other Name)
2. **Candidate's Registration Number:** TP23/24/H/1251
3. **Candidate's Qualification:** *(Stating Degree, Discipline, Class, University and Date):*
 - (i) B.Sc. (Civil Engineering), (First Class Honours), Obafemi Awolowo University, Ile – Ife, 1997
 - (ii) MBA. (Financial Management), Obafemi Awolowo University, Ile – Ife, 2007
 - (iii) M.Sc. (Technology Management), Obafemi Awolowo University, Ile – Ife, 2015
 - (iv) MS. Information System Security, University of Houston, Texas, USA, 2016
4. **Department and Faculty into which Candidate was admitted:** African Institute for Science Policy and Innovation/Technology
5. **(i) Degree to which Candidate was Admitted:** Ph.D. (Technology Management)
(ii) Semester and Session of First Registration: Harmattan Semester, 2023/2024 Session
6. **(i) Title of Proposed Research:** Development of Cybersecurity Protocols for Smart Construction for the Built Environment in Nigeria
(ii) Statement of Research Problem:

The growing adoption of cybersecurity practices and digital technologies in the building construction industry comes with cyberthreats due to lack of compatible security framework. A comprehensive framework tailored to smart construction environment is therefore required to ensure protection of construction data, accuracy of specifications, and timely accessibility of project information, hence this study.
7. **(i) Specific Objectives of Research:**

The specific objectives of the study are to

 - (a) assess the levels and patterns of cybersecurity adoption in building construction in Nigeria;
 - (b) examine the factors influencing the adoption of the cybersecurity practices;
 - (c) examine the impacts of non-implementation of the cybersecurity practices in the study area; and
 - (d) develop a framework for securing smart building construction in Nigeria.**(ii) Expected Contribution to Knowledge:**

The study will provide information on the factors influencing adoption as well as levels and patterns of adoption of cybersecurity practices in building construction in Nigeria. The study will also generate a framework for securing smart building construction in the study area.

8. **Research Methodology:**

The study will be conducted among selected building construction companies with headquarters in Lagos State and the Federal Capital Territory, Abuja being the hubs of the construction industry in Nigeria. The study will employ primary data which will be collected using a set of structured questionnaire distributed among project managers of the construction companies. According to www.lusha.com, there are 137 construction companies in the study area. Using Taro Yamane sample size formula for a known population, 102 companies will be selected for the study. One project manager will be purposively selected as respondents from each of the selected companies. The questionnaire will elicit information from respondents on the factors that will be used to assess the levels of cybersecurity adoption in building construction in Nigeria such as adhoc, basic, standardized, proactive and AI-driven security levels among others. Patterns of cybersecurity adoption will be assessed using types of patterns such as security structure, control, framework, data loss prevention, metrics and so on. The questionnaire will also elicit information on the factors influencing the adoption of cybersecurity measures such as availability of infrastructural support facilities, efficiency of cyber security usage, and supporting industries/market e-readiness among others. Using risk management framework, the questionnaire will provide information on measures of impacts of non-implementation of cybersecurity practices in the study area such as project performance, and risk approaches and outcomes among others with a view to determining predictive and possible causal relationships. A framework for securing smart construction will then be developed using the data generated. The new framework cores are expected to govern, identify, protect, detect, respond, and recover IT/OT systems within BIM-enabled smart construction environment. Data generated will be analysed using both descriptive and inferential statistics.

9. **Date of Board Approval of Ph.D. Qualifying Examination Result:** 27th March, 2026



30th March, 2026

10. **Signature of Candidate:** ----- **Date** -----

SECTION B

1. **Supervisor's Comments on Candidate's Proposals as Contained in Section A 7 (i), (ii) and 8:** The proposed objectives are achievable, and the methodology is adequate. The study will provide a framework for securing smart construction in Nigeria.

2. **Head of Department's Comments on Candidate's Proposals as Contained in Section A 7 (i), (ii) & 8:** The research objectives are adequate and well formulated. The methodology is appropriate for the achievement of the study objectives. The results of the study will provide information on the levels and patterns of adoption of cybersecurity practices in building construction industry in Nigeria. The Institute has the facilities to carry out the study.

3. **University Examiners:**

a. **Chief Examiner:**

Prof. (Mrs.) T. O. Olaposi
oolaposi@oauife.edu.com
08160043507

b. **Supervisor:**

Prof. (Mrs.) G. O. Binuyo
gbinuyo@oauife.edu.com
08060109978

- c. **Co-Supervisor (if any):** Prof. K. T. Oladepo
koladepo@oauife.edu.ng
08033633546
- d. **Examiners:**
- Prof. A. A. Akindahunsi
Department of Civil Engineering
akinakin@oauife.edu.ng
08036698185
- Prof. B. S. Afolabi
Department of Software Engineering
bsafolabi@oauife.edu.ng
08075737306

4. External Examiners

- i) Dr. A. O. Adepoju (Reader)
Department of Project Management
Federal University of Technology, Akure
aoadepoju@futa.edu.ng
08034935392
- ii) Prof. I. O. Olateju
Department of Management Technology
Lagos State University, Ojo
olawale.olateju@lasu.edu.ng
08023260405
- iii) Prof. P. O. Oladele
Department of Business Administration
Federal University, Oye-Ekiti
otunbabobaniyi@yahoo.com
08033009401

1. Comments of the Faculty Postgraduate Committee:

Recommended for approval

2. Signatures and Dates:

a. Supervisor:-----

b. Co-supervisor (if any):-----

c. Head of Department:-----

d. Chairperson, Faculty Postgraduate Committee:

Name Prof. (Mrs.) E. F. Aransiola Signature..... Date.....