

**DESIGNING HIGH RISE HOUSING FOR LAGOS, NIGERIA WITH FOCUS ON  
SUSTAINABLE BUILDING SERVICES.**

BY

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**A THESIS SUBMITTED TO THE DEPARTMENT OF ARCHITECTURE,  
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## **DECLARATION**

I, Alabi Joseph Temitope of the Department of Architecture, College of Science and Technology, School of Post Graduate, Covenant University, Ota, Ogun State, hereby declare that the information contained in the thesis is the result of an honest academic research undertaken by me and that no part of it had been accepted for publication in any journal or magazine.

I, therefore state that all information and data are duly acknowledged by proper referencing.

.....

Name

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Signature and Date

# CERTIFICATION

It is hereby certified that this dissertation, written **Alabi Joseph Temitope** was supervised by me and submitted to the Post Graduate School and Department of Architecture, College of Science and Technology, Covenant University, Ota, Ogun State.

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Signature and Date

## **DEDICATION**

This project work is dedicated to the Lord Almighty, the Alpha and the Omega who has been my guide and my help during the times of writing of this project work.

This work is also dedicated to my parent Mr and Mrs Alabi for their unwavering support and understanding.

Finally, to the amazing lecturers and colleagues in the Department of Architecture for their resources and assistance in the duration of this project.

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## **ABSTRACT**

A shelter protects from sun, insect, rain, and wind, and snow, hot or cold temperature and gives you a feeling of wellbeing as well as helps you maintain your will to survive. Urbanization maybe a precursor for development and has been identified as one of the factors with profound effects on the demand for housing which rapidly causes degradation of the environment due to non-proper planning of waste discharged and amenities needed. The aim of the thesis is to create a functional High rise Apartment Building with well laid out building services in order to reduce problem of Housing in Lagos and also create a safe and secure environment. The research method used for this dissertation was mainly Qualitative using case study approach which employed the use of detailed observation, photographs, sketches and interview guide for key informant. Building services includes all of the environmental systems that make an edifice accessible such as ventilation, air conditioning, heating and lighting. It also embraces the supply and distribution of water, electricity and communications; the provision of fire detection and fighting equipment as well as lifts and escalators. For sustainable operations of buildings, energy- efficient systems for heating, cooling, ventilation and the supply of power are essential. These allow great savings to be realized at relative little expense.