

**APPLICATION OF UNIVERSAL DESIGN PRINCIPLES IN THE DESIGN  
OF A MODERN SECONDARY SCHOOL IN LAGOS STATE, NIGERIA**

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**JULY, 2023**

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**BY**

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**A DISSERTATION SUBMITTED TO THE SCHOOL OF POSTGRADUATE  
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COLLEGE OF SCIENCE AND TECHNOLOGY, COVENANT  
UNIVERSITY OTA, OGUN STATE**

**JULY, 2023**

## **ACCEPTANCE**

This is to attest that this dissertation is accepted in partial fulfilment of the requirements for the award of the degree of Master of Science in Architecture in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria.

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**Signature and Date**

## **DECLARATION**

**I, OBON, UDDY UKO (17CA022947)** declare that this research was carried out by me under the supervision of Dr. Osahon J. Ediae, of the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria. I attest that the dissertation has not been presented either wholly or partially for the award of any degree elsewhere. All sources of data and scholarly information used in this dissertation are duly acknowledged.

**OBON, UDDY UKO**

**Signature and Date**

## **CERTIFICATION**

This is to certify that this dissertation titled “**APPLICATION OF UNIVERSAL DESIGN PRINCIPLES IN THE DESIGN OF A MODERN SECONDARY SCHOOL IN LAGOS STATE, NIGERIA**” is an original research work carried out by **OBON, UDDY UKO (17CA022947)** in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Ogun state, Nigeria under the supervision of Dr. Osahon J. Ediae. This dissertation has met the required standard for the award of Master of Science (M.Sc.) in Architecture.

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## **DEDICATION**

This thesis is dedicated to Almighty God for the grace and privilege He has given me to carry out this work. It is also dedicated to my mother, Mrs. Victoria Ntuk and my sister and brother, Idara and Ubong Uko Obon for their unrelenting support in various ways

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## **ABSTRACT**

Education is a basic human right that every person should have access to regardless of who they are and what challenges they may face. In Nigeria however, this right does seem to be exercised exponentially by the physically challenged for a number of reasons. One of the major reasons would be the inaccessibility of educational institutions at all levels, in different parts of the country. There are few schools that were designed to accommodate the needs of these special people and even at that, designed well. For that reason, these people find it rather difficult to exercise this right and are deprived of this simple need. There is a need to observe the schools that currently exist for this purpose, to find out how efficiently they accommodate these persons and to design a school to promote inclusivity. The aim of this study is to design a secondary school for physically challenged students, using universal design principles, with a view to promoting inclusivity in education. Three buildings were chosen and selected as case studies for the purpose of data collection. This data was consisted of qualitative and quantitative data, with the qualitative data gathered by use of an observation guide and quantitative data gathered using a structured questionnaire, which was shared to users of the selected buildings. The observation guides were analyzed using content analysis, while the questionnaires were analyzed using the Statistical Package for Social Sciences (SPSS). The results of the research showed that the selected schools did not fully meet the Universal Design guidelines and had satisfactory levels that were below average to average. The results also revealed that the users of the buildings were satisfied with the access provisions provided, as well as how they affected accessibility and usability of the school facilities.

***Keywords: Universal Design, Inclusivity, Usability, Secondary School.***