

**EVALUATION OF CIRCULATION ELEMENTS AND USER
EXPERIENCE IN THE DESIGN OF AN ICT COMPLEX FOR
LAGOS**

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SEPTEMBER, 2021

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EXPERIENCE IN THE DESIGN OF AN ICT COMPLEX FOR LAGOS**

BY

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**A DISSERTATION SUBMITTED TO THE SCHOOL OF
POSTGRADUATE STUDIES IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF MASTER OF SCIENCE
DEGREE IN ARCHITECTURE OF THE DEPARTMENT OF
ARCHITECTURE, COLLEGE OF SCIENCE AND TECHNOLOGY,
COVENANT UNIVERSITY, OTA, OGUN STATE, NIGERIA**

SEPTEMBER, 2021

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 (MSc) Degree in the Department of Architecture, College of Science and Technology, Covenant University.

Mr. John A. Philip
(Secretary, School of Postgraduate Studies)

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DECLARATION

I, **UMAMEH, Anthony Jeremiah (18PCA01735)**, of the Department of Architecture, Covenant University, Ota, Ogun State hereby declare that the information contained in this dissertation work is the result of an honest academic research was carried out entirely by me under the supervision of DR. A. O OWOSANI, of the department of architecture, Covenant University, Ota, Ogun State. I attest that the dissertation has not been presented wholly or partially for the award of any degree elsewhere. All sources of scholarly information used in this research were duly acknowledged.

UMAMEH Anthony Jeremiah

.....

Signature & Date

CERTIFICATION

This dissertation titled **EVALUATION OF CIRCULATION ELEMENTS AND USER EXPERIENCE IN THE DESIGN OF AN ICT COMPLEX FOR LAGOS, NIGERIA** is an original research work carried out by UMAMEH, Anthony Jeremiah (18PCA01735) in the Department of Architecture College of Science and Technology, Covenant University, Ota Ogun State, Nigeria under the supervisor of Dr. A.O. OWOSENI.

Dr. A. O. OWOSENI
(Supervisor)

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PROF. A. P. OPOKO
(Head of Department)

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Signature & Date

DEDICATION

This research work is dedicated to Almighty God and to the advantage of humanity.

ACKNOWLEDGEMENTS

My foremost gratitude goes to the Almighty God for the privilege you gave me to be among the very few Nigerians who went through the four walls of the University. Also, for the great opportunity to attain this feat and given me the resource to carry out this research successfully.

I am most grateful to my parents: Mrs. Umameh Ibrahim, to my lovely brother Jeremiah for their immense support in all ramifications and their words of encouragement that still keeps me moving ahead through thick and thin.

I am extremely grateful to my project supervisor Dr. O.A Owoseni. You squeezed out quality time out of your extremely tight schedule to offer more than enough assistance to me. You were always there when ever we call on you and you supported us jealously till the end of this research work. Honestly, if given an opportunity to choose a supervisor again, I will choose no one else but you.

I thank Oliyde Niyi, Kolade Kenny and my classmates turned friends who have supported and encouraged me in their own little or many ways. Y'all rock! #thumbsup.

Finally, I will like to thank the Department of Architecture of Covenant University Ota, Ogun State in entirety for the enabling environment created to study, learn and achieve various academic feats.

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ABSTRACT

Information Communication Technological based shopping facilities provides the public with an exclusive ICT shopping arena. User experience has also been evaluated in other public spaces from schools, recreational centres and other version of these spaces but has been scarcely evaluated in terms of ICT facilities. Although these facilities are provided with the required circulation components to promote usability, these human activity hubs must be evaluated based on their supply of a pleasant user experience and circulation characteristics. This is critical in order to give information on the expanding corpus of architectural users' experiences, particularly in critical architectural components like circulation. The aim of this study is to evaluate circulation elements and their influences on users' experience with a view to design an ICT complex in Lagos State, Nigeria that will enhance free flow movement of users and services within the facility. It attempted to do this by examining the current circulation systems within ICT facilities, investigating user experiences within ICT complexes, assessing the link between circulation characteristics and user experiences, and incorporating these findings into the suggested design. The selected study area for this project is computer village, Ikeja, Lagos Nigeria. The design proposal is sited on a land along Lekki-Ajah express road. The study is a descriptive quantitative and qualitative research and it evaluates spatial circulation and user experience in some selected ICT complexes at computer village, Ikeja. In order to choose users and gather data, a census sampling method was utilized. They were analyzed and displayed in tables and figures using the Statistical Program for Social Sciences. The findings show that environmental variables have a major effect on user experience and that circulation systems play a significant role in affecting user experience in ICT complexes. These findings were integrated into the proposed design.

Keywords: ICT complex, Accessibility, Users Experience, Circulation pattern, Shopping, Way finding.