

**PROPOSED MODERN BUS TERMINAL AT OBALENDE
INTERCHANGE, LAGOS**

BY

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**PROPOSED MODERN BUS TERMINAL AT OBALENDE
INTERCHANGE, LAGOS**

*(THE USE OF THIN-SHELL CONCRETE STRUCTURE FOR SPACE
MAXIMIZATION IN TRANSPORT INTERCHANGE BUILDINGS)*

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**A Dissertation Submitted to the School of Post Graduate Studies in Partial
Fulfillment of the Requirements for the Award of Master of Science (M.Sc.)
Degree in Architecture, Covenant University, Ota, Ogun State, Nigeria**

JUNE, 2018

DECLARATION

I, Femi-Oke Olutobi of the Department of Architecture, Covenant University, Ota, Ogun State, Nigeria hereby declare that the information provided in this thesis work is the result of an academic research undertaken by me.

All information and data sources used are duly acknowledged.

.....
Student Signature and Date

CERTIFICATION

This is to certify that this dissertation written by Femi-Oke Olutobi was done under my supervision and submitted to the Department of Architecture, College of Science and Technology, Covenant University, Ota.

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ACCEPTANCE

This is to attest that this design thesis is accepted in partial fulfilment of the requirements for the award of the degree of **Masters of Science (M.Sc.)** in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Ogun State, Nigeria.

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Signature & date

DEDICATION

This design thesis is dedicated to the glory of God and to the service of humanity.

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My dearest appreciation goes to God for His Direction, Grace, Provision, Strength, Wisdom and Guidance in this research.

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ABSTRACT

The design of proposed Modern Bus Terminal at Obalende employs the use of thin-shell concrete structures in order to provide maximum space use. The study adopts a combination of primary and secondary data which were obtained through review of relevant literature and case studies and also interview of stakeholders at the intended site. The obtained data were properly analyzed and infused into the proposed design for a properly functional bus terminal with proper circulation. This is expected to reduce travel time. Thereby serving as a solution to transportation challenges experienced by commuters at Obalende Area of Lagos Nigeria.

Keywords: bus, hyperbolic, Obalende, paraboloid, terminal, thin-shell