**DEPARTMENT OF COMPUTER ENGINEERING**

**FACULTY OF ENGINEERING**

**CARITAS UNIVERSITY**

**A**

**REPORT**

**ON**

**DESIGN OF A LIBRARY MANAGEMENT SYSTEM**

**BY**

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**REG NO: CE/2018/533**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF BACHELOR OF ENGINEERING (B.ENG)**

**SUBMITTED TO:**

**ENGR ETOMCHI**

**AUGUST 2023**



**CERTIFICATION**

This is to certify that I, OBIEKWE MICHAEL CHINEDU with matric number CE/2018/533 have carried out this research work titled DESIGN OF A LIBRARY MANAGEMENT SYSTEM and submitted it for the award of Bachelor of Engineering (B.ENG) from Caritas University, Amorji-Nike, Enugu, it is an independent and original work. I have duly acknowledged all the sources from which ideas and extracts have been taken, this project is free of all forms of plagiarism and has not been submitted somewhere forward of any Degree or Diploma

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Mgbeahurike Victor Uchenna Signature Date

**APPROVAL**

This topic DESIGN OF A LIBRARY MANAGEMENT SYSTEM has been examined and accepted as research done by the student in partial fulfilment of the requirement for the award of Bachelor of Engineering (B.ENG) in Computer Engineering.

Supervisors’ name……………………. Signature………………. Date………………..

HODs’ name ……………………………. Signature ………………. Date………………….

External Examiner ……………………. Signature…………………. Date……………………

**DEDICATION**

This project work is dedicated to the ALMIGHTY GOD for making me able to start up and finish in sound health. Also to my parents as well for being supportive in the cause of this project work both financially and spiritually and to my parents and close friends for being supportive and kind to me during the cause of this project work.

**ACKNOWLEDGEMENTS**

My sincere gratitude goes to THE ALMIGHTY GOD for his abundant mercies, guidance and protection over me throughout the cause of my project work.

All thanks to my adorable parents Mr and Mrs Obiekwe for their profound help and support during the cause of this project work.

I really would say words are not enough to express my profound gratitude to my Supervisor Engr Etomchi, The Head of the Department of Computer Engineering Engr MC Obi, all the Lecturers in the Department of Computers as well as the Non-teaching Staff of the Department of Computer Engineering for their support and inspiration in one way or the other. May God bless you abundantly (Amen).

**ABSTRACT**

A library is a collection of sources of information and similar resources, made accessible to a defined community for reference or borrowing. Thus the process of handling a library manually is very troublesome and clumsy. As regards this point of view, the computerized system for handling the activities of library management provides a comprehensive way to lessen physical labour, to reduce the complexity of the manual system and soon. This project work aims to design and implement a computerized library management system. The library management system was designed and implemented using the REACT JS, CSS (Cascading style sheet), JAVASCRIPT and MONGODB COMPASS database. The system was developed using the V-Model software development approach. An extensive evaluation of the project determines that the project achieved many of its predefined objectives.

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