**DESIGN AND IMPLEMENTATION OF A VIRTUAL LIBRARY LEARNING PLATFORM (VLLP) FOR 300 LEVEL STUDENTS IN FACULTY OF MANAGEMENT SCIENCES, IN UNIVERSITY OF JOS.**

**BY**

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**UJ/2016/ED/0248**

**A RESEARCH PROJECT SUBMITTED TO THE DEPARTMENT OF SOCIAL SCIENCE EDUCATION, FACULTY OF EDUCATION, THE UNIVERSITY OF JOS IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF BACHELOR OF LIBRARY AND INFORMATION SCIENCE (BLIS) DEGREE**

**FEBRUARY, 2022**

**CERTIFICATION**

This is to certify that this research project titled "DESIGN AND IMPLEMENTATION OF A VIRTUAL LIBRARY LEARNING PLATFORM (VLLP) FOR 300 LEVEL STUDENTS IN FACULTY OF MANAGEMENT SCIENCES, IN UNIVERSITY OF JOS" has been read and approved having met the requirements for the award of Bachelor of Library and Information Science (BLIS) Degree in the Department of Social Science Education, Faculty of Education, University of Jos, Plateau State, Nigeria.

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**EXTERNAL EXAMINER DATE**

**DECLARATION**

**I, JOSHUA NWAFOR CHUKWUDI** hereby declare that this research project titled DESIGN AND IMPLEMENTATION OF A VIRTUAL LIBRARY LEARNING PLATFORM (VLLP) FOR 300 LEVEL STUDENTS IN FACULTY OF MANAGEMENT SCIENCES, IN UNIVERSITY OF JOS is a product of my own research efforts undertaken under the supervision of MR. ENEOJO E. JACOB has not been presented anywhere for the award of any qualification. All sources of information (published or unpublished) have been duly acknowledged.

**JOSHUA NWAFOR CHUKWUDI**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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UNIVERSITY OF JOS

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**ACKNOWLEDGEMENT**

First and foremost, I want to register my undiluted gratitude to God Almighty for His provision, grace, favour, divine impartation, wisdom, good health and other endless things which time and space may not permit their enlistment. I owe it all to God, to your name be the glory and adoration, Amen. Secondly, I wish to express my sincere gratitude to my supervisor, Mr. Eneojo E. Jacob, for his guidance, willingness, patience, understanding and corrections made to improve this project, it was educative and a privilege to be under your guidance. Thank you Sir, God bless you. Without his support and guidance, this project would not have been possible. I could not have imagined having a better supervisor in my study.

I also want to acknowledge the Head of Department of Social Science Education Dr. Dauda A. Ariya, Head of Library and Information Science Unit Dr. Vicky Lawal, my Level Coordinator, Mr. M. B. Dakur, and other lecturers like Dr. Lily O. Ezeala, Mr. P. P. Panle, Mrs. Rhoda D. Diyoshak and Mrs. O. T. Akanni for their encouragement and contributions in bringing out the excellent in me. May God bless you all. My heart felt appreciation goes to my friends Mr. Adams Yusuf among other friends for their support during my academic study. To my course mates Mrs. Rejoice Dachollom and Longji Genesis among other course mates thank you so much for your leadership quality in representing the class in many capacity. May God bless you all.   
 To my lovely family, Mr. & Mrs. Johnson Nwafor for their sponsorship, mentorship and for always being the symbol of parenthood and hope to me. Finally, to my wonderful siblings Mr. Joseph Nwafor, Miss. Amarachi Nwafor, Tochi Nwafor, Mrs. Mercy Ikechukwu and Mrs. Chineye Ikenna, words cannot describe how loving and supportive you all are, I hold you all in high regard.

**DEDICATION**

I dedicate this research work to God Almighty who is all knowing and faithful, for His unwavering love, guidance and support throughout my studies and research. And to my wonderful Mother, Mrs. Ebere Nwafor for her relentless efforts in seeing me throughout my studies and particularly in this material time.

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**ABSTRACT**

The aim of this project was to design and implement a virtual-library-learning platform for 300 Level Students of Faculty of Management Sciences, University of Jos with a goal to meet up to the following objectives; The Design of Virtual Library Learning Platform (VLLP) for learners and instructors for Faculty of Management Sciences, Design and implementation of a Login Module for learners and instructors to access the functions of the Virtual Library Learning Platform (VLLP) which includes, course creation and management, course enrollment and access to course resources, and information resource upload and browsing, Design of Course Management and Accessibility Module on the platform for learners and instructors, Identification of the effectiveness and efficiency of the platform in granting the learners access to personalized data such as, courses enrolled in and related resources, information resources (e.g Articles, PDFs and Webpage links), and chat functionalities with other users of the system, and The identification of the effectiveness and efficiency of the platform in granting the lecturers/instructors access to virtual course and information resource management functionality and online interaction with learners. The Micro-services architecture was employed in the implementation of the platform which is made up of 3 modules which includes the Back-end Module and Front-end modules for both instructors and learners. The back-end modules handles all business logic and provides an easy to use API which is used by other parts of the platform to access and publish data. The JavaScript Language was used as the Primary Language for this project. The developed platform makes it possible for instructors and learners to effectively communicate and share information through customized applications (Mobile and Web Application) improving on the current traditional method of teaching employed. The development of the VLLP revealed the method of teaching currently employed by students and instructors of the Faculty of Management Sciences and its disadvantages. As a result of this work, mobile and web applications was developed for both instructors and students to provide access to the functionalities made available by the VLLP. The VLLP makes it possible for instructors and students to communicate effectively and in an organized manner. Instructors of the Faculty of Management Sciences should be advised to upload course resources on the Platform. 300 Level Students of Faculty of Management Sciences in University of Jos should download the VLLP mobile application to access uploaded course resources. Further improvements and developments should be made on the Virtual Library Learning Platform to make it more useful and relevant to the University of Jos.