ASSESSMENT OF INTERACTIVE WHITEBOARD AVAILABILITY AND UTILIZATION AMONG LECTURERS IN FEDERAL COLLEGES OF EDUCATION IN NORTHEAST, NIGERIA.

BY

IDRISS, Aliyu Tikau
P13EDFC8015

SUPERVISORS

PROF. M. ABDULLAHI- Chairman
DR. A. I GAMBARI- Member

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DECLARATION

I declare that this dissertation entitled **"**Assessment of Interactive Whiteboard Availability and Utilization among Lecturers in Federal Colleges of Education in Northeast, Nigeria" was carried out by me in the Department of Educational Foundations and Curriculum, Ahmadu Bello University, Zaria. The information derived from the literature has been duly acknowledged in the text and in the list of references provided. No part of this dissertation was previously presented for another degree or diploma at this or any other Institution.

IDRISS, Aliyu Tikau ---------- Date ----------
Signature

CERTIFICATION

This project dissertation entitled Assessment of Interactive Whiteboard Availability and Utilization among Lecturers in Federal Colleges of Education in Northeast, Nigeria, by IDRISS, Aliyu Tikau P13EDFC8015 meets part of the regulations governing the award of the degree of M.Ed Instructional Technology of the Ahmadu Bello University, and is approved for its‟ contribution to knowledge and literary presentation.

Prof. M. Abdullahi _____ Date _____
Chairman, Supervisory Committee (Signature)

Dr. A. I. Gambari _____ Date _____
Member Supervisory Committee (Signature)

Prof. M. I. Harbau _____ Date _____
Head of Department (Signature)

Prof. Sadiq Z. Abubakar _____ Date _____
Dean Postgraduate School (Signature)

DEDICATION

I dedicated this research work to my parents who provide all the necessary resources. Also dedicated to my wife, sisters, brothers, friends and lovely relatives for their support, love and encouragement that culminated in making this academic task a reality.

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I am very grateful to Almighty Allah for giving me life, strength and will to carry out this work. I am indebted to all authorities whose works are cited in the content of this work. I would like to sincerely acknowledge my two supervisors, Professor Mohammed Abdullahi and Dr A. I. Gambari, who reduced the intensity of my feelings of inadequacy and despair and assisted me in conceptualizing and eventually coming up with a well-articulated study.

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ABSTRACT

This study was on assessment of interactive whiteboard availability and utilization among lecturers in Federal Colleges of Education in Northeast, Nigeria. Four specific objectives were to find out: the extent of availability of interactive whiteboard, perceived usefulness of lecturers towards utilization of interactive whiteboard, lecturers' level of self-efficacy in using interactive whiteboard, and the influencing years of experience and genders on lecturers' use of interactive whiteboard for instructional purposes in federal colleges of education in North-East, Nigeria. The study adopts survey research design in order to address the research problem. A total of 435 respondents drawn the research sample from a populations 751 formed. A questionnaire titled (QIWBUIP) was to collect data. The instrument was validated pilot tested for reliability, yielding coefficient index of 0.82 using Cronbach's Alpha was obtained from the pilot study. The research was answered using mean and standard deviation. The research hypotheses were tested at 0.05 alpha level of significance using the Non-parametric statistics. Hypotheses 1, 2 and 3 were tested by Kruskal Wallis, while hypotheses 4 was tested using the Man-Whitney statistics. Results indicated that there no significant differences with regards to the respondents' opinions on the null hypothesis. The finding of the study reveals agree that there is availability of interactive whiteboard in Federal Colleges of Education in North-east, this shows that the lecturer's perceived usefulness of interactive whiteboard for instructional purposes in Federal Colleges of Education, this shows that the level of lecturer's self-efficacy of using interactive whiteboard based on year of experience in Federal Colleges of Education and also shows that the lecturers faced challenges in utilization of Interactive Whiteboard in Federal Colleges of Education. The following recommendations are made. Lecturers should be giving opportunity to identify and exploit available interactive whiteboard (IWB) for their instructions, Adequate funds should be allocated

to the colleges for provision of more IWB with its components, Workshops, train and retrain should be organize in other to make colleges lecturers more competent and effective in relations to Interactive Whiteboard utilizations and alternative power supply sources to drive this equipment should provide in teacher training institutions.

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LIST OF ABBREVIATIONS

IWB: Interactive Whiteboard

ICT: Information and Communication Technology.

NCE: Nigerian Certificate in Education

NCCE: National Commission for Colleges of Education

FCE: Federal Colleges of Education

FCE (T): Federal Colleges of Education (Technical).

USB: Universal Serial Bus.

DVD: Digital Versatile Disc

VHS: Video Home System

CD: Compact Disc

SD: Storage Device

NCTE: National Centre for Technology in Education

VLE: Virtual Learning Environment

OHP: Overhead Projectors

QIWBUI: Questionnaire on Interactive Whiteboard Utilization for Instructional Purposes