

IMPLEMENTING CORE CURRICULUM AND MINIMUM ACADEMIC STANDARDS (CCMAS) WITH AUGMENTED REALITY (AR)

By

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Abstract

Education has been very vital in Nigeria before getting into any major employment. Several measures had been taken in the time past to address the issue of education. Some of these include classifying State by level of education, bridging the gap between the learned and the unlearned. More importantly, to see that graduates coming out of the Universities are employable. National Universities Commission (NUC) which has the oversight responsibility on universities is doing a lot to achieve this goal. A step in this direction led to the development of the Core Curriculum and Minimum Academic Standards (CCMAS). It is the standard academic curriculum designed for the purpose of educating and training undergraduate students who wish to obtain first degrees in various disciplines in Nigeran universities. As laudable as this process is, appropriate medium would be required to channel it. This paper explored the Augmented Reality (AR) approach to implement the CCMAS. AR as an emerging technology which involves overlaying of virtual contents on the physical environment allowing enhancement of user's perception and interaction with their environment have gained significant attention and popularity in recent years revolutionizing various industries such as gaming, education, training and simulation, healthcare, architecture, engineering and manufacturing, tourism, and many more. AR simplify hands-on and experiential learning, widening students imagination and enabling them to visualize complex concepts and manipulate virtual objects or their environments, leading to better understanding and retention of information. This study examines the CCMAS and how AR applications can be deployed to implement the CCMAS in our various universities to address some of the inherent gaps in traditional classroom settings such as lack of interest, low level of concentration, low comprehension and low information retention, often exhibited by some students leading to low performance. The proposed model for the implementation of CCMAS with AR would enhance learning experience, improve concentration, comprehension, and provide better information retention among the students resulting in better performance.

Keywords: CCMAS, AR, NUC, courses, guidelines.