



## **3-D Virtual Learning and Essential Student Management Workshop to support Teaching and Learning in Nigerian Universities**

### **Overview**

The global standard for teaching and learning has been driven by technology for a number of years. Across the world technology facilitated educational systems are more like the normal. Despite challenges in some parts of the world due to limited resources, erratic power supply and poor internet access, technology has continued to disrupt the way students learn and how they are taught. The sudden outbreak of the Covid-19 pandemic has further disrupted our educational systems the more. Like most black swan events that it has been likened to, Covid-19 within a relatively short period of time caused schools to be shut down and mainstream teaching and learning had to be transitioned online, affecting millions of learners and instructors around the world.

In coming to terms with the reality of how to make the transition from single to multiple modes of engagement with students, and the use of Laboratories stands out as a particular challenge especially for students in science related programmes. Thus, while platforms like Zoom, Google Meet and Microsoft Teams can help with low cost live remote classes, the digital tools that can help students with laboratory assignments, rehearsals and auditioning for dance and drama classes, are not very popular. The knowledge and use of virtual reality techniques to support teaching and learning and how to remotely deploy 3-D printing facilities to create immersive environments and rapid prototyping of designs are however, not very popular. It however, holds tremendous potential that can effectively meet the challenges posed by teaching some subjects online.

In Nigeria, the directive by the Federal Ministry of Education to close down schools effective March 23<sup>rd</sup>, in a bid to contain the spread of the coronavirus, requested all heads of institutions of higher learning to adopt alternative modes of learning for students. For

many public Universities this directive could not be acted upon as many schools did not have the facilities to deliver online teaching. For those that had, how to deliver the **40% of the curriculum** that was based on laboratory engagements was a major challenge. The directive exposed the need to quickly provide University management the information and knowledge of how to abate this challenge.

It is in this regard that the Committee of Vice Chancellors of Nigerian Universities is organizing a 4-day master class in collaboration with Ohio State University (OSU), the International Group of Education Transfer (IGET), LLC, and the Institute of International Training and Development (IITD) to promote student management and educational delivery using virtual reality teaching, 3-D laboratory and printing solutions in the medical and physical sciences, management sciences and humanities.

### **Training Objectives**

- Expose teachers and administrators to virtual reality enabled teaching and learning.
- Build capacity in how to deploy 3D printing solutions to support 3D teaching and learning using identified low cost but high quality 3-D immersive technologies.
- Identify workflows and best practice in deploying virtual reality enabled teaching.
- Learn how to effectively manage the transition from virtual classrooms to virtual reality studios and virtual laboratories.

### **Benefits of Training**

- Universities will be able to provide an avenue to improve students' participation/engagement in virtual learning during and post covid-19.
- Improve capacity of Universities to source for and deploy best in class virtual reality solutions
- Provide an environment for universities to collaborate with other institutions of higher learning anywhere in the world to augment their efforts at deploying VR solutions to their students
- Give students the opportunity to get VR experiences that will facilitate their understanding of complex concepts, theories and subjects.
- Participants will receive certification from The Ohio State University.

### **Target Audience**

The Virtual Training is targeted at persons in leadership positions involved in taking decisions with regards innovative teaching and learning resources management, research, student management and educational delivery methodologies. These includes:

- Vice Chancellors
- Deputy Vice Chancellors (Academics)
- Deans of Faculties
- Directors of ICT, Academic Planning and Research
- Heads of Departments

**Date:** 16<sup>th</sup> -19<sup>th</sup> November, 2020

**Duration:** 1pm – 5pm daily.

**Registration Fee:** 1,300 USD Only (Virtual Participants)

1,500 USD (In house Participants, Inclusive of Tea Break, Lunch and Access to fast Internet Facility)

**Venue:** Virtual platform created by Ohio State University

Inhouse Venue: Secretariat, Committee of Vice Chancellors of Nigeria,  
No4, Parakou Crescent, Wuse 2, Abuja

**Payment Details:** Domiciliary Account Number: 0779959417

Bank: Access Bank

Account Name: ODS Projects and Corporate Services Limited

**Facilitators:** The Ohio State University has carefully selected a compact group of experts with core cognate competencies from within the Ohio State University and other ivy league Universities such as Harvard University.

Interested Universities are kindly requested to send the names of Nominees to the Committee of Vice Chancellors, Projects Officer- Ms Sylverina Olaghere; [sylverina@cvcnigeria.org](mailto:sylverina@cvcnigeria.org), [olaghere@gmail.com](mailto:olaghere@gmail.com) on or before **22<sup>nd</sup> of October, 2020.**

**Limited Slots are available**

Please accept the assurances of my highest regards.

Thank you



**Yakubu A. Ochefu Ph.D., FHSN, MNAL**

Professor and Secretary-General