



THE TECHNICAL UNIVERSITY OF KENYA

Haile Selassie Avenue, P.O. Box 52428, Nairobi, 00200, Tel +254(020) 343672, 2249974, 2251300, 341639

Fax 2219689, Email: vc@tukenya.ac.ke, Website: www.tukenya.ac.ke

NAME: MR JOEL ODHIAMBO OYUGA

Current Designation:	Technologist, DEPARTMENT OF ARCHITECTURE, DESIGN AND PLANNING (DADP)	
Office Telephone:	+254(020) 2219929, 3341639, 3343672	
Official Email:	joel.oyuga@tukenya.ac.ke	
Consultation Hours:	8AM-5PM MON - FRI	

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Master of Construction Project Management	CONSTRUCTION PROJECT MANAGEMENT	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2024
Bachelor of Architecture (B.Arch)	ARCHITECTURE	JOMO KENYATTA UNIVERSITY OF AGRICULTURE & TECHNOLOGY(Kenya)	2007
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	NYANDARUA HIGH SCHOOL(Kenya)	1999
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	NYANDARUA BOARDING PRIMARY SCHOOL(Kenya)	1995

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2014 - to date	Technical university of kenya	Technologist

CURRENT RESEARCH PROJECTS

Investigation of the Current Usage of 5D Building Information Modelling by Building Contractors in Kenya.	Building Information Modelling
---	--------------------------------

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Kenyan Government Involvement on BIM and its Effect on BIM Adoption amongst Building Contractors.	View online	
Investigation of the current usage of BIM capabilities by large-sized building contractors in Kenya based on theory of innovation diffusion	View online	
Adoption of Digital Technologies for Heritage Conservation: the Case of Al-Busaidy Heritage Site, Mombasa County, Kenya	View online	2023
Investigation of the Current Level of Building Information Modelling (BIM) Adoption by Building Contractors in Kenya (Thesis)	View online	2024
Keeping Our Markets Open: A Post-Training Evaluation of the Cogni-Constructive Performance on Welding and Fabrication Concentrations in the Kenyan Jua Kali Sector Using the Dreyfus Model of Skill Acquisition	View online	2025

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Brian Boit Kiptoo	TOWARDS AN INFORMED READAPTATION - Application of Heritage Building Information Modelling (HBIM) in Adaptive Reuse in Kenya: The Case of Nairobi CBD	2021 - 2022

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Building information Modelling 2A	Foundational Lecture on BIM	2014 - TO-DATE
Building information Modelling 2B	Continuation of BIM 2a	2014 - TO-DATE
Building information Modelling 3A	Detail Modelling	2014 - TO-DATE
Building information Modelling 3B	Documentation of BIM detail models done in BIM 3A	2014 - TO-DATE
Building information Modelling 3C	Exploring 4D and 5D of BIM. Exploring collaboration with other professionals in the construction field	2014 - TO-DATE
Architectural Communication 3A,3B and 3C	Final studio project for the diploma programme throughout an academic year	2014 - APRIL 2021
Architectural Design 2A and 2B.	Introduction to Architectural Communication from freehand to using Technical Instrument. Going through the process of documenting a project using parallel projections and perspective projections, rendering of the documentation. Introduction to analysis including Site Analysis, Literature Review, Case Studies and Brief Analysis. Introduction to Conceptualisation, form modelling, scheme design, preparing working and detail drawings	APRIL 2021 - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE**INSTITUTION**

Registered Architect

BORAQS

EXTRA INFORMATION**DESCRIPTION****WORKSHOPS AND SEMINARS RECENTLY INVOLVED IN.**

s. Handling of a live studio project from June 2022 to October 2022, that resulted into a presentation on 26th October 2022 of the various proposal by successful candidates to Arch Patrick Ngetho, the representative of Jengana Hope Centre, as the studio [team leader](#) for EAAE/2020 class, shown in page 40 of this document

r. Curating and developing digital content with regards to Architectural Studio and Building Information Modelling (BIM) to improve asynchronous digital learning. Content can be accessed through this [link](#)

q. Glodon webinar entitled: Implementing 5D BIM On Construction Projects held on 24th March 2022 via web-conference as an attendee.

a. p. AAK webinar entitled: Nairobi Planning & Development Management System held on 22nd March 2022 via web-conference as an attendee.

a. o. BORAQS Seminar held on 17th and 18th March 2022 at Sarova Panafric / virtual as an attendee.

a. n. Member of the ODeL training committee at TU-K from June 2020 to August 2020 as a [member](#).

a. m. Training as a Competency Based Education and Training ToT at College of Insurance, South C in August 2019

a. l. Creating digital content and delivering digital learning in African universities - Stories of innovation from Ghana, Kenya, and Nigeria from June 2020 to December 2021 by International Network for International Network for Advancing Science and Policy (INASP) Digital University Project, as a [member](#). Detailed explanation can be found [here](#).

a. k. The Tenth NBS BIM Report 2020 by the UK National Building Specifications (NBS) held on 7th July 2020 via web-conference as an attendee.

a. j. Keeping Our Markets Open, An Initiative by the Technical University of Kenya for Developing Covid-19 Compliant Markets in Kenya from April 2020 to date, as a [member](#) of Architecture Design Team.

a. i. AAK Covid-19 Handbook, An Initiative by the Architectural Association of Kenya for Developing Covid-19 Approaches and Design Solutions in Kenya from March 2020 to April 2020, as a [member](#) of AAK-COVID Team 4.

h. AAK webinar entitled: The Construction Industry: Coping under Covid-19 held on 31st March 2020 via web-conference as an attendee.

a. g. AAK Stakeholder Validation Workshop on E-construction and One stop Shop Permit Centre held on 29th January 2020 at Sarova Panafric as an attendee.

f. AAK Stakeholder Validation Workshop on National Building Code Regulations held on 13th December 2019 at Boma Hotel as an attendee.

e. The Third Colloquium of The JKUAT Department of Architecture held on 21st November 2019 at JKUAT Department Boardroom as an attendee.

d. The 14th JKUAT Scientific, Technological and Industrialisation Conference and Exhibition held on 14th and 15th November 2019 at SAJOREC, JKUAT as a presenter.

c. Joint Technical University of Kenya and Hochschule Augsburg [Workshop](#) on held on 11th to 15 November 2019 at the Technical University of Kenya as presenter/ moderator.

b. 9th Annual East Africa Regional Workshop and Exhibition held on 4th - 5th September 2019 at University of Nairobi as a presenter.

a. Exchange Programme candidate for the Technical University of Kenya and Hochschule Augsburg held from May 2019 to July 2019 in Hochschule Augsburg, Germany.