

POSTGRADUATE STUDENT WEBSITE PROFILE

Registration Number	B52/41687/2022
Level (Masters / PhD)	MASTERS
Full Names	NDUTA DAVID KIBERA
Clear half body Photo (Not the face only)	
Student Short Biography (Max 250 words)	<p>Kibera is a graduate Architect. He holds a Bachelor of Architecture degree from the University of Nairobi and is well-positioned to lead in designing and creating energy-efficient buildings specializing in environmental design. He has more than ten years of experience as a technician architect. For the last two years, he has been assisting in teaching architecture studio at the Department of Architecture, UoN. As a graduate architect, he has worked with reputable architectural firms, Morphosis Architects and DLR Group, handling projects from conception, technical drawings, and construction to handover. Kibera's continuous dedication to making a difference through environmentally responsible designs is proof of the transforming potential of fusing passion with purpose.</p>
Thesis / Project Title	AN INVESTIGATION OF ENERGY EFFICIENCY AND OCCUPANCY LEVELS OF GLASS-CLADDED AND BIO-CLIMATICALLY DESIGNED BUILDINGS; - A Case of CBD, Nairobi
Thesis / Project Abstract (Max 250 words)	Today, buildings are thought to require more than 50% of the total energy consumed worldwide. This thesis focuses on creating energy-efficient buildings in Nairobi, narrowing on the design of energy efficiency and occupancy levels of glass-cladded against

	<p>bio-climatically designed buildings. The aim is on reducing energy consumption by incorporating cooling technology and electrical appliances, such as lighting systems, into the building envelope. Energy-efficient buildings provide residents with a comfortable living environment while using minimal resources and energy. The construction process, operating maintenance cycle, and demolition are all essential steps in making a building energy-efficient. The demand for energy-efficient building designs is increasing due to the depletion of resources, climate change, rising energy prices, and the energy crisis.</p>
<p>Student's Google scholar link (affiliated to student's university email)</p>	
<p>Other relevant academic links</p>	
<p>Research Supervisors</p>	<p>Arch. Musau Kimeu Dr. Joseph Mukeku</p>