



THE TECHNICAL UNIVERSITY OF KENYA

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School:	Mathematics and Actuarial Science
Department:	Pure and Applied Mathematics
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	MATHEMATICAL SCIENCES	UNIVERSITY OF CAPE TOWN(South Africa)	2020
Bachelor of Science (BSc)	MATHEMATICS	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2018
Postgraduate Diploma	MATHEMATICS	INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS(Italy)	2023
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	AGORO SARE MIXED SEC SCHOOL(Kenya)	2013

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
July, 2019 - TO DATE	THE TECHNICAL UNIVERSITY OF KENYA	GRADUATE ASSISTANT

GENERAL STATEMENT ON RESEARCH AREAS

Algebraic Topology

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
John Manyeki	Kleene's fixed point theorem and application in complexity analysis of algorithms	2021
Mikenickson Kamunya	The Banach's Contraction Principle - A Particular case of the Kleene's Fixed Point theorem	2021
Owino Samuel	EXPERIMENTAL DETERMINATION OF DYNAMIC VISCOSITY	2021
Beryl Apondi	MODELLING THE COMPLEXITY OF ALGORITHMS VIA PARTIAL QUASI-METRIC SPACES.	2021
Samwel Giceha Nderitu	ON THE APPLICATION OF FOURIER TRANSFORM IN DIGITAL IMAGE PROCESSING.	2021

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Real Analysis I	Sequences, series; and their convergence.	Jan 2021 - April 2021
Topology I	An introduction to fundamentals of point set Topology	Jan 2021 - April 2021