THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
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Consultation Hours:	8AM-5PM MON - FRI

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	APPLIED MATHEMATICS	MASENO UNIVERSITY(Kenya)	2022
Bachelor of Education (B.Ed)	SCIENCE	EGERTON UNIVERSITY(Kenya)	2010
Short Course/ Training	STATISTICAL PACKAGES FOR SOCIAL SCIENCE	EGERTON UNIVERSITY(Kenya)	2009
Short Course/ Training	COMPUTER APPLICATION	EGERTON UNIVERSITY(Kenya)	2009
Short Course/ Training	ACCOUNTING PACKAGES	EGERTON UNIVERSITY(Kenya)	2008
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	NGERE HIGH SCHOOL(Kenya)	2004

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2022 - CURRENT	TECHNICAL UNIVERSITY OF KENYA, OFFICE OF THE VC	ASSISTANT REGISTRAR
2018 - 2022	MASENO SCHOOL	TEACHER
2018 - 2022	ACK MASENO PARISH	PRIEST
2013 - 2017	UKWALA HIGH SCHOOL	TEACHER
2016 - 2017	ACK UKWALA PARISH	PRIEST
2015 - 2016	ACK UKWALA PARISH	DEACON
2010 - 2012	MASENO SCHOOL	TEACHER

GENERAL STATEMENT ON RESEARCH AREAS

Solution of Bio-heat Equation and its applications

Research Interests in Computational Fluid Dynamics

MHD fluid flow especially of Nanofluids

Singular Cauchy Problems of the Euler-Poisson-Darboux Equations

Research in New and Renewable Energies

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
On the Numerical Solution of Linear and Non-Linear Dirichlet Boundary Value Problems of Ordinary Differential Equations: The Shooting Method	View online	
A Numerical investigation of the influence of Natural Convection on the Temperature Profile for a Steady 2-Dimensional Magnetohydrodynamic Fluid Flow through a Cylindrical Pipe	View online	
On the Numerical Solution of Boundary Value Problem (BVP) of the Ordinary Differential Equation (ODE)-The Steady-State Bio-Heat Equation with Metabolic Heat Generation by Pseudo-Spectral Collocation Method	View online	
Effects of Inclination angle and Free Convection on Velocity Profile for a Steady 2-Dimensional Magnetohydrodynamic Fluid Flow in an Inclined Cylindrical Pipe	View online	

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
EABE2316	DIFFERENTIAL EQUATIONS	MARCH 2023 - MAY 2023
EMCQ4201	NUMERICAL METHODS	MARCH 2023 - MAY 2023
EEGQ2202	PROBABILITY AND STATISTICS	JANUARY 2023 - MARCH 2023
EEEE2021	TECHNICAL MATH B	JANUARY 2023 - MARCH 2023
EAAE1115	TECHNICAL MATH A	JANUARY 2023 - MARCH 2023