



THE TECHNICAL UNIVERSITY OF KENYA

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Current Designation:	Senior Technologist, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (DEEE)
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Consultation Hours:	8.000AM - 5.00PM

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Technology (M.Tech)	ELECTRICAL AND ELECTRONIC ENGINEERING	MURANG'A UNIVERSITY OF TECHNOLOGY(Kenya)	2022
Bachelor of Philosophy in Technology	ELECTRICAL AND ELECTRONICS ENGINEERING TECHNOLOGY	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2013
Higher Diploma	ELECTRICAL AND ELECTRONICS ENGINEERING (POWER OPTION)	THE KENYA POLYTECHNIC(Kenya)	2003
Diploma	ELECTRICAL ENGINEERING (POWER)	RAMOGI INSTITUTE OF ADVANCED TECHNOLOGY(Kenya)	1999
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	NDENGA SECONDARY SCHOOL(Kenya)	1991

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2023 - UPTO DATE	TECHNICAL UNIVERSITY OF KENYA	SENIOR TECHNOLOGIST
2014 - 2023	TECHNICAL UNIVERSITY OF KENYA	TECHNOLOGIST
2005 - 2014	NAIROBI JOINT DEPOT	SENIOR TECHNICIAN
2001 - 2001	MUGOYA CONSTRUCTION & ENGINEERING LIMITED	TECHNICIAN

GENERAL STATEMENT ON RESEARCH AREAS

My research focuses o modelling and simulation of a power transmission line

CURRENT RESEARCH PROJECTS

Voltage stability analysis Transient stability in power system

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Modelling and Energy Management Strategy in a Grid Connected Solar PV-battery Energy Storage System	View online	2021
Impact of Energy Management on a Solar Photovoltaic Microgrid	View online	2022

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Induction Machines	Single-phase machines: Construction, analysis of production of rotating magnetic fields, machine windings, revolving field theory, equivalent circuit, torque slip curves, starting methods; Three-phase induction motor: Construction, principle of operation, characteristics, rating, heating losses and efficiency. No load and locked rotor tests, equivalent circuit. Starting of three-phase induction motors, speed control, braking and overload protection. Applications of induction motors.	2023 - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
MEMBER	ENGINEERS BOARD OF KENYA
MEMBER	INSTITUTION OF ENGINEERING TECHNOLOGISTS AND TECHNICIANS OF KENYA