



THE TECHNICAL UNIVERSITY OF KENYA

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School:	Computing and Information Technology
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	INFORMATION TECHNOLOGY MANAGEMENT	UNIVERSITY OF NAIROBI(Kenya)	2021
Bachelor of Technology (B.Tech)	COMPUTER TECHNOLOGY	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2016
Diploma	COMPUTER TECHNOLOGY	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2014
Certificate	COMPUTER TECHNOLOGY	THE KENYA POLYTECHNIC(Kenya)	2011

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
25Th September 2021 - To-Date	Technical University of Kenya	Tutorial Fellow
Aug, 2019 - September 2021	THE TECHNICAL UNIVERSITY OF KENYA	GRADUATE ASSISTANT
March 2014 - July 2017	Water Resources Management Authority	Intern
2017 - 2019	WATER RESOURCES AUTHORITY	ICT OFFICER

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
INTRINSIC FACTORS AFFECTING DIGITAL INCLUSION IN HIGHER LEARNING INSTITUTIONS AMONG STAFF AND STUDENTS IN NAIROBI COUNTY	View online	

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
SYSTEM ANALYSIS	Introduction to System Analysis; Definition, Importance of System analysis, system analyst, Practice and theory interaction; Systems: introduction to systems, information systems, System theory; System Development Life Cycle: overview of life cycle phases, alternative Approaches to life cycle; problem definition; feasibility study: types, study, report; system investigation: introduction, terms of reference, fact finding, fact recording; system analysis: introduction, methodologies, tool and t	May 2021 - July 2021
Office Automation System	Introduction to Office Automation:-• Office Automation, computer, Input-Process-Output-Model, characteristics of a computer, advantages and disadvantages of using a computer. • History of computers, Generation of computers, categories of computers. Components of a computer, Management Information System' Word processing, Spread sheet, Presentation, Desk Top Publishing(DTP), Internet Technology	Jan 2021 - March 2021
Unix & Windows Server Operating System	Unix OS architecture,user interfaces,shell functions and commands,shell programming,kernel functions,customization,Unix applications,Unix and Computer networks Common Unix server software Windows Server Os:-Overview of SQL server	January 2020 - TO-DATE
Computer Programming 1- Structured Programming	Structured Programming is a programming paradigm that is widely used in program development.It allows students to acquire knowledge and training to enable them apply structured programming principles using C Programming language in program development	January 2020 - TO-DATE
System Design and Impementation	Introduction to System design: objectives, activities, qualities of a design, constraints ,Design tools and methods System development methodologies: traditional, structured, object oriented -Software prototyping: introduction, prototyping process and approaches -Design methods: JSP, SSADM, -choosing a development method; system specifications Structured walk through: objectives, types, guidelines, benefits Functional decomposition: module and level cohesion and coupling;	Jan 2024 - TO-DATE
System Design and Impementation	□Introduction to System design Design tools and methods System development methodologies; Software prototyping; Design methods; Structured walk through; Functional decomposition; System design models; Designing a system; System implementation; System maintenance; Software quality assurance, system acquisition; System project management; Evaluating ICT project;	Jan 2024 - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
HCIA Security	Huawei