<u>**CURRICULUM VITAE**</u>

Dr.Mwangi Peter Maina

Permanent Address:

P O BOX 75,   **Mobile: 0726445415**

10200,   **Hse. Tel: 0729485670**

Murang'a.   **E-mail:** **gachagomaina4@gmail.com;**

DOB: **1987**   Marital Status: **Married** Nationality: **Kenyan**

Career Objective:

- I aim to leverage my expertise in advanced computational theories and practical applications to contribute to cutting-edge research and development.
- My goal is to drive technological advancements in industry or academia through impactful research, collaboration, and the application of novel solutions to complex problems.
- I am eager to engage in opportunities that allow for continuous learning, interdisciplinary collaboration, and the advancement of technology for societal benefit.
- To make a significant contribution to my employer, profession and to the society as a whole from my experience and my developed professional, organizational, technical, interpersonal and leadership skills

Personal Profile

- Pro-active and results-oriented with broad technical and management experience in all aspects of Information and Communication Technology sector.
- A good planner with perfect organizational skills; able to see the bigger picture, plan and strategize to achieve results.
- Independent thinking and with an admirable ability to take corrections and guidance quite easily and cheerfully

- Humble, self-motivated and easily outgoing team builder and facilitator.

- Driven to learn, quick in learning and able to apply new ideas and concepts.

Academic Qualifications:

- **Doctor of Philosophy in Computer Science** Murang'a University of Technology, 2019- 2024. *Successfully completed Ph.D in Computer Science Title: An Extended LEACH Protocol for Efficient Energy Consumption in Wireless Sensor Networks.*

- *Master of Science in Data Communication, KCA University, 2014 – 2018. Project: An Approach for Determining Energy Efficient Protocol for Wireless Sensor Network.*

- *Bachelor of Science in Computer Science,* Busoga University 2007 – 2010

- *Secondary School,* Othaya Boys High School, 2003 – 2006: Grade **B**

Publications

- Cluster Head Selection Algorithms for Enhanced Energy Efficiency in Wireless Sensor Networks: A Systematic Literature Review, Mwangi peter, John Ndia and Geoffrey Muketha, June 2022.

- Machine Learning Load Balancing Techniques in Cloud Computing: A Review, Juliet Muchori and mwangi Peter, June 2022.

- An Extended K-Means Cluster Head Selection Algorithm for Efficient Energy Consumption in Wireless Sensor Networks Mwangi peter, John Ndia and Geoffrey Muketha May 2023.

Professional Membership:

- Institute of Electrical and Electronics Engineers (**IEEE**)**.**

- International Association of Engineers (**IAENG**)**.**

- Scientific & Technical Research Association (**STRA**)

Core Competencies

- ICT strategy development and implementation

- ICT policy development and implementation

- Information security policy development and implementation

- Implementation of database driven business systems

- IT network design implementations and support

- User support policies design and implementation

- Business continuity and disaster recovery planning and implementation.

- Business database systems design and implementation

- Computer and Network security.

- Cyber Security

- Computer Programming

Training Courses Attended:

- Cyber Security and emergency technology awareness training conducted by ICT Authority,Kenya

- Sensitization on ICT Integration in Teaching and Learning Workshop 9th May 2019 (Murang'a University of technology)

- TVET Exhibition: Theme, TVET for green economy march 2019

- International conference on accounting, finance and Information Technology 17th - 19th October 2018 (KCA).

- Workshop in intellectual property June 2018 (Murang'a University of technology)

Employment History:

Tutorial Fellow: Murang'a University of Technology (School of Computing and Information Technology) April 2019 …. To date

Teaching Assistant: Murang'a University of Technology (School of Computing and Information Technology) April 2013 ---------- March 2019

Principal Responsibilities:

- Contributing towards the achievement of the mission and vision of university i.e., teaching research and innovation
- Contributing effectively to the creation and circulation of knowledge through effective teaching research and publication.
- Designing, development and review of curriculum.
- Enriching the intellectual development of students through interaction and academic counseling in information and technology.
- Participating in the institution building and extra curricula activities

Lecturer Murang'a College of Technology (ICT Department)

September 2011 ---------- March 2013.

1st September 2009 – 31st October 2009: Attachment Kenya Broadcasting Corporation (KBC) as an IT Specialist. Duties.

- Offering user support.

- Network installation and support.

- Broadcast automation system.

- Installing operating systems and user application software.

- Troubleshoot and sort issues related to servers and high-end Work stations (both OS and hardware issues)

- Ensuring the smooth running of all ICT systems, including anti-virus software, print services and email provision;

Other Management Responsibilities:

- Examination and Timetabling Officer School of Computing and Information Technology (Muranga University of Technology) from 2013- To Date.

Part time lecturing Jobs

Sep 2019 – to date Gretsa university- School of computing and information Technology

Jan 2020-to April 2020 – Kirinyaga university- School of Pure and Applied Sciences

Games

- Volley ball

- Table Tennis

Hobbies

- Reading biographical novel

- Research and Writing

- Travelling and discovering

- Playing volleyball

- Participating in charity work

REFERENCES

Prof Geoffrey Muketha Muchiri

Director Post Graduate Studies and Phd Supervisor (MUT)

P.O. Box 75 – 10200 Murang'a

Tel. 0713108597

Dr John Ndia Gichuki

DEAN SCIT and Phd Supervisor (MUT)

P. O. Box 75 –10200

Murang'a Kenya

 Tel. 0725733449

Dr Aaron Oirere

COD CS (MUT)

P. O. Box 75 –10200 Murang'a Kenya

 Tel. 0713108597

Dr Geoffrey Mariga

Senior Lecturer -SCIT (MUT)

P. O. Box 75 –1020 Murang,a

Tel.0722440677