

# MR. PETER NIMBE



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## PERSONAL DATA

Name	Peter Nimbe
Place and Date of Birth	Accra, Ghana   16 <sup>th</sup> June 1986
Address	University of Energy and Natural Resources P. O. Box 214, Sunyani, B/A
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## EDUCATION

2017-2022	PhD, Computer Science   University of Energy and Natural Resources
2012-2014	MPhil, Computer Science   Kwame Nkrumah Univ. of Science & Technology
2005-2009	BSc, Computer Science   Catholic University College of Ghana
2001-2004	WASSCE, Science   St. Peter's Secondary School
1992-2001	BECE   St. Peter's Mission School

## EXPERIENCE

Feb. 2020-Current	<b>Lecturer</b>   University of Energy and Natural Resources Teaching courses like Information Security, Information Theory and Applications, Parallel and Distributed Databases, PC Hardware and Maintenance, Network Security and Cryptography, Applied Speech Technology, Principles of Programming, Computer Application Packages, Computer Literacy etc.  Teaching in the top-up programme: Network Security and Cryptography, Information Theory and Applications, Information Security, etc.
Feb. 2018-Jan. 2020	<b>Assistant Lecturer</b>   University of Energy and Natural Resources Teaching courses like Information Security, Information Theory and Applications, Distributed Systems, PC Hardware and Maintenance, Cryptography and Network Security, Data Structures and Algorithm, Visual Basic.Net, Applied Speech Technology, Principles of Programming, Computer Literacy, Computer Organization and Architecture, C++ Programming etc.  Teaching in the top-up programme: Operating System and Mobile Computing

Sep. 2017-Dec. 2017	<b>Part-Time Lecturer I</b> University of Energy and Natural Resources Teaching courses like Cryptography and Network Security, Speech Technology and Web Page Design
Sep. 2016-Jan. 2018	<b>Assistant Lecturer I</b> Catholic University College of Ghana Teaching courses likes Data Mining, Algorithm and Data Structures, Introduction to Compilers, Computer Graphics, C++ Programming, Visual Basic.Net, C# Programming, Java etc. for both regular and weekend school
Sep. 2010-Sep. 2016	<b>Senior Research Assistant I</b> Catholic University College of Ghana Teaching courses likes C++ Programming, Databases, Artificial Intelligence Visual Basic.Net, Distributed Systems, Data Structures and Algorithm, Computer Organization and Architecture, Computer Fundamentals and Internet, Information Technology etc.
Jan. 2011-Aug. 2014	<b>Software Developer and IT Instructor I</b> MAPRI-TECH Limited, Sunyani Training students in Microsoft Office Applications, Programming and Software Development etc.
Oct. 2013-Nov. 2013	<b>IT Facilitator I</b> RLG Communication, Sunyani Training students in Microsoft Office Applications and Information Technology
Dec. 2012	<b>IT Administrator I</b> Kofi Annan Peace Keeping Center In Collaboration with UNDP, WANEP and CUCG For Joint Party Election Results Monitoring (J-PERM) Project for Ghana's Election 2012 Setting up a LAN to run a system developed for monitoring Ghana's Elections
Aug. 2009-Aug. 2010	<b>Teaching Assistant (NSS)</b> I Catholic University College of Ghana Assisting lecturers and organizing tutorials
Jun. 2009	<b>Member of Research Mission I</b> Radboud Univ., Nijmegen, The Netherlands Research Mission and Exchange Program at iCIS (Institute for Computing and Information Sciences), Faculty of Science.
2004 - 2005	<b>Teaching Staff Member I</b> Royal Pentecostal Academy, Accra Teaching subjects like Mathematics, Agricultural Science and General Science

## COMMITTEE & POSITIONS HELD

Jan. 17 – Mar. 07, 2022	Quantum Computing Lecture Series Coordinator I UENR
Oct. 2021-Current I UENR	School Quality Assurance Committee (Rep. Computer Sci. & Informatics)
Aug. 2021-Current	Departmental Quality Assurance Member I UENR
Aug. 2021-Current	Departmental Examinations Officer I UENR
May. 2021-Current	Departmental App Challenge Member & Chairman I UENR
Jul. 2020-Sep. 2021	School E-Learning Committee I UENR
Nov. 2020-Current	Research & Seminar I UENR
Sep. 2018-2020	Computer Lab Coordinator I UENR
May. 2018-Current	Academic Counsellor I UENR
Sep. 2018-2020	Diploma Computer Science Committee I UENR

Mar. 2018-2020	Departmental Audit Committee   UENR
Mar. 2018-2020	Proposal Development Committee (Comp. Sci. & Inform. Dept.)   UENR
Sep. 2016-Jan. 2018	Website Management Committee   CUCG
Sep. 2016-Jan. 2018	Examination Malpractice Committee   CUCG

## ORGANIZATIONS

Aug. 2021- Current	Institute of ICT Professionals Ghana (IIPGH)
Jul. 2021- Current	Stanford Quantum Computing Association
Feb. 2021- Current	Python Ghana
Feb. 2021- Current	European Alliance for Innovation (EAI)
Dec. 2020- Current	International Computer Science and Engineering Society (ICSES)
Apr. 2020- Current	Institute of Research Engineers and Doctors (IRED) – Associate Member
2018-Current	Ghana Science Association (GSA)
Feb. 2018-Current	University Teachers Association of Ghana (UTAG)
Sep. 2014-Current	International Association of Engineers (IAENG)
May 2015-Current	International Association of Computer Science and I.T (IACSIT)
Jun. 2015- Jun. 2018	Institute of Research Engineers and Doctors (IRED) – Student Member

## IEEE TECHNICAL COMMITTEES, COUNCILS, COMMUNITIES

Sep. 2021- Current	IEEE Nanotechnology Council
Sep. 2021- Current	IEEE Sensors Council
Jul. 2021- Current	Intelligent Informatics, IEEE Computer Society Technical Committee
Jul. 2021- Current	Data Engineering, IEEE Computer Society Technical Committee
Jul. 2021- Current	Cloud Computing, IEEE Computer Society Technical Committee
Jul 2021- Current	Software Engineering, IEEE Computer Society Technical Council
Jul. 2021- Current	Security and Privacy, IEEE Computer Society Technical Committee
May. 2021- Current	IEEE Collabratec
May 2021- Current	IEEE Quantum Technical Community

## CERTIFICATES OF ACHIEVEMENT

Feb. 22, 2022	IEEE Quantum Internet Summit
Feb. 2, 2022	IEEE Quantum Computing Healthcare Summit
Jan. 10, 2022	IEEE Quantum Computing Innovation Summit
Dec. 27, 2021	IEEE Quantum Engineering Bootcamp: Module 2 - Integrating Your Findings - Best Practices and Pitfalls for Setting Up a Quantum HW Test Program
Dec. 27, 2021	IEEE Overview of Quantum Machine Learning Algorithms

Dec. 27, 2021	IEEE Spin Qubit System Integration with Advanced Semiconductor Manufacturing
Dec. 27, 2021	IEEE Implications of Quantum Technologies for Cybersecurity
Dec. 27, 2021	IEEE Bringing a Quantum Computer to Life with RF Pulses: Fundamental Aspects of Pulse Level Control
Dec. 27, 2021	IEEE Fundamental Concepts in Quantum Error Correction
Dec. 27, 2021	IEEE Quantum Systems Engineering for Scientists
Dec. 27, 2021	IEEE Systems Engineering Approaches and Challenges in Quantum Computing
Dec. 26, 2021	IEEE CEO Summit on Quantum Computing
Dec. 26, 2021	IEEE Quantum AI Sustainability Symposium
Dec. 26, 2021	IEEE Quantum: Quantum Engineering: Photonics in Quantum Computing and Quantum Networking
May. 12, 2021	IEEE Quantum: Automation and Synthesis of Quantum Circuits
May. 05, 2021	IEEE Quantum: A Hands-On Approach to Quantum Computing Learning – Comics and Coding
Apr. 28, 2021	IEEE Quantum Workforce Development: A New Approach to Quantum Machine Learning
Apr. 20, 2021	IEEE Quantum: Bootcamp - Module 1: Test and Evaluation for Quantum Devices

## CONFERENCES, SEMINARS, WEBINARS AND WORKSHOPS

Mar 02, 2022	<p>Quantum Webinar   IEEE</p> <p>Topic: IEEE Quantum Computing Climate Change Summit</p> <p>Keynote Speakers: <b>John Levy</b>, CEO, SEEQC, <b>Steve Brierley</b>, CEO, Riverlane, <b>Masayoshi Terabe</b>, Head of Quantum Transformation (QX), Sumitomo Corporation, <b>Paul Lipman</b>, President Quantum Platforms, ColdQuanta, <b>Richard Murray</b>, CEO, ORCA Quantum Computing</p> <p>Roundtable Discussion</p> <p>Moderator: <b>Raghunath Koduvayur</b>, Head of Marketing and Communications, IQM Quantum Computers</p> <p>Panelists: <b>Rima Kasia Oueid</b>, Commercialization Executive at United States Department of Energy, <b>Daniel Franke</b>, Principal at M Ventures, <b>Dr. Mansour Taghavi Azar Sharabiani</b>, Lecturer, Imperial College London</p>
Feb 02, 2022	<p>Quantum Webinar   IEEE</p> <p>Topic: IEEE Quantum Computing Healthcare Summit</p> <p>Keynote Speakers: <b>Mark Nicholas Jones</b>, CEO, Molecular Quantum Solutions, <b>Hans Melo</b>, Ph.D., CEO, Menten AI, Inc., <b>Joseph Emerson</b>, Ph.D., Head of Quantum Strategy, Keysight Technologies, <b>Julian van Velzen</b>, CTIO and Head of Capgemini Quantum Lab</p> <p>Invited Experts: <b>Dr. Frederik Flother</b>, IBM Quantum Life Sciences &amp; Healthcare Industry, Consultant, IBM Academy of Technology Member &amp; Master Inventor, Quantum Computing &amp; AI, <b>Dr. Elica Kyoseva</b>, Quantum Computing Scientist, Boehringer-Ingelheim</p>

Jan. 18- Feb 08, 2022	<p data-bbox="553 111 915 142">Webinar   Charles Sturt University</p> <p data-bbox="553 163 1378 231">Topic: Certified Information Systems Security Professional (CISSP) (Updated) Short Course</p>
Jan. 10, 2022	<p data-bbox="553 254 833 285">Quantum Webinar   IEEE</p> <p data-bbox="553 306 1146 338">Topic: IEEE Quantum Computing Innovation Summit</p> <p data-bbox="553 359 1378 491">Keynote Speakers: <b>Matt Johnson</b>, CEO at QC Ware, <b>Oscar Diez</b>, Head of Quantum Computing at the European Commission, <b>Jan Goetz</b>, CEO at IQM, <b>Michael Marthaler</b>, CEO at HQS Quantum Simulations, <b>Emmanuel Viale</b>, Managing Director at Accenture Technology Innovation</p> <p data-bbox="553 512 1378 642">Invited Experts: <b>Peter Clark</b>, Head of Computational Science &amp; Engineering, Johnson &amp; Johnson, Janssen Therapeutics Discovery, <b>Erik Huestis</b>, Partner, Foley Hoag, <b>Heather West</b>, Senior Research Analyst, IDC</p>
Dec. 27, 2021	<p data-bbox="553 665 833 697">Quantum Webinar   IEEE</p> <p data-bbox="553 718 1378 816">Topic: IEEE Quantum Engineering Bootcamp: Module 2 - Integrating Your Findings - Best Practices and Pitfalls for Setting Up a Quantum HW Test Program</p> <p data-bbox="553 837 1378 905">Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program</p> <p data-bbox="553 926 1378 995">Instructor: <b>Will Madsen</b>, Quantum Systems Engineering and Architecture Manager, Rigetti Computing</p>
Dec. 27, 2021	<p data-bbox="553 1018 833 1050">Quantum Webinar   IEEE</p> <p data-bbox="553 1071 1222 1102">Topic: Overview of Quantum Machine Learning Algorithms</p> <p data-bbox="553 1123 1378 1190">Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program</p> <p data-bbox="553 1211 1378 1310">Instructor: Dr. Troels Steenstrup Jensen, Head of KPMG Global Quantum and Head of Machine Learning at KPMG Denmark, Marco Ugo Gambetta, NewTech Consultant at KPMG Denmark</p>
Dec. 27, 2021	<p data-bbox="553 1333 833 1365">Quantum Webinar   IEEE</p> <p data-bbox="553 1386 1378 1453">Topic: Spin Qubit System Integration with Advanced Semiconductor Manufacturing</p> <p data-bbox="553 1474 1378 1541">Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program</p> <p data-bbox="553 1562 1378 1625">Instructor: Dr. Lester Lampert, Quantum Computing Engineer at Intel Corporation</p>
Dec. 27, 2021	<p data-bbox="553 1648 833 1680">Quantum Webinar   IEEE</p> <p data-bbox="553 1701 1268 1732">Topic: Implications of Quantum Technologies for Cybersecurity</p> <p data-bbox="553 1753 1378 1820">Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program</p> <p data-bbox="553 1841 1378 1942">Instructor: Dr. Troels Steenstrup Jensen, Head of KPMG Global Quantum and Head of Machine Learning at KPMG Denmark, Marco Ugo Gambetta, NewTech Consultant at KPMG Denmark</p>

- Dec. 27, 2021      Quantum Webinar | IEEE
- Topic: Bringing a Quantum Computer to Life with RF Pulses: Fundamental Aspects of Pulse Level Control
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Instructor: Dr. Lior Ella, Research and Product Team Leader, Quantum Machines
- Dec. 27, 2021      Quantum Webinar | IEEE
- Topic: Fundamental Concepts in Quantum Error Correction
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Instructor: Dr. Julian Kelly, Research Scientist, Google AI Quantum
- Dec. 27, 2021      Quantum Webinar | IEEE
- Topic: Quantum Systems Engineering for Scientists
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Instructor: Dr. John Martinis, Physics Professor, UCSB
- Dec. 27, 2021      Quantum Webinar | IEEE
- Topic: Systems Engineering Approaches and Challenges in Quantum Computing
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Instructor: Will Madsen, Quantum Systems Engineering and Architecture Manager, Rigetti Computing
- Dec. 26, 2021      Quantum Webinar | IEEE
- Topic: Quantum Engineering: Photonics in Quantum Computing and Quantum Networking
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Instructor: **Dr. Peter McMahon**, Assistant Professor, Cornell University School of Applied and Engineering Physics (AEP)
- Dec. 26, 2021      Quantum Webinar | IEEE
- Topic: Quantum CEO Summit on Quantum Computing
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program
- Keynote Speakers: **Rob Hays**, CEO & President, Atom Computing & **Dr. John Martinis**, CEO, Quantala & **Dr. Vikram Sharma**, CEO, QuintessenceLab & **Dr. Michele Mosca**, CEO, evolution
- Dec. 26, 2021      Quantum Webinar | IEEE
- Topic: Quantum AI Sustainability Symposium
- Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program

Keynote Speakers: **Dr. Lucas Joppa**, Chief Environmental Officer, Microsoft & **Ms. Jenny Bofinger-Schuster**, Senior Vice President for Sustainability & Operational Excellence, Siemens

Oct. 6, 2021

Dell Technologies Emerging Africa Forum | Dell Technologies

Topic: General Session - The Data Driven Future is Now

Speakers: **Habib Mahakian, Michael Dell, Mohammed Amin, Dawn Jones, Vanice Hayes, Jason Sandery, Aongus Hegarty, Daniel Keyworth, Haile Gebrselassie**, etc.

Topic: Create New Value by Innovating with Data

Speaker: **Faiz Parkar**, Messaging Director, Data Innovation, Dell Technologies

Topic: Developing a Collaborative, Agile Workspace with Dell Technologies

Speaker: **Jason Goh**, Director, Industrial Design Engineering, Dell Technologies

May. 12, 2021

Quantum Webinar | IEEE

Topic: Automation and Synthesis of Quantum Circuits

Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program

Instructors: **Amir Naveh**, Co-Founder and Head of Algorithms, Classiq Technologies

May. 05, 2021

Quantum Webinar | IEEE

Topic: A Hands-On Approach to Quantum Computing Learning – Comics and Coding with Q#

Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program

Instructors: **Dr. Kitty Y. M. Yeung**, Microsoft Quantum, Sr. Program Manager

May. 05, 2021

Quantum Webinar | IEEE

Topic: A Hands-On Approach to Quantum Computing Learning – Comics and Coding with Q#

Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program

Instructors: **Dr. Kitty Y. M. Yeung**, Microsoft Quantum, Sr. Program Manager

April. 28, 2021

Quantum Webinar | IEEE

Topic: Interesting Kernel-Based Quantum Machine Learning Approach

Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program

Instructors: **Dr. Jae-Eun Park**, Program Director for IBM Quantum GBS QCOC

April. 23, 2021

Quantum Web Seminar | WebEx

Topic: Quantum Talks

Instructors: **Carl Williams, Erik DeBenedictis, Chris Franzino, Anne Nielsen**

- April. 20, 2021 [Quantum Webinar | IEEE](#)  
 Topic: Test and Evaluation for Quantum Devices  
 Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program  
 Instructors: **Will Madsen**, Quantum Systems Engineering and Architecture Manager Rigetti Computing
- April. 14, 2021 [Quantum Webinar | IEEE](#)  
 Topic: Overview of Quantum Machine Learning Algorithms  
 Host: Maëva Ghonda, IEEE Chair, Quantum Computing Education for Workforce Development Program  
 Instructors: **Dr. Troels Steenstrup Jensen**, Head of KPMG Global Quantum and Head of Machine Learning at KPMG Denmark, and **Marco Ugo Gambetta**, NewTech Consultant at KPMG Denmark
- Nov. 29, 2019 [Graduate Research Workshop | TYCO CITY HOTEL](#)  
 Theme: Science and Society: Conducting Research in the Sciences and Engineering  
 Moderator: Dr. Mary Antwi | [UENR](#)  
 Chairperson: Prof. Harrison K. Dapaah | [UENR](#)  
 Speaker: Prof. Robert Kingsford-Adaboh | [UG, Legon](#)
- Oct. 28-Oct 29, 2019 [Workshop on Accelerated Computing by Nvidia Deep Learning Institute | UENR](#)  
 By: Dr. Mark Amo-Boateng, NVIDIA ambassador and DLI Certified Master Instructor, Lecturer, UENR
- Jan. 27, 2018 [Post Graduate Research and Data Analysis Seminar | UENR](#)  
 Courses: R Programming Software, SPSS, General Outlook, of Post Graduate Research  
 Authorized By: Prof. Emmanuel Opuni-Frimpong, Pro-VC/Dean, School of Graduate Studies
- Jan. 19, 2018 [Symposium on Smart Evolution, Digitized Ghana | UENR](#)  
 Sessions: Smart City, Smart Forest and Smart Energy  
 Chairman: Prof. Harrison Kwame Dapaah, Vice Chancellor, UENR
- Jan. 25, 2017 [Humboldt Fellowship and Award Opportunities | CUCG](#)  
 By: Prof. Daniel Obeng-Ofori (Vice Chancellor, CUCG and Humboldt Ambassador Scientist for Ghana)
- Mar. 22, 2017 [Do leaders' characteristics and regime transitions in Africa matter for citizens' health status? | CUCG](#)  
 By: Dr. Frank Gyimah Sackey, Lecturer, CUCG
- Feb. 8, 2017 [Tracking our electrical electronic waste footprint | CUCG](#)  
 By: Dr. Vincent Kyere, Lecturer, CUCG

## TRAINING

- Jul. 28, 2021 [Scopus Training for UENR. Elsevier](#)  
 By: Daneshree Moodley, Customer Consultant, Elsevier
- Mar. 3 – Mar. 4, 2021 [Scopus Training. Elsevier](#)  
 By: Daneshree Moodley, Customer Consultant, Elsevier

## REVIEWER

- Mar. 29 – Mar. 31, 2021 Indian Journal of Science & Technology  
Paper: Policy Compliance Standard for Underground Fiber Cable Deployment and Post-Deployment Protection - Manuscript IJST-2021-518  
Published: July 2021. Indian Journal of Science and Technology 14(25):2088-2094  
DOI: 10.17485/IJST/v14i25.518
- May 9 – May 12, 2020 Journal of Computer Science. Science Publications  
Paper: Adopting Intelligent Modelling in Underground Optical Network Fault Tracing: A Comprehensive Survey - Manuscript 6305-JCS  
Published: October 2020. Journal of Computer Science 16(10):1355-1366  
DOI: 10.3844/jcssp.2020.1355.1366

## PUBLICATIONS

- Nimbe, P., Weyori, B.A., Adekoya, A.F. (2022). A Novel Classical and Quantum Cryptographic Scheme for Data Encryption. Int J Theor Phys. DOI: 10.1007/s10773-022-05054-5
- Nimbe, P., Weyori, B.A., Adekoya, A.F. Awarayi N.S. (2022). Implementation of Framework for Quantum-Classical and Classical-Quantum Conversion. Int J Theor Phys 61, 37. DOI: 10.1007/s10773-022-04975-5
- Nti, I.K., Nyarko-Boateng, O., Boateng, S., Bawah, F.U., Agbedanu, P.R., Awarayi, N.S., Nimbe, P., Adekoya, A.F., Weyori, B.A., Akoto-Adjepong, V. (2021). Enhancing Flood Prediction using Ensemble and Deep Learning Techniques. 22nd International Arab Conference on Information Technology (ACIT). DOI: 10.1109/ACIT53391.2021.9677084, pp. 1-9.
- Nimbe P., Weyori B.A., Adekoya F.A. (2021). Rotation of bits: a classical and quantum perspective. Journal of Electrical Systems and Inf Technol 8(4). DOI: 10.1186/s43067-021-00029-8
- Nimbe P., Weyori B.A., Adekoya F.A. (2021). Models of Quantum Computing: a systematic review, Quantum Inf Process 20(80). DOI: 10.1007/s11128-021-03021-3
- Nimbe P., Weyori B.A., Yeng P.K. (2021). A Framework for Quantum-Classical Cryptographic Translation, Int J Theor Phys 60(1). DOI: 10.1007/s10773-020-04698-5
- Nti I.K., Adekoya F.A., Opoku M., Nimbe P. (2020). Synchronising social media into teaching and learning settings at tertiary education, International Journal of Social Media and Interactive Learning Environments 6(3):230 DOI: 10.1504/IJSMILE.2020.109228
- Yeng P.K, Nimbe P., Weyori B.A., Solvoll T., Yang B. (2019). Web Vulnerability Measures for SMEs, Proceedings of the 12<sup>th</sup> Norwegian Information Security Conference, NISK Journal, Vol. 12
- Nimbe P., Yeboah F.S., Opoku M. (2015). An Efficient Approach to Unifying Electronic Mail Services, International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 8, Issue: 4, pp. 317-326
- Opoku M., Davis J.G., Nimbe P. (2015). Security Evaluation of the Smartphone Platforms: A Case Study with Android, iOS and Windows Phones, International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 8, Issue: 3, pp. 234-259
- Opoku M., Davis J.G., Nimbe P. (2015). Evaluation of the Smartphone Platforms: A Case Study with Android, iOS and Windows Phones, International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 6, Issue: 1, pp. 72-92

Nimbe P., Hayfron-Acquah J.B., Weyori B.A. (2015) Performance, Security and Statistical Analysis of Nimbe Cipher 1 (NC1), International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 6, Issue: 1, pp. 37-60

Nimbe P., Hayfron-Acquah J.B., Weyori B.A. (2015). An Improved Symmetric Cipher Encryption For Securing Data, International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 4, Issue: 3, pp. 139-154

Nimbe P., Okyere E., Weyori B.A. (2015). An Alternative Technique For Finding the Nth Root of Real Numbers, International Knowledge Press, Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 3, Issue: 1, pp. 32-39, April 2015

Nimbe P., Opoku M., Frimpong S.O. (2015). Hashing String Keys Using NFO and NOF Collision Resolution Strategies, International Journal of Innovation and Scientific Research ISSN 2351-8014 Vol. 13 No. 1, pp. 89-97

Nimbe P., Opoku M., Frimpong S.O. (2014). Hash Table Collision Resolution Using a Multi-dimensional Array, International Journal of Innovation and Scientific Research ISSN 2351-8014 Vol. 9 No. 2, pp. 258-267

Nimbe P., Frimpong S.O., Opoku M. (2014). An Efficient Strategy for Collision Resolution in Hash Tables, International Journal of Computer Applications (0975 – 8887) Volume 99– No.10, pp. 35-41

## COMMUNITY SERVICE

2019	Evangelism, Preaching and Counselling   Odumaseyan Senior High School
2018-2020	Evangelism, Preaching and Counselling   Sunyani Nursing & Midwifery Training College - SNMTC
2016-Current	Evangelism, Preaching and Counselling   UENR
2014-2020	Evangelism, Preaching and Counselling   CUCG
2014	Barcamp Sunyani 2014 <b>Theme:</b> Growing a green economy November 22   VAG HALL - SUNYANI <a href="http://www.barcampghana.org/barcamp-sunyani-2014-growing-a-green-economy/">http://www.barcampghana.org/barcamp-sunyani-2014-growing-a-green-economy/</a> <b>Role Played:</b> Mentoring
2013	Barcamp Sunyani 2013 <b>Theme:</b> Energizing the resource base in Sunyani to act. November 9   UENR <a href="http://www.barcampghana.org/register-for-barcamp-sunyani-2013/">http://www.barcampghana.org/register-for-barcamp-sunyani-2013/</a> <a href="https://mightyafrican.blogspot.com/2013/12/enegerizing-resource-base-in-sunyani-to.html">https://mightyafrican.blogspot.com/2013/12/enegerizing-resource-base-in-sunyani-to.html</a> <b>Role Played:</b> Mentoring
2012	Barcamp Sunyani 2012 <b>Theme:</b> First-ever Barcamp Sunyani -- The experience. April 21   UENR - Faculty of Forest Resources Technology (KNUST - SYI) <a href="https://qaphui.blogspot.com/2012/04/1st-ever-barcamp-sunyani.html">https://qaphui.blogspot.com/2012/04/1st-ever-barcamp-sunyani.html</a>

## STUDENT PROJECT WORKS SUPERVISED (BACHELORS & DIPLOMA)

2021	Greener FM Management System   UENR
2021	District Education Office Information Management System (DEOIMS)   UENR
2021	Design and implementation of E-Commerce Website   UENR
2021	RentaRoom Software   UENR

2021	Design and Implementation of a Web-Based Alumni Tracking System for University of Energy and Natural Resources   UENR
2021	E-library Management System   UENR
2021	Pizzeria Ordering System   UENR
2021	Vehicle Management System for Danfos Auto Engineering and Consultancy   UENR
2021	UENR Management Information System   UENR
2021	Waste Management System in Rural and Urban Areas Using Internet of Things   UENR
2020	Designing a Website for the Department Of Computer Science and Informatics on UENR Campus   UENR
2020	Design and Implementation of a Pharmacy Information System: Case Study at Opportunity Herbal Clinic   UENR
2020	Design and Implementation of a Computerized Universal Point of Sales   UENR
2020	A Systematic Review of Pharmacy Information Systems   UENR
2020	Design and Implementation of Facility Management System (A Case Study of UENR Estate Office)   UENR
2019	IOT Based Smart Home Energy Management Application   UENR
2019	Tracking and Monitoring System for Ghana   UENR
2019	Mobile Application for Visually Impaired Students   UENR
2018	Predicting Air Pollution with Artificial Neural Networks   UENR
2018	Developing a Backbone Database System (Ghana as a case study)   UENR
2018	Digital Signature Verification using Artificial Neural Networks   UENR
2018	Intelligent Hybrid Algorithm for Municipal Waste Prediction (Case study of Sunyani Municipality)   UENR
2018	Load control management in intelligent networks   UENR
2018	Mobile Application to enhance client services of sanitation agencies, Case Study – Zoomlion   UENR
2018	Intelligent Approach to Predicting Power Generation   UENR
2017	Cloud Records Management (Patients Records)   CUCG
2017	University Systems (Website, Student, Lecturer Portal)   CUCG
2017	Airline Reservation System   CUCG
2017	Election Monitoring System   CUCG
2017	Ticketing and Tracking System for Interschool Games (SET)   CUCG
2016	Instructional Assistant for Junior High School (An Automated Teaching Assistant)   CUCG
2016	Disease Outbreak Monitoring System   CUCG
2016	An E-Commerce Application for Electronics Consumables   CUCG

## SOFTWARE PROJECTS UNDERTAKEN

Microfinance System (MiFi)  
National Climate Change Expert Mapping System  
Electronic Voting System  
SVD Information Management System (SIMS)  
Didactic Portal

## SKILLS

Quantum Computing (Python, Qiskit, jsqubits, TKET)  
Full-Stack Quantum Computation  
Web Programming (Python and Django)  
Data Analytics Programming (Python and Pandas)

## CONTACT

Peter Nimbe

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