

CURRICULUM VITAE (CV) OF PETER JEGRACE JEHOPIO

A. BIO-DATA

Surname: Jehopio
 First Name: Peter Jegrace Jemahachi
 Date of Birth: 15th July, 1957
 Citizenship: Ugandan
 Marital Status: Married (with five biological children)

 Address: C/o P. O. Box 40103 Kampala, Uganda

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B. ACADEMICS

| <i>DEGREE/DIPLOMA</i> | <i>YEAR</i> | <i>SPECIALIZATION</i> |
|---|-----------------|---|
| Doctor of Philosophy, PhD | (1995) | in Computer Science (Applied Computing) ; <i>from: Aristotle University of Thessaloniki TT 54006 Thessaloniki, Greece.</i> |
| Master of Education, MEd | (1991) | in Curriculum and Teaching ; <i>from: Makerere University, P. O. Box 7062 Kampala, Uganda.</i> |
| Master of Science in Software Techniques for Computer-Aided Engineering, MSc | (1987) | in Software Techniques for Computer-Aided Engineering ; <i>from: Cranfield Institute of Technology, MK 43 OAL Bedford, Britain.</i> |
| Post-Graduate Diploma, PGDE | (1984) | in Education and Teaching ; <i>from: Makerere University; P. O. Box 7062 Kampala, Uganda.</i> |
| Bachelor of Science, BSc (Hons) | (1982) | in Mathematics / Statistics ; <i>from: University of Dar-es-Salaam, P. O. Box 35065 Dar-es-Salaam, Tanzania.</i> |
| Secondary Education | (1972 -1977) | Senior 1 – Senior 6; Teso College Aloet, Soroti-Uganda. |
| Primary Education | (1965 -1971) | Primary 1 – Primary 7; Teilwa Primary School, Apac-Uganda. |

C. PUBLICATION

Journals Articles (accessible online)

1. **Peter Jegrace Jehopio** and Ronald Wesonga. (2017). Polytechnic Engineering Mathematics: Assessing its Relevance to the Productivity of Industries in Uganda. *Jehopio and Wesonga: International Journal of STEM Education* (2017). 4:16. DOI 10.1186/s40594-017-0078-z.
2. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). Effect of Information and Communication Technology-induced Multitasking on Academic Performance of University Students in Uganda. *International Journal of Computer Applications Technology and Research*. Volume 6–Issue 1, 23-31, 2017, ISSN:-2319–8656. DOI [10.7753/IJCATR0601.1005](https://doi.org/10.7753/IJCATR0601.1005).
3. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). Triggers of ICT Media Multitasking During Lecture Attendance: A Case Study of University Students in Uganda. *International Journal for Research in Emerging Science and Technology*, Volume-4, Issue-1, Jan-2017. E-ISSN: 2349-7610. pp 29-42. ijrest.net/downloads/volume-4/issue-1/pid-ijrest-41201712.pdf.
4. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). Internet Heavy usage and its Influence on Academic Achievement of University Students. *International Journal of Engineering Science and Computing*. Volume 7 Issue No.3. pp 5756-5762.
5. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). Effect of Online Social Networking Sites Usage on Academic Performance of University Students in Uganda. *International Journal of Computer Applications* (0975 – 8887). Volume 157 – No 5, January 2017. DOI 10.5120/ijca2017912711.
6. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). A Model for Predicting Academic Success at Lower Primary School Level: The Significance of Nursery School Attendance. *International Journal of Advanced Education and Research*. www.alleducationjournal.com. Volume 2; Issue 3; May 2017; Page No. 25-32. ISSN: 2455-5746.
7. **Peter Jegrace Jehopio**, Ronald Wesonga and Douglas Andabati Candia. (2017). Relative age effect on academic achievement of pupils at lower primary Level: Evidence from Uganda. *International Journal of Multidisciplinary Research and Development*. www.allsubjectjournal.com. Volume 4; Issue 5; May 2017; Page No. 166-175. Online ISSN: 2349-4182, Print ISSN: 2349-5979.
8. Frank Namugera, Ronald Wesonga and **Peter Jehopio**. Text mining and determinants of sentiments: Twitter social media usage by traditional media houses in Uganda. (2019) 6:3. *Journal of Computational Social Networks*. <https://doi.org/10.1186/s40649-019-0063-4>.
9. Candia, D. A., Ashaba, C., Mukoki, J., **Jehopio, P. J.**, & Kyasiimire, B. (2018). Non-School Factors Associated With School Dropouts In Uganda. *People: International Journal of Social Sciences*, 4(1).
10. Douglas Andabati Candia, James Mukoki, Claire Ashaba, **Peter Jegrace Jehopio**, Brenda Kyasiimire. (2018). The Significance of Private Tutoring in Improving English Language Literacy: A Structural Equation Modelling Approach. *Multidisciplinary Journal for Education, Social and Technological Sciences* EISSN: 2341-2593. <http://dx.doi.org/10.4995/muse.2018.9872>.
11. Douglas Andabati Candia and **Peter Jegrace Jehopio**. (2017). Factors Influencing Insecticide Treated Net Utilization Among Women in Uganda. *International Journal of Advanced Scientific Research*. ISSN: 2456-0421. Volume 2; Issue 3; May 2017; Page No. 55-60.
12. Malinga Ramadhan B, Maiga Gilbert, **Peter Jegrace Jehopio**, Kareyo Margret. (2017). Determinants of Mobile Money Services Adoption by Traders in Uganda. *International*

- Journal of Multidisciplinary Research and Development. Online ISSN: 2349-4182, Print ISSN: 2349-5979. Volume 4; Issue 8; August 2017; Page No. 189-20.
13. Malinga Ramadhan B, Maiga Gilbert, **Peter Jegrace Jehopio**. (2017). Validating Mobile Money Services Adoption Model for Trade Transactions in Uganda. The International Journal of Science & Technoledge (ISSN 2321 – 919X). Vol 5 Issue 10 October, 2017.
 14. Douglas Andabati Candia, **Peter Jegrace Jehopio**, Ronald Wesonga and Abraham Yeyo Owino. Influence of Mass Media on Contraceptive Use Among Women in Uganda. International Journal of Academic Research and Development. Volume 2; Issue 4; July 2017; Page No. 514-521.
 15. Francis Bbosa, Ronald Wesonga and **Peter Jehopio**. (2016). Clinical malaria diagnosis: rule-based classification statistical prototype. Bbosa et al. SpringerPlus (2016) 5:939. DOI 10.1186/s40064-016-2628-0.
 16. Businge Phelix Mbabazi, **Jehopio Peter** and JWF Muwanga–Zake. (2016). Assessing Intentional Human Insider Threat Mitigation in Ugandan Universities. Global Journal of Engineering Science and Researches. Vol. 3 No. 5: May 2016. pp 58-67. ISSN 2348 – 8034. DOI- 10.5281/zenodo.51579.
 17. Businge Phelix Mbabazi, **Jehopio Peter** and JWF Muwanga–Zake. (2016). Unintentional human insider threats mitigation measures in universities in Uganda. International Journal of Multidisciplinary Research and Development. Volume 3; Issue 5; May 2016; Page No. 59-66. Online ISSN: 2349-4182, Print ISSN: 2349-5979.
 18. Kimwise Alone, Gilbert Maiga, **Jehopio Peter**. (2016). A model for adoption of e-learning technologies: The perspective of Ugandan high education institutions (HEI). International Journal of Multidisciplinary Research and Development. www.allsubjectjournal.com. Volume 3; Issue 9; September 2016; Page No. 170-174. Online ISSN: 2349-4182, Print ISSN: 2349-5979.
 19. Kimwise Alone, Gilbert Maiga, **Jehopio Peter**. (2016). Factors for adoption of e-learning technologies in Ugandan high education institutions. International Journal of Multidisciplinary Research and Development. www.allsubjectjournal.com. Volume 3; Issue 9; September 2016; Page No. 165-169. Online ISSN: 2349-4182, Print ISSN: 2349-5979.
 20. Ronald Wesonga, Abraham Owino, Agnes Ssekiboobo, Leonard Atuhaire and **Peter Jehopio**. (2015). Health and human rights: a statistical measurement framework using household survey data in Uganda. Wesonga et al. BMC International Health and Human Rights (2015) 15:11. <http://dx.doi.org/10.1186/s12914-015-0049-8>.
 21. Ronald Wesonga, Fabian Nabugoomu, Abraham Owino, Leonard Atuhaire, Agnes Ssekiboobo, Xavier Mugisha, James Ntozi, Tom Makumbi, **Peter Jehopio** and Buruno Ocaya. (2015). On Statistical Definition of Free and Fair Election: Bivariate Normal Distribution Model. International Journal of Mathematical Research, 2014, 3(5): 49-62.
 22. Jennifer Somali Angeyo, **Peter Jehopio**, Ahmed Ochama. (2014). Logistic Retrogression Model for Evaluating the Influence of Environmental Factors on Legislative Data. International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Volume-4 Number-3 Issue-16 September-2014.
 23. Ronald Wesonga, Fabian Nabugoomu, **Peter Jehopio**, Xavier Mugisha. (2013). Modelling Airport Efficiency with Distributions of the Inefficient Error Term: An Application of Time Series Data for Aircraft Departure Delay. International Journal of Sciences: Basic and Applied Research (IJSBAR) (2013) Volume 12, No 1, pp 115-123.
 24. Jennifer Somali Angeyo, **Peter Jehopio**. (2013). Exploiting Agent Technology Problem Solving Method to Model the Relationship between Legislative Drafting and Law-making Actors. ARPN Journal of Science and Technology. VOL. 3, NO. 1, Jan 2013 ISSN 2225-7217.
 25. Richard Okelo Angole, **Peter Jehopio**, Gilbert Maiga. (2013). [Ontology Model: Towards bridging the gap between African traditional medicine and conventional](#)

- [medicine](#). International Journal of Knowledge-based and Intelligent Engineering Systems. Vol 17, No 1. pp 37-43. DOI 10.3233/KES-130263.
26. Ronald Wesonga, Fabian Nabugoomub, **Peter Jehopio**. (2012). Parameterized framework for the analysis of probabilities of aircraft delay at an airport. Journal of Air Transport Management 23 (2012). <http://dx.doi.org/10.1016/j.jairtraman.2012.02.001>. 1e4. _ 2012 Elsevier Ltd. All rights reserved.
 27. John B. Asiimwe, **Peter Jehopio**, Leonard K. Atuhaire, and Anthony K. Mbonye. (2011). Examining small area estimation techniques for public health intervention: Lessons from application to under-5 mortality data in Uganda. Journal of Public Health Policy. (2011). 32,1, 1–15. doi:10.1057/jphp.2010.46.
 28. R. Wesonga, **J.P. Jehopio** and V. Baryamureeba (2008). Stochastic Optimisation Model for Agricultural Production in Africa Using Remote Sensing Technology. Makerere University Research Journal (MURJ), Vol. 003(1), pp. 81 – 87.
 29. Jennifer Somali Angeyo and **Peter Jehopio**. (2010). An artificial neural network model for regulating legislative drafting practices in Uganda; Vol. 4; Janet Aisbett, Greg Gibbon, Anthony J. Rodrigues, Joseph Kizza Migga, Ravi Nath, Gerald R Renardel (Eds.), Strengthening the Role of ICT in Development. ISBN 978-9970-02-871-2, pp. 51-67.
cit.mak.ac.ug/.../Jennifer%20Somali%20Angeyo_%20Dr%20%20Peter%20**Jehopio**
 30. Jennifer Somali Angeyo, **Peter Jehopio** and Henry Michaels Onoria. (2010). Evaluating the Influence of Environmental factors on Legislative Data Using Support Vector Machine Techniques; Vol. VIII; Janet Aisbett, Greg Gibbon, Anthony J. Rodrigues, Joseph Kizza Migga, Ravi Nath, Gerald R Renardel (Eds.), Strengthening the Role of ICT in Development. ISBN 978-9970-02-871-2, pp. 247-261.
www.academia.edu/.../Evaluating_the_Influence_of_Environmental_factors_on_Le
 31. Florence Tushabe, Venansius Baryamureeba, Paul Bagyenda, Cyprian Ogwang and **Peter Jehopio**, (2008). The Status of Software Usability in Uganda. Special Topics in Computing and ICT Research Vol. IV; Janet Aisbett, Greg Gibbon, Anthony J. Rodrigues, Joseph Kizza Migga, Ravi Nath, Gerald R Renardel (Eds.), Strengthening the Role of ICT in Development. ISBN 978-9970-02-871-2, pp. 1-11.
 32. Ongaya Kizito, **Peter Jehopio** and Elwin Koster. (2008). [A Web-Based Spatial-Temporal Decision Support Tool For Humanitarian Support Distribution. ESRI Conference Presentation: UC2053.](#)
www.cartogis.org/docs/proceedings/2008/kizito.pdf.
 33. Angeyo J. S., Baryamureeba V., and **P. Jehopio**, (2006). A Dynamic Framework for the Protection of Intellectual Property Rights in the Cyberspace, D. Williams and V. Baryamureeba (Eds.). Special Topics in Computing and ICT Research: Measuring Computing Research Excellence and Vitality. Fountain Publishers. ISBN 13:978-9970-02-592-3; ISBN 10:9970-02-592-9, Vol. 1, pp. 230-247. cit.mak.ac.ug/iccir/downloads/SREC05.pdf

Books Published (all accessible online)

1. Ongaya Kizito and **Peter Jehopio**. (2012). Decision Support System: Web Based Spatio Temporal Decision Support Tool for Humanitarian Support. LAP LAMBERT Academic Publishing. ISBN 10: 3659179396 ISBN 13: 9783659179396. London, United Kingdom.
2. Kyoratungye-Karemente Apolinaris, **Peter J. Jehopio**. (2008). Dynamic Multi-media Information Provision for Promotion of Tourism. Thematic Proceedings of ATLAS Africa Conferences. Volume 5 - New avenues for tourism and wealth creation in Africa. ISBN: 978-90-75775-37-2.

3. Towards an Ontology Model for African Traditional Medicine
Authors: Richard Okelo Angole, **Peter Jehopio**, Gilbert Maiga, Godfrey Omoda-Onyait. (2012).
Series: [Frontiers in Artificial Intelligence and Applications](#).
Ebook: [Volume 243: Advances in Knowledge-Based and Intelligent Information and Engineering Systems](#). DOI 10.3233/978-1-61499-105-2-386. Pages 386 – 395. IOS Press.

D. RESEARCH SUPERVISION

DOCTORAL (PhD) DEGREES STUDENTS SUCCESSFULLY SUPERVISED

1. On the Application of machine learning in legislative drafting practice in Uganda: Jennifer Somali Angeyo, **PhD in Information Technology (Makerere University, 2017: 2006/HD18/6790U)**.
2. Small Scale Estimation Techniques: Focus on Under-five Mortality Data in Uganda: Asiiimwe John Bosco, **PhD in Statistics (Makerere University, 2003/HD15/2578U, 2014)**.
3. An Estimation of Airport Arrival Distributions: A Stochastic Modelling and Analysis Approach: Wesonga Ronald, **PhD in Statistics (Makerere University, 2011)**.
4. Drivers of Mobile Money Service Adoption in Uganda: The Case of Traders in Kampala City. Malinga Ramadhan B. **PhD in Management Information Systems (Kampala International University, PhDMIS/42703/92/DU, 2018)**.
5. A Model for Adopting E-Learning Technologies: The Perspective of Ugandan Higher Education Institutions: Kimwise Alone, **PhD in Management Information Systems (Kampala International University, PhDMIS/42795/92/DU, 2016)**.
6. A Framework for Effective Mitigation of Human Insider Threats to Institutional Data Security: Evidence From Higher Education Employees in Uganda: Businge Phelix Mbabazi, **PhD in Management Information Systems (Kampala International University, PhDMIS/5789/113/DU, 2016)**.

MASTERS STUDENTS SUCCESSFULLY SUPERVISED (*a select list*)

1. Predictors of Time to Initial Treatment After Malaria Onset: A Case of Under-Five Children in South Sudan. Majak Malak Adhil, Master of Statistics. (Makerere University, 2017) (2013/HD06/1236X).
2. Factors Associated with TB Treatment Outcome in TB-HIV Co-infected Patients in Uganda. Tumusiime Herbert, Master of Statistics. (Makerere University, 2017) (2013/HD06/1285U).
3. A web-based clinical malaria diagnosis system using data mining techniques, the rule-based classification algorithm. Bbosa Francis Fuller, Master of Statistics (Computing Option). (Makerere University, 2015) (2012/HD06/581U).

4. A system for Implementation and evaluation of continuous assessments in secondary schools: case of Seeta High School. Olal Daniel, Master of Statistics (Computing Option) (Makerere University, 2015) (2012/HD06/597U).
5. A Computerised Approach to Sample Selection for Demographic and Health Surveys in Uganda. Kisebo Robert, Master of Statistics (Computing Option) (Makerere University, 2015) (2001/HD15/1603U).
6. Critical parameters for adoption of Software Capability Maturity Model in Small and Medium Enterprises (SMEs). Amulen Christine Joyce, Master of Science in Computer Science. (Makerere University, 2008) (2004/HD18/1349U).
7. An Analysis of Voter Turnout Determinants: A Case Study of Kampala Central Division. Namata Ssimbwa Gladys, Master of Statistics Computing Option. (Makerere University, 2010).
8. A Heuristic for Wireless Metropolitan Area Network Optimum Performance: Focus on Terrain. Odongo Steven Eyobu, Master of Science in Computer Science. (Makerere University, 2008) (2005/HD18/655U).
9. An Analysis of Pooled Data for Monitoring Primary School Pupil's Proficiency. Opaman N. C. Amos, Master of Statistics Computing Option. (Makerere University, 2008).
10. A Dynamic Forecasting Model for Export Statistics from Uganda. Godwin Sempebwa, Master of Statistics Computing Option. (Makerere University, 2008).
11. Factors Associated with Adverse Effects of Cotrimoxazole Prophylaxis Among People Living with HIV/AIDS. Sserunkuuma Lutalo Bbosa, Master of Statistics Computing Option. (Makerere University, 2008).
12. A Probabilistic Decision Support System for Project Appraisal. Luswata Francis, Master of Statistics Computing Option. (Makerere University, 2008) (2005/HD18/652U).
13. A Computerised Queuing Decision Support Tool. Luyinda Herbert, Master of Statistics Computing Option. (Makerere University, 2008).
14. A Web-based Spatio-temporal Decision Support Tool for Humanitarian Support Distribution. Ongaya Kizito, Master of Science in Computer Science. (Makerere University, 2007).
15. A Knowledge Management Model for Small Industries. Pauline Phao Kabanda, Master of Science in Computer Science. (Makerere University, 2007).
16. Computer Fraud Detection: The effectiveness of ordered Alignment Models and Check Digits. Ndagire Mary Lucy, Master of Science in Computer Science. (Makerere University, 2007).
17. A Web-based Tour Guide Information System for Selection of Bird Habitat Location in Avitourism. Kyoratungye Karente A. 2004/HD18/1577U, Master of Science in Computer Science. (Makerere University, 2007).
18. A Dynamic Model for the Protection of Intellectual Property Rights in the Cyberspace. Angeyo Jennifer Somali, Master of Information technology. (Makerere University, 2007).

19. An Application of Dynamic Programming to Statistical Inventory Control. Nsereko Robert, Master of Statistics Computing Option. (Makerere University, 2007).
20. A Computerized Logistic Model for Prediction of Tuberculosis Disease. Nabasinga Proscovia, Master of Statistics Computing Option. (2001/HD15/1815U; Makerere University, 2006).
21. A Software for Descriptive Analysis of Mining Industry Indicators: The case of National Accounts of Statistics South Africa. Sakhele Gqabaza, Master of Statistics Computing Option. (Makerere University, 2006).
22. On Effectiveness of Integrated Statistical Model for Motor Insurance Risk Analysis. Ouma Joseph D. O., Master of Statistics Computing Option. (Makerere University, 2006).
23. A Computerized Birth-Weight Monitoring Management Information System Based on Multiple Regression Model. Katongole Abdul-El-Nasser, Master of Statistics Computing Option. (Makerere University, 2005).
24. A Real Time Computerized Model for Forecasting Sales: The Case of Beer Sales at Uganda Breweries Limited. Owilo Eddie Felix, Master of Statistics Computing Option. (Makerere University, 2005).
25. Time Series Analysis for Labour Statistics: A Computerized Approach for Statistics South Africa. Caiphus Hasani Mashaba, Master of Statistics Computing Option. (Makerere University, 2006).
26. An Automatic Speech Recognition: HumanComputer Interface for Kinyarwanda. Muhirwe Jackson, Master of Science in Computer Science. (Makerere University, 2005).
27. A Scalable Expert System for Personal Computer Repair and Maintenance. Sensalire Mariam, Master of Science in Computer Science. (Makerere University, 2005).
28. A Computer Information System for Monitoring: Focus on UPE Programme in Uganda. Nyanga -Odia Yosefu, Master of Science in Computer Science. (Makerere University, 2005).
29. Fortifying the Operating System CPU Scheduler. Lakuma Joel, Master of Science in Computer Science. (Makerere University, 2005).
30. Modelling Information Technology Flexibility Strategic Alignment and Derived Business Value: A Process Oriented Approach. Magadu Godfrey, Master of Science in Computer Science. (Makerere University, 2005) (2002/HD18/395U).
31. A computer Automated Approach to Statistical Analysis of Air Traffic in Uganda. Bukenya Joseph, Master of Statistics Computing Option. (Makerere University, 2005).
32. On Attack trees for Computer security Management. Apollo Kitaali, Master of Computer Science. (Makerere University, 2005).
33. eGovernance: On Enhancing Online Service Delivery in Uganda: Ssekakubo Grace, (Master of Information Technology). (Makerere University, 2004)
34. A Computerised Digital Elevation Model for Industrial Site Location Using GIS. Tabo Olok Geoffrey, Master of Science in Computer Science. (Makerere University, 2004).

35. A Computerised Digital Elevation Model for Cupressus Lusitanica Site Suitability in Uganda Using GIS. Waiswa Daniel, Master of Science in Computer Science. (Makerere University, 2004).
36. Improving Productivity Through Information Technology in Utility Organisations in Uganda: The Case of National Water and Sewerage Corporation. Odongkara Denis, Master of Management – IT Option. (Uganda Management Institute, 2004)
37. A Computerised System for Economic Models. Senoga Ndaula, Master of Statistics Computing Option. (Makerere University, 2002).
38. Non-Parametric Statistics: An Automation. Oryem George, Master of Statistics. (Makerere University, 2000).
39. A Computerised System for Probabilistic Analysis of HIV Data. Mulumba Noordin, Master of Statistics Computing Option. (Makerere University, 2002).
40. A Computerised Approach to Assessment of Impact of Donor Contribution to the Health Sector of Uganda. Lwanga John Baptist, Master of Statistics Biostatistics Option. (Makerere University, 2000).
41. A Decision Support System for the Estimation of Parameters of Sample Survey Data. Baguma Samuel, Master of Statistics Computing Option. (Makerere University, 1999).
42. A Computerised Approach for an Efficient Analysis of Survey Data Using Systematic Sampling Design, Wesonga Ronald, Master of Statistics Computing Option. (Makerere University 1999).
43. A Computerised Approach for an Efficient Analysis of Survey Data Involving Ratio and Regression Estimation. Asiimwe John Bosco, Master of Statistics Computing Option. (Makerere University, 1998).
44. A Computerised Approach to Improve the Estimation of Probability Density Functions and Regression Curves. Byamugisha Jimrex, Master of Statistics Computing Option. (Makerere University, 1998).
45. Decision Support System with Dynamic Programming. Muwonge Richard, Master of Statistics Computing Option. (Makerere University, 1998).
46. Application of Fourth Generation Computer Languages for Tracking Student Records. Spanogakis Christopher, Master of Computer Science. (University of Glamorgan - UK, 1994).

E. EMPLOYMENT BACKGROUND

1. Job Title: **Part-time Lecturer in Computer Science in Uganda Technology and Management University Department of Information Technology (2022 – to date).**

a) Aim of the Position

The main aim of the position is to teach, examine and supervise undergraduate and postgraduate students in ICT and Information Systems: “Audit and Computer

Security Assurance Principles; Human Computer Interaction; Geographic Information Systems; Business Systems Modelling; etc.

2. Job Title: Senior Lecturer in Computer Science in the Lira University Department of Computing and Information Science (2017 – Dec 2020).

a) Aim of the Position

The main aim of the position is to teach, examine and supervise undergraduate and postgraduate students in, general ICT and Computer Science: Computer security and Ethics; Discrete Mathematics, Computer Architecture, Software Engineering, Computer Programming, Systems Analysis and Design, Management Information Systems, etc. and to teach, examine and supervise postgraduate students of business studies.

3. Job Title: Managing Director Makerere Statistical Consult Limited and Lecturer in Statistical Computing in Makerere University School of Statistics and Planning, Department of Planning and Applied Statistics (2006 – 2017)

a) Aim of the Position

The main aim of the position of Managing Director Makerere Statistical Consult is to, approaching from the ICT component, set-up a consultancy bureau eventually to encompass statistical and population analyses components, for offering consultancy services to the community locally and internationally, for generating revenue to the Mekerere School of Statistics and Planning and its staff. While, as a lecturer, the assignment is to teach, examine and supervise undergraduate and postgraduate students in, general ICT and Computer Science: Discrete Mathematics, Computer Architecture, Software Engineering, Computer Programming, Systems Analysis and Design, Management Information Systems, Geographic Information systems and Computer-Aided Engineering.

b) Tasks Executed

As Managing Director of the Makerere Statistical Consults, the major tasks that I participate/participated in encompass(ed) the following.

- i) Review of consultancy capability and competitiveness of the School (2006 – to date). Our team set up the consultancy in the year 2007 and the review is an ever on-going process;
- ii) Competing for consultancy jobs as advertised locally and internationally. Relevant here: we won and are executed for the World Bank, “Uganda Household Survey for the Africa Migration Project (22nd Oct 2009 – 21st Mar 2010).” Here, I am the Authorised Representative;
- iii) Planning, coordinating, scheduling, assigning and supervising teams of experts for execution of consultancy assignments to the satisfaction of our clients;
- iv) Developing policy for the running of the Makerere Statistical Consult Ltd;
- v) Ensuring quality and timely accomplishment of consultancy assignments;

- vi) Negotiating contracts with clients once a consultancy job is won by the Makerere Statistical Consult Ltd;
- vii) Managing the budget and timelines of the Makerere Statistical Consult Ltd;
- viii) Advising the Makerere School of Statistics and Planning on viable consultancy interests;

4. Job Title: **Senior Lecturer / Chair, Research and Postgraduate Studies in Computer Studies in Kampala International University**: 2009 – 2016. Following interviews, letter of appointment to the position of Professor was expected at the end of December, 2016.

Aim of the Position (Professor in Computer Studies)

To develop the computer studies research agenda of the university and to teach, examine and supervise postgraduate students in, general ICT and Computer Science: Discrete Mathematics, Computer Architecture, Software Engineering, Computer Programming, Systems Analysis and Design, Management Information Systems, Geographic Information systems and Computer-Aided Engineering.

To chair and direct the research agenda in computer studies at postgraduate level.

5. Job Title: **Electronics Records Management Programme (ERMP) Regional Coordinator in the United Nations World Food Programme Regional Bureau for Southern, East & Central Africa** (2005 –2006)

a) **Aim of the Position**

The main aim of the position of the ERMP Regional Coordinator was to set up and implement electronic workflows (i.e. a paperless office as much as possible, and also making information promptly available whenever and wherever needed so that tasks could be efficiently accomplished) in United Nations World Food Programme (WFP) for edging towards maximum efficiency, effectiveness and security of institutional memory through empowerment of individual worker while guarding individual level of privileges. In the entire United Nations WFP, the first implementation of the ERMP outside the Rome Headquarters was in the Kampala Regional Office where I was based. Until then, the implementation in the Kampala Regional Office was the largest and the most challenging.

b) **Tasks Executed**

As ERMP Regional Coordinator, the major tasks that I participated in encompassed the following.

- i) Coordinating, planning, scheduling, and overseeing the electronic records rollout and implementation in the Kampala Regional Bureau HQs and in the 12 country offices (namely: Uganda, Kenya, Tanzania, Djibouti, Sudan, Eritrea, DRC Congo, Congo Brazzaville, Rwanda, Burundi, Somalia and Ethiopia);
- ii) Advising, identifying, classifying, and storing electronics records based on polices of the United Nations WFP business functional analyses as per ISO 15489; ISO 27002 and ISO 27001 (Clause 7, ISO Clause 10, ISO Clause 13, ISO

- Clause 14, ISO Clause 15); ISO/IEC 21117:2005 and United States DoD Standard 5015.2; towards streaming and harmonisation of workflows in the worldwide WFP (80 countries) for effective productivity.
- iii) Reviewing country office plans and policy on implementation of electronic records programme;
 - iv) Developing electronic workflows, workflow policy; analysing and attending to user needs, and furnishing workers with functional information, documentation and advising on and creating new record codes as appropriate;
 - v) Creating, approving, and enforcing policies and practices regarding electronic records, including their organization and disposal based on WFP business functions;
 - vi) Specifying computer software and hardware for the implementation of electronic records management programme for each of the 12 plus the headquarters' and seeing to their installation and commissioning;
 - vii) Developing a electronic records storage policy, which included the short and long-term housing of physical records and digital information;
 - viii) Establishing infrastructure for information sharing, assessing, monitoring and evaluating the quality of electronic records registered for ease of retrieval, long and permanent archiving;
 - ix) Coordinating access to electronic records internally and outside of the WFP, balancing the requirements of business confidentiality, data privacy, and public access;
 - x) Executing a retention policy and guidelines on the disposal of electronic records which were no longer required for operational reasons; according to WFP policies, statutory requirements, and other regulations this would involve either for destruction or permanent preservation in an archive;
 - xi) Spearheading weekly teleconferences concurrently hooking up all the 12 countries, the Regional Kampala HQs and the WFP HQs in Rome;
 - xii) Training, coaching and apprising the 78 ERMP staff in the 12 countries and in the Regional Bureau HQs on electronic records equipment operations, workflows and infrastructure for information sharing;
 - xiii) Training in electronic records use, all the staff in the WFP Kampala Regional Office and the associated 12 country offices;
 - xiv) Providing regular written reports to the WFP HQs in Rome on the ERMP activities and progress;
 - xv) Representing and fronting the WFP ERMP in the 12 Regional Offices and in the Kampala Regional Bureau HQs;
 - xvi) Deputising UN WFP Records Manager based in the HQ in Rome;
 - xvii) Advising the UN WFP Records Manager and ERMP Management Team based in the HQ in Rome on;
 - xviii) Responding to and resolving emergencies as they arose on electronic records infrastructure;
 - xix) Working closely with developers and a variety of end users to ensure technical compatibility and user satisfaction.

6. Job Title: **Senior Lecturer in Computer Studies & Chair Computer Studies Research**
(2009 –)

a) **Aim of the Position**

The main aim of the position of Cahir Computer Studies Research was to direct computer studies doctoral and masters students research, coordinate staff in the area of computer studies research and publication and chair relevant meetings and presentations.

The lecturing position covered, teaching computer science and information technology at graduate levels.

7. Job Title: **Head of Computer Science Department, Faculty of Computing and Information Technology & Research and Graduate Students Advisor & Lecturer** (2003 – 2005)

a) **Aim of the Position**

The main aim of the position of Head of Department of Computer Science was to develop and run computer science academic programmes at doctoral, masters, undergraduate, diploma and certificate levels; to conduct research in computer science and to offer service to community through ICT Consults Ltd. Also, the position entailed administering the departmental staff and resources and representing the department in faculty boards and the senate.

The main aim of the Research and Graduate Students Advisor was to direct and coordinate the research efforts of the entire faculty, both for students and for staff and to advise students on viable research areas.

The lecturing position covered, teaching computer science at graduate levels, teaching professional programmes such as International Computer Driving Licence and Cisco networking academy certification and supervising student research at all academic levels.

b) **Tasks Executed**

As Head of Department, the major tasks that I participated in were the following.

- i) Planning for the department, particularly preparation of staff establishment as the department was still quite young.
- ii) Coordination of curriculum development and examinations.
- iii) Advising the faculty on hard- and software procurement;
- iv) Receiving and attending to local and international guests to the department;
- v) Representing the department in local and international forums;
- vi) Inducting new staff;
- vii) Administering the department;

- viii) Ensuring that budgets are adhered to and deadlines met;
- ix) Advising the Makerere University Appointments Board on recruitment of ICT human resource.
- x) Representing the university on ICT for a.

As Research and Graduate Student advisor, the major tasks that I participated in were the following.

- i) Developing research policy;
- ii) Writing research grant proposals for donor funding;
- iii) Advising students on viable research programmes;
- iv) Facilitating research group formation and running;
- v) Vetting student research work;
- vi) Organizing research workshops;
- vii) Inviting research guest speakers.

8. Job Title: Ag. Principal and Head of Training Uganda Institute of Information and Communications Technology (2001 – 2003)

a) Aim

The main aim of the position of Head of Training and Acting Principal of Uganda Institute of Information and Communication Technology was to head and lead the institution charged with the task of developing and running professional certification and practical ICT diploma level curriculum so as to address fast growing national and regional ICT needs and to offer service to community. Such courses developed were 'ICT for Development', and 'Repair and Maintenance of ICT Equipment.'

b) Tasks Executed

As Head of Training and Chief Executive, the major tasks that I participated in were the following.

- i) Secretary to the Board of Directors;
- ii) Coordinating and heading the overall administration, planning, management, finance and security functions of the Uganda Institute of Information and Communication/Computer Technology;
- iii) Reviewing and adopting in conjunction with International Telecommunications Union (ITU) information and computer/communication technology training standards for regional countries;
- iv) Raising funds for the running of the Institute;
- v) Advising the Board and Directors and facilitating Board of Directors meetings.

9. Job Title: Senior IT Consultant (1997 – 2001) in Uganda Management Institute (UMI)

a) Aim

The main aim of the position of Principal IT Consultant was to provide high level IT and management information system consultancy to clients and to participate in training high level managerial staff.

b) Tasks Executed

As Principal IT Consultant, the major tasks that I participated in were the following.

- i) Leading ICT consultancy teams;
- ii) Providing consultancy work to UMI clients, e.g. to the office of the Inspector General of Government;
- iii) Coordinating curriculum development particularly on management information system and on functional IT applications, for diverse human resource levels such as executives, top management, middle management, lower-cadre workers and support staff of Government ministries and NGOs;
- iv) Facilitating IT training to diverse human resource levels such as executives, top management, middle management, lower-cadre workers of Government ministries and NGOs and teleconferencing audience across the world;
- v) Participating in the setting up of hardware and software teleconferencing system;
- vi) Facilitating across the globe, during teleconferencing training sessions;
- vii) Reviewing policy on examinations (culminating into *Jehopio Report*).

10. Job Title: Lecturer (Part-time) University of Glamorgan (North College Campus) Mid Glamorgan CF37 1DL, Britain. (1992 – 1996)

a) Aim and tasks executed

The main aim of the position of Lecturer in University of Glamorgan was to teach and examine mathematics and computer science courses to undergraduate and postgraduate degree students. The courses taught and examined covered discrete mathematics, computer engineering, computer programming, business information systems, management information systems, computer literacy, database management systems and software engineering.

11. Job Title: National Expert/Systems Analyst (1987 – 1992) on the national census of Agriculture and Livestock

a) Aim

The main aim of the position of National Expert/Systems Analyst was to function as a team member to design and implement national census of agriculture and livestock and to develop a permanent system for data collection, storage, retrieval and methodology for future execution of censuses.

b) **Tasks Executed**

As National Expert/Systems Analyst, the major tasks that I participated in were the following.

- i) Reviewing existing Uganda national agricultural and livestock system, particularly the sections relating to data processing and IT implementation;
- ii) Initiating and listing requirements for new national agricultural and livestock census system, particularly the sections relating to data processing and IT hardware and software implementation;
- iii) Translating agricultural and livestock census requirements into information technology (IT) project briefs and policy;
- iv) Providing guidelines and technical support to agricultural and livestock census options for potential IT alternative solutions and assessing the potential IT alternative solutions for technical, operational and economic suitability and producing project feasibility reports;
- v) Coordinating data edit, entry and cleaning;
- vi) Drawing up specific design proposals for modified or replacement of agricultural and livestock census national system, particularly the sections relating to data processing and IT hardware and software implementation;
- vii) Presenting proposals orally, in writing and graphically particularly using data flow diagrams, entity-relationship modelling, system charts and tables to management and donors for approval;
- viii) Computer programming;
- ix) Ensuring that deadlines were met;
- x) Coordinating the implementation of a new national system of agriculture and livestock census, particularly the sections relating to data processing and IT implementation;
- xi) Drawing up testing schedule or change-over procedures for the new national system of agriculture and livestock census;
- xii) Coordinating field activities on data collection, resolution of operational problems on specifications and standards adherence;
- xiii) Writing user manuals;
- xiv) Training enumerators, data editors and data entry staff, particularly the sections relating to data processing and IT implementation;
- xv) Training users in the operation and application of the new national agricultural and livestock census IT system, particularly the sections relating to data processing and IT implementation;
- xvi) Keeping up-to-date with advances in IT.

12. Job Title: Deputy Managing Director (1986 – 1987) in International Computer Limited (ICL)

a) **Aim**

The main aim of the position of Deputy Managing Director was to engage in selling computer hardware and software to clients, including the Government of Uganda as the main client then.

b) Tasks Executed

As Deputy General Manager, the major tasks that I participated in were the following.

- i) Participating in computer hardware and software sales;
- ii) Participating in computer hardware and software maintenance;
- iii) Training and supporting clients on use of computer hardware and software;
- iv) Deputising the General Manager.

13. Job Title: Principal Lecturer and Head of School of Technical Teacher Education – Uganda Polytechnic Kyambogo (1982 – 1986)

a) Aim and Tasks Executed

The main aim of the position of Lecturer in Uganda Polytechnic Kyambogo was to teach mathematics to electrical, civil, mechanical engineering technician students and to science laboratory and technical teacher education students and to design mathematics curricula, teach and examine mathematics courses.

As Lecturer, the major tasks that I participated in were the following.

- i) Designing mathematics and science curricula, teaching and examining mathematics and science both internally and externally;
- ii) Supervising student projects;

F. CONSULTANCY ENGAGEMENTS (*Pertinent assignments*)

1. Assignment: **Inspection and Accreditation of Tertiary Institutions** (Year 21010 – to date)

Client: **Uganda National Council for Higher Education**

Position in Team: **Team Leader**

Tasks: **Inspecting of technology-based and skill-based tertiary educational institutions and recommending or not to the National Council for accreditation.**

2. Assignment: **Uganda Household Survey for the Africa Migration Project** (22nd Oct 2009 – 30th Jan 2010)

Client: **The World Bank**

Executor: **Makerere Statistical Consult Ltd.**

Position in Team: **Authorised Representative and IT Data Management Expert**

Tasks: First was to bid/compete for and win the contract. The currently running assignment entails designing data collection instruments,

coming up with appropriate methodology, collecting data, analysing data, writing draft/final (and disseminating findings); to aid the World Bank enact policies on migration especially that a significant proportion of cash inflows to developing countries appear to to-date result from migrant workers remittances.

3. Assignment: **Study on the Socio-Economic Impact of the Rural Communications Development Fund (RCDF) Projects and Survey on Household Information and Communications Technology (ICT) Demand and Usage (June – Dec 2008)**

Client: **Uganda Communications Commission**

Executor: **Development Consultants Ltd.**

Position in Team: **Team Leader**

Tasks: First was to bid/compete for and win the contract.

The overall aim of the task regarding the national ICT demand and usage household was to measure effective demand for ICT, assess levels of affordability of and awareness about ICT services in various parts of the country, with specific focus on:

- Assessment of national household access to ICT;
- Quantification of levels of usage of various ICTs in Uganda;
- Measurement of national demand for ICTs;
- Examination of disparities in access to ICTs;
- Assessment of levels of demand for ICTs;
- Determination of level of public awareness on ICT regulation, pricing and quality of service;
- Assessment public opinion of the Uganda Communication Commission.

The other tasks were countrywide assessment of performance of the RCDF-supported Internet cafés, ICT training centres and telecentres and make appropriate recommendations for the improvement of accessibility and quality of such centres/ services in the country.

4. Assignment: **Computer System Upgrade and Data Migration (Jan – June 2008)**

Client: **Uganda Change Agent Association (NGO)**

Executor: **Dr. Peter Jehopio**

Position in Team: **Sole Developer**

Tasks: First was to bid/compete for and win the contract. The remaining tasks were migration of the corporate dataset (involving financial and the rest of administrative data) from the old dBASE programs to C Sharp and Microsoft Access and to specify and upgrade the hardware and software for countrywide operations. Legacy system/software was taken care of.

5. Assignment: **Computerisation of the Leadership Code** (*Mar – Nov 2004*)
Client: **Inspectorate General of Government** (Uganda)
Executor: **Development Consultants Ltd.**
Position in Team: **Deputy Team Leader**

Tasks: First was to bid/compete for and win the contract. The other tasks were to computerise the Leadership Code which involved setting up the servers for the hardware component and developing software for use, focussing on data on declaration of income, assets and liabilities required from leaders and the enforcement and functions of Inspectorate.

6. Assignment: **Personal Computer Repair and Maintenance Uganda Desk Officer and Resource Person** (*Sep. – Nov. 1995*)
Client: **British Council in Uganda**
Executor: **Swansea College UK and Uganda Polytechnic Kyambogo**
Position in Team: **Desk Officer Uganda and Resource Person**

Tasks: First was to present a project proposal to British Council and win. The remaining tasks were, in conjunction with Swansea College (United Kingdom) and Uganda Polytechnic Kyambogo facilitate personal computer repair and maintenance workshops for technicians in Uganda. The workshop content covered the following.

- Dismantling and assembly of personal computers
- Upgrading personal computers
- Setting-up Windows Operating Systems and application programs
- Repair and maintenance of peripheral devices in microcomputer systems
- Setting-up hard drive subsystems
- Creating recovery disk
- Cleaning viruses, trojans and worms
- Troubleshooting common problems in personal computers

G. SERVICE TO COMMUNITY

1. Chairperson (2017 – to date) of Every Child Ministries. An NGO with HQs based in the USA. <https://www.ecmafrica.org/>
2. Team leader and member on several National Council for Higher Education visitation assignments.
3. Chairman Development Sub-Committee of Ntinda Primary School Management Committee (*2006 – to date*)

4. Coordinator Postgraduate Study Programmes Makerere University School of Statistics and Planning (2013 – 2017).
5. Founder Member and Deputy Director (Research and Operations) of the Association for the Education of Gifted Children (Uganda Ltd.; 2009 – to date)
6. Church elder (1986 - to date)
7. Executive Committee Member (2001– 2006): International Society for Improving Training Quality (ISITQ) www.isitq.org / www.uia.org
8. Executive member of the Uganda Mathematical Society (2006 – 2012).
9. Member of the Uganda National Council for Science and Technology (1996 - 2000).
10. Vice Chairman and member (1996 – 2002): Board of Governors, Chawente Secondary School, Uganda.