Sena Ok — Curriculum Vitae

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Profile Summary

Sena is a highly analytical, client-focused, results-oriented professional who is transitioning from an education and research-based role into the IT industry. She is an accomplished researcher, scholar, and instructor with experience in personalized and accessible instructional content development, technical report writing, stakeholder engagement, and workflow analysis. Her passion for building and establishing functional relationships and maximizing learning impact through high-quality, accessible content demonstrates her unwavering commitment to user experience. Sena has worked with diverse teams across different countries to teach various aspects of management information systems (MIS) and conduct research at the intersection of health information systems, social networking, mobile technology, and other developmental topics. Her research publications, journals, and papers are cited and referenced globally. In 2016, Sena received the prestigious US-funded Fulbright Scholarship and served as co-director of mentoring at the International Center for Information Technology & Development (ICITD), mentoring graduate students in writing clear, concise, and engaging technical reports and documentation. She was also a research fellow at the Ted Rogers School of Management (Toronto). She jointly produced three research publications on user behavior and experience while using mobile apps for mental health. On the "One Person, One Record" (OPOR) project at the Nova Scotia Health Authority (NSHA), Sena helped develop a stakeholder engagement and sustainment strategy for the Clinical Information System (CIS) deployment phase. With over 17 years as an educator, Sena has taught and mentored more than 5000 students from bachelor's to doctorate levels, consistently achieving student satisfaction scores above 90%. As an assistant professor at Metropolitan State University, she leverages student feedback and data to implement evidence-based interventions and drive continuous process improvement in teaching methodologies and curriculum design. Sena builds trust with colleagues and students by combining teaching with thought leadership, managing micro-credentials programs, and contributing to the growth of the MIS faculty through people, program, and student management.

Education

Ph.D. Management Information Systems | Covenant University, Nigeria | 2013
M.Sc. Digital Innovation (Health Informatics Certificate) | Dalhousie University, Canada | 2022
M.Sc. Management Information Systems | Covenant University, Nigeria | 2009

Technical Skills

Content & Technical Documentation: Proficient in developing clear, concise, accessible, and engaging content for diverse audiences, including curriculum design, training materials, learning needs personalization, knowledge base articles, technical tutorials, user guides, scientific reports, and scientific reviews.

GenAI & LLM Utilization: Proven ability to implement Generative AI tools and Large Language Models (LLMs) to optimize content creation workflows, automate documentation processes, and enhance knowledge access, driving efficiency and innovation. Experience includes leveraging LLMs for automated content generation, data analysis (sentiment, topic modeling), and developing/fine-tuning for applications such as personal assistants while employing prompt engineering to optimize outputs and selecting appropriate tools for specific project needs.

User Research & Analysis: Expertise in conducting content review, user research using qualitative (user interviews, usability testing) and quantitative (surveys, A/B testing) methods, and storyboarding

Data Analysis & Visualization: Skilled in data analysis and interpretation using statistical modeling (SPSS, Smart-PLS, R), data visualization (Tableau, Gephi), trend analysis, and data mining techniques.

Business Process Analysis & Workflow Optimization: Proven ability in business process analysis,

including process mapping, workflow optimization, requirements gathering, and stakeholder analysis. Strong understanding of Agile methodologies and Scrum.

Analytical Problem-Solving & Communication: Exceptional analytical problem-solving skills, including critical thinking, root cause analysis, problem definition, and solution development. Excellent communication skills (written & verbal), with strong presentation skills and a proven ability to collaborate effectively across teams.

Project Management & Execution: Experienced in project management, including project planning & execution, Agile methodologies, time management, resource management, and risk management.

Stakeholder Engagement & IT Readiness: Expertise in stakeholder identification, mapping, and engagement strategy design. Proven ability to facilitate workshops, gather requirements, synthesize feedback, map current-state workflows, and assess organizational IT readiness. Adept at providing at-the-elbow support to facilitate technology adoption.

Health IT Sustainment: Experienced in developing health IT sustainment and implementation plans, focusing on integrating effective practices into routine workflows to maximize long-term impact.

Tools & Technologies

Data Analysis & Visualization: Tableau, SPSS, Smart-PLS, R, Python.

Cloud and Generative AI: Amazon Q Developer, Amazon Sagemaker, Google AI Studio, ChatGPT, Gamma, Scite, InVideo.ai

Modeling & Design: EA Sparx, Microsoft Visio, Enterprise Architect, SAP Signavio, Git, Wireframing Tools (e.g., Figma).

Application Development: SAP Build, PHP, JavaScript.

EHR & Healthcare Systems: EHR systems (HL7V2, HL7V3, FHIR).

Productivity & Collaboration: Microsoft Office Suite, Google Docs, Canva, Cisco Webex

Learning Management Systems (LMS): Moodle, D2L-Brightspace, BigBlueButton

Development Environment: Visual Studio Code

Training & Certifications

Certified Scrum Product Owner

Certificate of Completion – Google Prompting Essentials

Certificate of Completion – Google AI Essentials

Grand Gestures: Storytelling with AI (Artificial Intelligence) and Snap

IBM Business Intelligence Specialist with Cognos Report Studio V10.2.2

Tableau Consumer learning path

Design Informative and Visually Appealing Dashboards by Tableau

Dashboard Design: Visual Best Practices

SAP Build Apps

Business Process Modeling with SAP Signavio

Teaching with SAP Analytics Cloud (SAC)

Certificate of Completion – Foundations of User Experience (UX) Design by Google

Certificate of Completion – Start the UX Design Process: Empathize, Define, and Ideate by Google

Health Informatics on FHIR

AWARD Research Proposal and Writing Skills Workshop

University of Oulu Certificate of Completion, Persuasive Computing Course

Certified Coursera Admin

Certificate of Completion, Adult and Pediatric First Aid/CPR/AED

Professional Work Experience

University Faculty

Metropolitan State University, Minnesota | Assistant Professor of MIS | Jan. 2023 – date

Covenant University, Nigeria | Faculty | Sept. 2007 – Oct. 2021

Key responsibilities and achievements across both institutions:

I designed, reviewed, and delivered comprehensive course curricula in Management Information Systems, aligning learning objectives with industry best practices to enhance student proficiency in key technical skills. By integrating diverse learning materials, assignments, and assessments, I created an accessible and engaging learning environment, consistently

achieving a 90%+ student satisfaction rating. Additionally, I developed and maintained course documentation, including tutorials and FAQs, to streamline learning and improve knowledge retention.

To provide students with industry-relevant experience, I incorporated training materials from platforms such as Google, Tableau, SAP, and LinkedIn, equipping them with hands-on skills and preparing them for professional certifications. I also facilitated guest lectures by industry practitioners, bridging the gap between theory and practical applications. My commitment to experiential learning extended to implementing problem-based approaches, where I developed case studies and instructional materials to enhance students' analytical and problem-solving abilities.

I played a key role in curriculum development, co-authoring the undergraduate part-time program and operating manual for the Department of Computer and Information Systems at Covenant University. Additionally, I taught agile methodologies and team collaboration strategies, preparing students for modern software development environments. Leveraging emerging technologies, including AI-powered tools, I enhanced course delivery, enabling a more personalized and efficient learning experience.

Beyond teaching, I actively contributed to research, securing grants that funded the establishment of a student chapter of the Association of Information Systems (AIS) and conference participation. I mentored students in software development projects, many resulting in start-ups, exhibitions, and journal publications. As a student advisor, I contributed to higher graduation rates and collaborated with university leadership to improve academic programs and student success initiatives.

Research Assistant | Nova Scotia Health Authority (NSHA), Canada | May 2022 – Dec. 2022
Working with the clinical lead at the Emergency, Education & Learning unit of the "One Person One Record" (OPOR) project, I documented technical processes and workflows, creating clear, concise documentation to improve internal knowledge sharing. I also developed current-state workflow designs using EA Sparx, translating complex processes into visual maps that facilitated communication and informed the proposed Clinical Information System (CIS) design. Additionally, I assessed IT implementation readiness, identified documentation gaps, and contributed to developing knowledge base articles and FAQs to support system deployment.

To ensure effective stakeholder engagement, I designed and facilitated sessions for the OPOR project, clarifying objectives and gathering valuable feedback. Using stakeholder analysis and mapping techniques, including the Interest/Influence Grid and the IAP2 Public Participation Spectrum, I identified key stakeholders and determined appropriate engagement levels. I summarized insights from these sessions into detailed reports that informed training curriculum strategies, engagement strategy modifications, and communication plans. Additionally, I researched and developed a sustainment strategy for the CIS deployment, integrating best practices into routine workflows to enhance the long-term effectiveness of the fall risk reduction program.

Postdoctoral Fellow
School of Health Services Management, Ted Rogers School of Management, Ryerson University, Toronto, ON, Canada | Aug. 2017 – April 2018
Conducted literature reviews and background studies for new research publications, synthesizing complex technical information into clear and concise summaries and creating annotated bibliographies to support knowledge sharing; this research work led to three publications3,5.

International Centre for Information Technology and Development (ICITD), Southern University and A&M, Baton Rouge, Louisiana | Fulbright Scholar-in-residence | Aug. 2016 - May 2017
Coordinated and facilitated research colloquia where graduate students are mentored in writing clear, concise, and engaging technical documentation for their research projects, effectively communicating complex concepts.

Projects
Current Project: LLM-Powered Intervention for Mindful Eating and Eating Disorder Support
Project Goal: Develop and evaluate the effectiveness of Large Language Models (LLMs) to support behavior change, specifically in promoting mindful eating practices and providing personalized support for individuals with eating disorders.

Research Focus: Active collaboration with the Dalhousie University's Persuasive Computing Lab in the design and implementation of a research study to evaluate the impact of LLM-based interventions on:

Understanding Diverse Eating Experiences (RQ1): Analyzing qualitative data to identify and categorize the varied eating experiences and behaviors of individuals with eating disorders. Based on the findings, an LLM-based digital intervention will be designed. (Ongoing) - The initial phase involves a comprehensive systematic literature review (SLR) on mindful eating and eating behavior, which is currently underway and will establish a strong foundation for the subsequent LLM design. Following the SLR, the project will progress to Phase 2. I will collaborate with psychologists and dietitians to design and fine-tune LLMs, generating targeted responses to eating behaviors identified in the SLR. Experts will validate the initial LLM outputs to ensure clinical relevance and accuracy. The final planned phase, Phase 3, involves creating interactive prototypes using Figma to visualize the LLM-driven intervention and ensure a user-friendly experience.

Influencing Mindful Eating Intentions (RQ2): Measuring the impact of LLM agents on users' intentions to engage in mindful eating practices.

Driving Engagement with Mindful Eating (RQ3): Quantifying the influence of LLM agents on adoption and adherence to mindful eating techniques.

Improving Eating Behavior and Well-being (RQ4): Assessing the immediate and long-term effects of LLM interventions on eating behavior and overall well-being metrics.

Methodology: Employing a mixed-methods approach, combining user interviews, surveys, and statistical and qualitative analysis to gather and interpret data.

Technical Skills: Applying proficiency in LLM technologies, UI/UX design principles (Figma), data analysis techniques, and project management methodologies.

Potential Impact: This research aims to contribute to developing innovative and accessible LLM-based interventions for promoting healthier eating behaviors and improving the well-being of individuals with eating disorders.

Publications

Senanu Okuboyejo, Sijie Han, Smriti Jah, Chikwado Eneja & Rita Orji (2025). Insights from User Reviews to Improve Suicide Prevention Apps: A Machine Learning and Thematic Analysis-based Approach accepted for publication in the International Journal of Human Computer Interaction. Taylor & Francis, 1532-7590, doi: 10.1080/10447318.2025.2476711

Okuboyejo, S., Adekanye, O., & Ayeni, F. (2025). Evaluating User Experience in Learning Applications among University Students in Nigeria Using UEQ. International Journal of Emerging Technologies in Learning (iJET), 20(02), pp. 4–14.

Meyer J, Okuboyejo S. User Reviews of Depression App Features: Sentiment Analysis, JMIR Form Res 2021;5(12):e17062, URL:, DOI: 10.2196/17062

Okuboyejo, S., Koyejo, O (2021). MOOCs: Examining Users' Concerns while Using Mobile Learning Apps. International Journal of Interactive Mobile Technologies (IJIM), Volume 15(15), 47-58.

Okuboyejo, S., Meyer, J. (2019). Depression Management: A Descriptive Evaluation of Depression Apps in the Google Play Store, TEM Journal, 8(3), 812-818.

Walczak, S., & Okuboyejo, S. R. (2017). An Artificial Neural Network Classification of Prescription Nonadherence. International Journal of Healthcare Information Systems and Informatics (IJHISI), 12(1), 1-13. doi:10.4018/IJHISI.2017010101

Conference Proceedings

Senanu Okuboyejo & Steven Walczak (2025), A LIWC-based Sentiment Analysis of Depression Apps: Implications for Consumer Behavior and Business, presented at the SAM International Business Conference 2025 (SAMIBC2025)

Senanu Okuboyejo & Miriam A. Nkemnji-Enohnyaket (2024). Influential Determinants of Adult Wellbeing: Exploring the Global Impact of Lifestyle Choices on Body-Weight Variations within the Canadian Population, presented at the 4th Scientific Conference, "Dying to be Beautiful? Body Image, Eating Behaviors and Health in the Caribbean" Kingston, Jamaica, December 6-8, 2024.

Okuboyejo S. & Kurakula S. (2024). An Ontological Model to Computerize Asthma Diagnosis and Management Clinical Guideline for Primary Care, in Proceedings of the 15th ICT4Africa

Conference, Cameroon, July 2024.

Okuboyejo, Senanu; Munmun, Mousumi; and Walczak, Steven, "Insights from Depression Apps User Reviews via Sentiment Analysis and Topic Modelling" (2024).■MWAIS 2024 Proceedings. 3.

Senanu Okuboyejo, Jawad Haqbeen and Takayuki Ito (2023). Evaluating the performance of Machine Learning Classifiers on Predicting Hypothyroidism for Public Healthcare Good, KICSS 2023 IIAI Letters on Informatics and Interdisciplinary Research.

PROFESSIONAL SUMMARY

I am an Assistant Professor of Management Information Systems with 17+ years of extensive experience in teaching, research, supervision, and curriculum development. Recently certified as a Scrum Product Owner, I am passionate about integrating agile methodologies into academic and professional settings. In my teaching role, I have honed skills essential for a product owner, such as effective communication, stakeholder management, and the ability to prioritize and align objectives with strategic goals. I bring my passion for knowledge acquisition, sharing, and transfer to bear, incorporated with administration and leadership values and traits evident in integrity, value, and commitment while helping students start and end well in their academic path.

As an instructor, I have consistently identified and addressed the needs of my students, akin to how a product owner would manage a product backlog and ensure the development team delivers value to stakeholders. My duties in curriculum development mirror the responsibilities of a product owner, involving the careful planning and continuous improvement of educational programs to meet the evolving needs of industry and academia.

I look forward to leveraging my academic background and product ownership skills to drive impactful projects and contribute to the evolving landscape of technology and management. By bridging the gap between academia and industry practices, I aim to prepare the next generation of leaders to thrive in agile environments.

Summary of Skills

Teaching & Service

Excellent academic records, student evaluations, and experience in teaching MIS courses such as Introduction to Management Information Systems, Introduction to Programming, Information System Analysis & Design, Knowledge Management, Database Management Systems, Operations Research, and Management.

Proficient use of online teaching platforms and software such as D2L, Moodle, BigBlueButton, and Cisco Webex

Outstanding experience working with colleagues and professors, and mentoring (advising) students.

Experiential knowledge and ability to prepare syllabus, deliver lectures (online and face-to-face), and hold group conversations on related topics with students proficiently using multimedia technology.

Enthusiastic about learning new teaching methodologies

I am skilled in teaching students with practical examples and graduate research supervision.

Effective communication with students, faculty, and staff.

Keeping and maintaining regular office hours

Organize and prioritize work while being responsive to departmental and university needs.

Student Faculty adviser.

Active involvement in departmental, college, and university meetings and committees.

Research

Emerging research area in healthcare data analytics

Research paper writing and formatting for publication in peer-reviewed outlets and conference presentations.

I have demonstrated research experience evident in dissertation, conference, and journal publications.

Directly and indirectly, supporting the communication of research results to external audiences.

Ability to initiate and conduct research, making significant contributions to designing and conducting quantitative research, analysis, and writing in a full-time role.

Practical experience in grant proposal writing.

Working in a fast-paced environment with multiple and overlapping deadlines

Experience working with large datasets using statistical software, such as SPSS, Smart-PLS, and RapidMiner Studio.

Proficient use of and familiarity with scholarly databases and reference managers such as PubMed, Scopus, BMC, Mendeley, and EndNote.

Proven ability to gather, synthesize and analyze complex information from a variety of sources, identify trends in data and research, and develop specific recommendations, solid logical reasoning, and intellectual curiosity.

Excellent time management, organizational and problem-solving skills

Tools and Technology

IBM SPSS

Smart-PLS

RapidMiner Studio

Gephi

Tableau

Microsoft Office

Microsoft Visio

Python & R

Clinical workflows mapping and modeling.

Enterprise Architect (EA) Sparx

Clinical Terminology- MeSH, ICD, SNOMED

Clinical Information Interchange Formats - HL7V2, HL7V3, FHIR

WORK EXPERIENCE

Metropolitan State University, St. Paul, Minnesota

Assistant Professor of MIS (January 2023 – Present)

Teaching

Course design and development

Student advising

DBA Supervision

Nova Scotia Health Authority (NSHA), Nova Scotia, Canada

Student Intern (May 2022 – December 2022)

Stakeholder mapping and engagement

IT Implementation readiness assessment and evaluation

Literature review

eConsult evaluation

Clinical workflow mapping and modeling

Covenant University, Ota, Ogun State, Nigeria

Lecturer I (August 2015 – October 2021)

Lecturer II (August 2013 – July 2015)

Assistant Lecturer (February 2009 – July 2013)

Graduate Assistant (September 2007 – January 2009)

My roles include:

Teaching students using a problem-based learning approach to situate theoretical concepts in real-world scenarios and case studies resulted in 100% attendance and participation in my classes.

Engaging in active research resulting in journal publications, conference papers, and grant proposals.

Coordinated and developed grant proposals.

Creating classroom multimedia presentations, including videos, for enhanced understanding.

Working with students in designing and developing software applications as part of project requirements, which produced conference presentations and exhibitions, patents, start-ups, and journal publications.

Performed student advising with an increase in the student graduation rate.

Researched and updated all requirements needed for commencing new programs.

Participated in various campus programs and initiatives and worked directly with committee heads and leadership.

School of Health Services Management, Ted Rogers School of Management, Ryerson University, Toronto, ON, Canada   M5B 2K3

Postdoctoral Research Fellow (August 2017 – April 2018)

Conducting reviews of relevant literature and background study for new research and publications.

Conducting quantitative and qualitative data analysis.

Manuscript drafts and revisions in response to reviewers' comments

International Centre for Information Technology and Development (ICITD), Southern University and A&M, Baton Rouge, Louisiana.

Co-Director- Mentoring; Fulbright Scholar-in-residence (2016-2017); Research Colloquium Coordinator

Research Associate: worked with graduate students on research matters, thesis writing and development, conference and journal paper writing, presentation skills, and preparation

Grant proposal writing, coordination, and development

Teaching MGMT305: Management Information System

Curriculum Review

Community Development

ICT University, Baton Rouge, Louisiana.

Adjunct Faculty (Online Instructor, 2014-Present): My roles include teaching, curriculum development, academic advising, and project supervision.

Proficient use of Moodle LMS, BigBlueButton, and Cisco Webex Platforms

GRANTS AND AWARDS

Postdoctoral Research Fellow, School of Health Services Management, Ted Rogers School of Management, Ryerson University, Toronto, ON, Canada   M5B 2K3

Fullbright Scholar-in-residence award, Southern University and A&M, Baton Rouge, Louisiana, USA.

THESES SUPERVISION AND ASSESSMENT

Ooreofe Koyejo, "A Topic Modeling Approach for Classifying Learning Apps Reviews", MSc 2020, Supervisor

Stephen Adubi Ayodeji, Automatic Design of Hyper-Heuristics with Cartesian Genetic Programming for Combinatorial Optimization Problems, PhD Candidate, Thesis Reviewer

Femi Ekanoye, "A Qualitative Investigation of the Emergence of Mobile Virtual Network Operators in a Developing Economy. The Case of Nigeria", ICT University, PhD Candidate, Dissertation Committee Member

Geoffrey Mayoka Kituyi, "Social Media and Health Behavior in Sub-Saharan Africa, PhD 2017, Co-Supervisor

Amin Lesley Muluh, "Effects of Marketing Mix Elements on the Customer-based Brand Equity of MTN Cameroon. MBA 2016, Supervisor.

Deborah Fatinikun, "Development of an SMS-Based Medical Appointment System". MSc 2015, Supervisor.

Abolaji Famuyiwa, "Multi-compartment Biochemical Metabolic Network for the Malaria Network, Plasmodium falciparum". MSc 2014, External Assessor.

Over 60 Undergraduate (B.Sc) project supervision from 2011 – 2021.

PROFESSIONAL MEMBERSHIPS

Academic member, Association for Information Systems (AIS)

Academic member, Association of Computing Machinery (ACM)

PUBLICATIONS

Journal Publications

Desmennu S.R, Omoregbe N.I, (2011). "Application Virtualization for Healthcare in Nigeria," GSTF International Journal on Computing (JoC), February 2011, Volume 1, Number 2, Pg. 41-45, (ISSN: 2010-2283).

Desmennu S.R, Omoregbe N.I, Ayo C.K, (2011). "E-Health Cloud for Nigerian Teaching Hospitals," Global Journal of Pure and Applied Sciences (GJPAS), Volume 17, Number 2, 2011:175-178. ISSN:

1118-057.

Senanu Okuboyejo, Valerie Ochiotu, (2012). An Investigation of the Factors Influencing the Adoption of E-Health Services in Selected Hospitals in Lagos State, Nigeria. African Journal of Computing and ICTs, Volume 5 No 4. (Special Issue), Pg. 71-76, (ISSN: 2006-1781).

S.R. Okuboyejo, N.A. Ikhu-Omoregbe, & V.W. Mbarika (2012). A Framework for the Design of a Mobile-Based Alert System for Outpatient Adherence in Nigeria. Afr. J. of Comp & ICTs. Vol 5, No. 5. Pp 151-158, (ISSN: 2006-1781).

Senanu Okuboyejo, Samuel Akor, Adewole Adewumi (2012). Development of a Mobile Feedback System for Health Institutions in Nigeria. African Journal of Computing and ICTs, Volume 5 No 6. (ISSN: 2006-1781).

Senanu R. Okuboyejo & Joy Mokalo (2013). The Adoption of Wireless Technology in the Nigerian Healthcare Environment. Journal of Emerging Trends in Computing and Information Sciences. Vol 4, No. 1. Pp 29-37. (ISSN 2079-8407).

Senanu R. Okuboyejo and Anne Adejo (2013). Adoption of Mobile Technology by Farmers in Southwest-Nigeria: A Cross-Sectional Study. International Journal of ICT Research and Development in Africa, 3(2), 32- 44, July – December 2012. (IGI Global)

Olufemi Oyelami, Senanu Okuboyejo, Victoria Ebiye (2013). Awareness and Usage of Internet-based Health Information for Self-Care in Lagos state, Nigeria: Implications for Healthcare Improvement. Journal of Health Informatics in Developing Countries, 7(2), 165-175.

Senanu R. Okuboyejo and Daniel O. Adeyanju (2014). Design and Implementation of a Stock Market Monitoring System: A Case Study of the Nigerian Stock Exchange. International Journal of Multidisciplinary and Current Research (IJMCR), 2, 34-38. ISSN 2321-3124. Available at

Senanu R. Okuboyejo and Omatseyin Eyesan (2014). mHealth: Using Mobile Technology to Support healthcare. Online Journal of Public Health Informatics, 5(3):e233, ISSN 1947-2579. Available at

Senanu R. Okuboyejo (2014). Non-Adherence to Medication in Outpatient Setting: The Effect of Employment Status. Global Journal of Health Science, 6(3), 37- 44. ISSN 1916-9736 E-ISSN 1916-9744. Available at: (indexed in Scopus and PubMed)

Senanu R. Okuboyejo, Victor Mbarika and Nicholas Omoregbe (2014). A Social Learning Theory of Medication Adherence in Nigeria: An Empirical Study. Journal of Health Behavior and Public Health, 4(1), 37- 44

A.A. Adebiyi, S.R. Okuboyejo, M. Akinbode, M. Agboola and A.A. Oni, 2015. Exploring Social Networking and University Students Academic Performance. Asian Journal of Information Technology, 14: 253-259.

Eweoya Ibukun, S.R. Okuboyejo and Agomuo Kelechi, (2016). The Adoption of E-Tourism: An Empirical Investigation. Asian Journal of Information Technology, 15: 3422-3429.

Kabir, Alhaji Abiso, Okuboyejo Sena, Ilori Gbenga Ezekiel, and Adeogun Olubukola Simeon (2016). Influence of Organizational Leadership on Organizational Performance in the Service Sector in Nigeria. International Journal of Economics, Commerce and Management (IJECM), 4(12), 574-590.

Noguera, J., Ayeni, F. E., Okuboyejo, S., & Adusumilli, S. (2017). Towards a Web-Based Adaptive and Intelligent Tutoring System. International Journal of Computing and Informatics (IJCANDI), 1(1).

Nkam Micheal Cho, Sena Okuboyejo, and Ndamsa Dickson (2017). "Factors Affecting the Sustainability of Family Businesses in Cameroon: An Empirical Study in Northwest and Southwest Regions of Cameroon." Journal of Entrepreneurship: Research & Practice, Vol. 2017 (2017), Article ID 658737, DOI: 10.5171/2017.658737

Walczak, S., & Okuboyejo, S. R. (2017). An Artificial Neural Network Classification of Prescription Nonadherence. International Journal of Healthcare Information Systems and Informatics (IJHISI), 12(1), 1-13. doi:10.4018/IJHISI.2017010101

Okuboyejo, S., Oshunmakinde, B., Ayo, C., & Mbarika, V. (2017). On the Use of Mobile-Based Notification Systems for Medication Adherence: A Systematic Review. Indian Journal of Science and Technology (INDJST), 10(20). (Web of Science's Zoological Records)

Abate, A., Kifle, M., Okuboyejo, S., Mbarika, V. (2017). A Mobile-Based Telepathology System for a Low Resource Setting in Ethiopia. Applied Computing and Informatics. DOI: http://dx.doi.org/10.1016/ j.aci.2017.08.002.

Okuboyejo, S., Okuboyejo, T., Ayeni, F., Attah, F., & Mbarika, V. (2017). Cloud Computing: SMEs Tech-Driver for Globalization. International Journal of Pharmacy and Technology, 9(3), www. ijptonline. com.

Noguera, J., Ayeni, F., Adusumilli, S., Okuboyejo, S., & Mbarika, V. (2017). Implementation of A Web-Based Adaptive and Intelligent Tutoring System. International Journal of Pharmacy and Technology, 9(4).

Jose Noguera, Sena Okuboyejo, Foluso Ayeni, Olaperi Sowunmi, Vishali Paindla (2018). An Institutional Web-Based Learning Objects Repository System. International Journal of Current Trends in Engineering & Technology, 4(1).

Wondwosen Shiferaw, Mengistu Kifle, Senanu Okuboyejo, Victor Mbarika (2018). A Data Exchange Interoperability Framework for eHealth Applications in Ethiopia. Asian Journal of Computer and Information Systems, 6(2).

Okuboyejo, S., Aremo, S., & Sowunmi, O. (2019). Implementing an Academic Task Manager: Findings from a Pilot Study. Indian Journal of Science and Technology, 12(4).
doi:10.17485/ijst/2019/v12i4/141142

Okuboyejo, S., Mbarika, V., & Omoregbe, N. (2018). The effect of self-efficacy and outcome expectation on medication adherence behavior. Journal of Public Health in Africa, 9(3).

Aderonke Oni, Senanu Okuboyejo, Mosunmola Akinbode, Ariyo A. Adebiyi, Olatunji Okesola and Charles Ayo (2019). Impacts of Trust Factors and Task Technology Fit on the Use of E-Payment Systems in Nigeria. Int. J. of Business Information Systems.

Okuboyejo, S., Meyer, J. (2019). Depression Management: A Descriptive Evaluation of Depression Apps in the Google Play Store, TEM Journal, 8(3), 812-818.

Dokunmu, T. M., Adjekukor, C. U., Okuboyejo, S. R., Bello, A., Ayeni, F., & Mbarika, V. A review on healthcare schemes in Nigeria: A case of Corona Virus pandemic. WSEAS Transactions on Business and Economics, Volume 18, 875-883.

Okuboyejo, S., Koyejo, O (2021). MOOCs: Examining Users' Concerns while Using Mobile Learning Apps. International Journal of Interactive Mobile Technologies (IJIM), Volume 15(15), 47-58.

Eweoya, I., Okuboyejo, S. R., Odetunmibi, O. A., & Odusote, B. O. (2021). An empirical investigation of acceptance, adoption, and the use of E-agriculture in Nigeria. Heliyon, 7(7), e07588.

Meyer J, Okuboyejo S. User Reviews of Depression App Features: Sentiment Analysis, JMIR Form Res 2021;5(12):e17062, URL: , DOI: 10.2196/17062

Okuboyejo Senanu (2024). A Review of Knowledge-Based Interventions for Mental Health Self-Management, Asian Journal of Computer and Information Systems.

Okuboyejo S.R, Adekanye O, & Ayeni F. (2025). Evaluating User Experience in Learning Applications among University Students in Nigeria using UEQ submitted to the International Journal of Emerging Technologies in Learning 02(2025).

Okuboyejo, S., Han, S., Jha, S., Eneja, C., & Orji, R. (2025). Insights from User Reviews to Improve Suicide Prevention Apps: A Machine Learning and Thematic Analysis-Based Approach.■International Journal of Human–Computer Interaction, 1–21.

Books, Book Chapters and Monographs

Desmennu S.R and Ikhu-Omoregbe N. (2010), "Healthcare Information Management System: Design and Development", Lambert Academic Publishing, 54 pages, ISBN: 978-3-8433-6197-2 (Monograph)

Conference Proceedings

Desmennu S.R, Omoregbe N.I, Ayo C.K, (2010). "E-Health Application Virtualization for Nigerian Teaching Hospitals: A Cloud Computing Approach", in Gagan Agrawal (Ed.) Proceedings of the 1st International Conference on Cloud Computing and Virtualization (CCV 2010), May 17th and 18th, 2010, Singapore. Pp.16-19. ISBN: 978-981-08-5837-7

Kanu-Ivi T., Okuboyejo S.R., Madudu D., and Ikhu-Omoregbe N. (2011). Mobile Medical Alert System for Patient Compliance to Drug Regimen, in Proceedings of the International Association of Computer Information Systems Conference (IACIS), Mobile, Alabama, October 5-8, 2011. Pp 37-41.

V.I Ochiotu, S.R Okuboyejo (2011). Adoption of E-Health Services in Nigeria, in Proceedings of the Health Informatics in Africa Conference (HELINA 2011), Yaounde, Cameroon, 28th -30th November 2011. Pp 32.

Omogbadegun Z.O and Okuboyejo S.R (2013). Investigating Cognitive, Behavioral and Environmental Barriers to HIV/AIDS' Patients Adherence in Nigeria in Proceedings of the 8th International Conference on HIV Treatment and Prevention Adherence, Miami-USA, June 2-4, 2013.

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Cho N.M & Okuboyejo S.R (2016). Sustainability of Family Businesses in Cameroon: An Empirical Study in Northwest and Southwest Regions of Cameroon in Proceedings of the 28th IBIMA Conference, Seville-Spain, November 9 – 10, 2016.

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Irene Mbarika, Oluwafemi Ekanoye, Sena Okuboyejo, Foluso Ayeni, Temitope Olokunde, Carole Donald, Thelma Princess, Nina Vekima and Gina Jones (2017). The Diffusion of EMR in Healthcare Environment: A Case study of Japan in Proceedings of the 91st Annual Meeting of the Louisiana Academy of Sciences (LAS 91), Ruston LA, 11th March 2017.

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 Senanu Okuboyejo & Steven Walczak (2025), A LIWC-based Sentiment Analysis of Depression Apps: Implications for Consumer Behavior and Business, presented at the SAM International Business Conference 2025 (SAMIBC2025) on 03/17/2025.

Senanu Okuboyejo - "It Begins with a Prompt: Crafting Effective Prompts for Inclusive and

Engaging Teaching" presented at the Spring 2025 Faculty Development Conference (03/15/2025)

PC MEMBER AND REVIEWER ROLES

Reviewer, 4th International Conference on ICT for Africa (ICT4Africa), 2012
Reviewer, 5th International Conference on ICT for Africa (ICT4Africa), 2013
Reviewer, 2023 Americas Conference on Information Systems (AMCIS 2023)
PC Member, IEEE 6th International Conference on Adaptive Science & Technology, 2014
PC Member, Workshop on Democracy and AI (DemocrAI2023), November 16th, 2023, Jakarta, Indonesia
PC Member, 15th International Conference on ICT for Africa (ICT4Africa), 2024, Yaounde, Cameroon

CONFERENCES, MEETINGS, KEYNOTES, FACILITATOR

59th Annual Meeting of the African Studies Association (ASA 2016), Washington, D.C, 1st – 3rd December 2016.
Fulbright Visiting Scholar Enrichment Seminar, "Strengthening Democracy while Protecting Human Rights" San Diego, California 11th – 14th December 2016.
91st Annual Meeting of the Louisiana Academy of Sciences (LAS 91), Ruston LA, 11th March 2017.
OLF-Visiting Fulbright Scholar to Bluefield State College, West Virginia, USA, 20th -22nd March 2017.
National Institute of Aging Conference "Envisioning Ageing in Place", Ryerson University, Toronto, Canada, 23rd November 2017.
Collision 2018, New Orleans, LA, April 30 - May 3rd, 2018.
25th Americas Conference on Information Systems (AMCIS), 15th-17th August 2019, Cancun, Mexico.
First Summer Institute in Computational Social Science at Covenant University, June 19-29, 2022 – Speaker ()
18th Annual Midwest Association for Information Systems Conference, St. Paul, MN, 19th & 20th May 2023.
2023 Americas Conference on Information Systems (AMCIS), Panama City, Panama, 10th – 12th August 2023
The 18th International Conference on Knowledge, Information and Creativity Support Systems (KICSS2023) September 20-22, 2023, Kitakyushu International Conference Center, Kitakyushu, Japan.
NIH virtual workshop on Big Data Integration: Unlocking the Potential for Enhanced Epidemiological Research, September 27-28, 2023.
AI in Health Conference 2023, 9th – 12th October 2023, Houston Texas.
16th Annual Conference on Higher Education Pedagogy, February 7-9, 2024, at The Inn at Virginia Tech & Skelton Conference Center, Blacksburg, Virginia.
Cengage 2024 Empowered Educator Virtual Conference: Exploring GenAI in Higher Education (02/14/2024 – 02/15/2024) (Certificate attached)

EDUCATION AND QUALIFICATION

Dalhousie University, Halifax, Nova Scotia, Canada (2022)
M.Sc Digital Innovation (Health Informatics Certificate)
Covenant University, Ota, Ogun State (2009 – 2013)
Ph.D. Management Information System
Thesis: Mobile Technology and Outpatient Adherence in Nigeria: Theorizing Outcome Expectation and Self-Efficacy.
Covenant University, Ota, Ogun State, Nigeria (2007 – 2009)
M.Sc Management Information System
Dissertation: Design and Deployment of a Web-Based Healthcare Information Management System
Covenant University, Ota, Ogun State, Nigeria (2002 – 2006)
B.Sc Management Information System
Dissertation: Design of a Medical Records Management System

CERTIFICATIONS AND TRAININGS

IBM Business Intelligence Specialist with Cognos Report Studio V10.2.2 (September 2015)
Health Informatics on FIHR (October 2017)
AWARD Research Proposal and Writing Skills Workshop (September 2018).
Tableau Consumer learning path. Badge – Interact with Dashboards and Reports, available

Design Informative and Visually Appealing Dashboards by Tableau,
Dashboard Design: Visual Best Practices (certificate attached)
Grand Gestures: Storytelling with AI (Artificial Intelligence) and Snap.
SAP Build Apps -
Business Process Modeling with SAP Signavio - Incorporate into teaching the MIS671 module on
Business Processes as an alternative to Visio. Badge is available at
Certified Scrum Product Owner
Certificate of Completion, Adult and Pediatric First Aid/CPR/AED
University of Oulu Certificate of Completion, Persuasive Computing Course
Certified Coursera Admin
Certificate of Completion – Google Prompting Essentials
Certificate of Completion – Google AI Essentials
Certificate of Completion – Foundations of User Experience (UX) Design by Google
Certificate of Completion – Start the UX Design Process: Empathize, Define and Ideate