



Professor Abejide Ade-Ibijola

Professor of Artificial Intelligence and Applications



Synopsis

Professor Abejide Ade-Ibijola

† B.Sc. Hons. (First Class Honours), Master's (Distinction in Research), PhD (Wits)

† MICSIT, MIITPSA, MIAENG, MIETI, Fellow of TED, NRF-Rated

Title	Professor
First Name	Abejide
Last Name	Ade-Ibijola
Field / Expertise	Artificial Intelligence and Applications
Primary Position	Full Professor at the University of Johannesburg
Other ₁	Distinguished Professor at Woxsen University
Societal Impact	Founder and Chairman at GRIT Lab Africa
Innovation Kitchen	Founder and President at Machines with Minds
Editor & Publisher	The Kingsman Academic Magazine
Email	abejideai@uj.ac.za abejide@gritlabafrika.org
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2-Time

VC's Award Winner

2018

Dean's Award Winner

100+

Recognitions

90+

Publications

2-Time Winner

South African Public Service Innovation Award

≈1,600

Google Citations

C₂

NRF-Rated

17 *years+*

Experience

Africa

Impact Awardee

11-Time

Africa Continental Recognition

R405,175,824.75 OR \$22,509,768.04

Secured/Contributed in Research, Innovation, Skills, and Development Funds/Value

65

Major T/L, R&D Awards

M&D

Supervised to Completion

2023 *Overall*

NCEA Academic Excellence

Top AI Professor in Africa

Google Search — First Result

Profile

Background

Professor Abejide Ade-Ibijola holds a PhD in Computer Science (Artificial Intelligence — *program comprehension*) from the University of the Witwatersrand, Johannesburg in 2016. Prior, he had bagged a Bachelor's Honours degree (with **First Class Honours**) in Computer Science, and a Master's in Computer Science (with **Distinction** in Research) — *Serious Games and Artificial Intelligence*. He is currently a Full Professor of Artificial Intelligence (AI) and Applications (**appointed as a full professor at the age of 36, with a professorial inauguration ceremony at the age of 38**) at the Johannesburg Business School (JBS), University of Johannesburg (UJ), South Africa — *becoming the first professor to be inaugurated at the JBS*.

In his **17+ years of experience**, he has conducted research in AI and applications, taught several modules at all levels, and supervised 19 honours, 16 master's and six doctoral candidates to completion. Outside of academia, Abejide has worked in the software industry (across domains such as financial markets, serious games in public health and education, technology consulting, and innovations for entrepreneurship), and created several innovations for the government of South Africa.

*Google search for the **Top AI professors in Africa** returns Abejide's profile as the first result, on the first page.*

Research Profile

Abejide has **published 90+ articles** in recognised, DHET¹-accredited and scopus-indexed outlets on AI algorithms, and innovations for solving real-world problems. His research work has attracted **1,600+ Google citations with h-index of 15, and i10-index of 22**. His interests are as follows:

Rule-based Artificial Intelligence Algorithms: Design of new production rules (with formal grammars of varying re-writing strengths) for tasks such as synthetic data generation, procedural content generation, text generation,

¹Department of Higher Education and Training of South Africa

language recognition, program comprehension, problems and solutions generation, etc, across several application domains.

Applied Artificial Intelligence: Application of existing AI tools (such as trained machine learning models, conversational AI models/platforms, etc.) to solve real-life problems, and creating new innovations from these while producing recognised research outputs.

Game Artificial Intelligence and Serious Games: Design and evaluation of serious games (from gamified quizzes, to 3D immersive video games, simulations, virtual reality experiences and augmented reality, often with embedded Game Artificial Intelligence algorithms) to support the teaching/training of several topics across sectors.

New Algorithms and Applications: Design of new computational algorithms such as applied graph algorithms to solve problems across diverse domains.

Abejide's research has produced several innovations for the industry, academia, and government. His work has earned him a **C₂-rating** from the **National Research Foundation (NRF) of South Africa** — certifying him as an **Established Researcher** with international recognition for the quality and impact of his research outputs.

Excellence Awards, Grants, and Funding

Abejide has won 65 major teaching, research and innovation awards and secured/-contributed over **R405+ Million Rands** (or **\$22+ million US Dollars**) in funding towards research, innovation, and social development value contributions (training of youth technopreneurs, skilling entrepreneurs with Artificial Intelligence tool, and training of unemployed graduates). He is the winner of the **UJ CBE Dean's Top Senior Lecturer Award 2018** (in a faculty of 338 academics), a **Two-time Winner of the UJ Vice-Chancellor's Distinguished Awards** for the Innovation of the year 2019 (Valued at R500,000.00), and Teacher Excellence 2020 (Valued at R150,000.00). Abejide is also a winner at the South Africa's Department of Public Service (DPSA) Ignite Hack Innovation Award 2018, the winner of SA Department of Communications Living 4IR Hackathon Overall Best Innovation of 2019, and the winner of Two South Africa's State IT Agency (SITA) Public Service Innovation Awards at GovTech in 2019.

In 2020, he secured software licenses for the entire UJ community, worth over **\$1.5 Billion US Dollars**.

In May 2023, he was named twice as a finalist of the: **Africa Tech Leader of the Year Award** and his social project (GRIT Lab Africa), for the **Africa Educational Technology Award** at the Africa Tech Week Awards in Cape Town, South Africa. Abejide also received the **Africa Impact Award** at the Deep Learning IndabaX Nigeria for the same social project (GRIT Lab Africa) in June 2023. In October

2023, Abejide won an award for the **Overall Academic Excellence in South Africa at the Nigerian Community Excellence Awards in Pretoria, South Africa**. In March 2024, he was nominated for the NSTF (The South African National Science and Technology Forum) award for an outstanding contribution to science, engineering and technology (SET) and innovation in South Africa.

He is a 3-time finalist (out 2000+ nominations) of the Africa Startup Ecosystem Builders Awards (held in Accra Ghana from 2nd to 4th October 2024); **winning two continental awards**, namely: **African Innovation Hub of the Year 2024 (with GRIT Lab Africa)**, and **African Startup Ecosystem Builder Champion of the Year 2024**.

In November 2024, Abejide won the **African Tech Innovation of the Year Award (Artificial Intelligence Category)** — awarded by **Business Tech Africa** for the **Virtual Reality Courtroom Innovation** — *an immersive VR experience for legal education*. In December 2024, Abejide was invited by the Nigerian government under the Nigerians in Diaspora initiative to Abuja to receive an Excellence Award, and he was inducted into the prestigious **NIDO Africa Hall of Fame** in acknowledgment of his remarkable contributions to society.

*Abejide's career is decorated with **over 100 awards and recognitions**.*

Administrative Leadership and Institutional Positions

At the JBS, Abejide is the Founder and Lead of the **Research Group on Data, Artificial Intelligence, and Innovations for Digital Transformation**, and the **Chairperson of the Centre for Entrepreneurship's Advisory Board**. He is also the **Founder and the Head of the JBS Innovation Lab** (a subset of his research group), known to produce immersive experiences (VR/AR, video games), mobile/web applications, and a range of algorithmic AI solutions. At UJ, he is a member of the **Academy of Distinguished Teachers**, he serves on the Teaching Portfolio Assessment Committee (TPAC), and he is also a member of the Senate's Teaching and Learning Committee.

Abejide is the **Former Academic Director** of all academic programmes (PGDips, MBAs, and DPhils) in 2022, and the **Former Director** of the Postgraduate Diploma Programme at the JBS (2022 to 2023). He has previously held the following positions at the University of Johannesburg: **General Chair (and Editor) of the International Conference on Cyber-security and Information Systems** (2017), **Pioneer Head of the Technopreneurship Centre** (Writer of the Charter to Senate, 2018 to 2019), **Deputy Head of Department for Teaching and Learning** of the Department of Applied Information Systems (2017 to 2018), **Acting Head of Department** of Applied Information Systems (2018), Member of **Programme Committee (curriculum development)** 2017 to 2019, Member of the **Departmental Higher Degrees Committee** (2017 till 2022), Member of the **JBS Ethics**

Committee (2022 till date), Member of the **Faculty Board** (2017 till date across two faculties), Member of **Faculty Research Committee** 2019 to 2022, Member of **JBS Faculty Higher Degrees Committee** (2022 till date), Member of the **University Senate** (2019 till date), Member of **NRF Review Committee** (2021), Member of the **Adjudication Committee for the Vice-chancellor's Distinguished Awards for Teaching and Learning** (2021 till date), and so on.

Intellectual Properties and Commercialisation

Abejide has invented several technological tools across the spectrum (virtual reality experiences, video games, AI algorithms, mobile and web applications, etc). Two notable commercialised products from his inventions are:

Learn and Earn Mobile App: This App allows students to sell products for three companies (Tupperware, Table Charm and Avon Justine). In the 2019 academic year, 390 students used this App, generating a turnover of R3 million. This resulted in R750 000 paid out to the students in the form of commission. This App has made more returns year-on-year thereafter.

Teaching and Module Evaluation Web App: This App saves the University of Johannesburg exactly R2 million rands annually in software license that was previously paid to a company in the Netherlands. The App facilitates the teaching and module evaluation for the entire UJ community, 50,000 students and about 10,000 staff members use this App.

Abejide has authored over 80 proprietary technological tools, with some currently undergoing commercialisation.

Innovations for the Government of South Africa

In 2022, Abejide upskilled 150 unemployed graduates in computer programming for the Education, Training and Development Programme (**ETDP**) — Sector Education and Training Authority (**SETA**). In 2023, Abejide held a consulting positions at the Chemical Industries Education & Training Authority (**CHIETA**), where he trained 30+ students in software development while he created two robust software applications for: **the disbursement of CHIETA's yearly grants and online assessments operations of CHIETA's examination**. Still in 2023, Abejide led the Hackathon team for the South African Council for Natural Scientific Professions (SACNASP) where he delivered **12 AI-driven technological innovations for service delivery** — *for the improvement of service delivery*.

In October 2023, he accepted a project from the **Gauteng Provincial Government of South Africa** to train 70 small businesses on how to use Artificial Intelligence and other digital tools to improve their businesses. This cohort graduated in April 2024, with technological skills estimated at **R27, 685, 000.00** (≈R28 million rands)

in monthly supposed spending for these businesses, making R332, 220, 000.00 (≈R332 million rands) in contribution of a year's scarce skills South African market worth — *noting that the worth of commercialisation of these skills by these small businesses cannot be estimated.*

In May 2024, Abejide led the GRIT Lab Africa team that supported the technical planning (in collaboration with the Centre of Emerging Researchers) and launch of the **South Africa National Youth Service Institute (SANSI)** at CSIR, Pretoria; and he hosted the Director General of Higher Education and Training of South Africa at the JBS Innovation Lab on the 3rd of April 2024, to establish a collaboration to solve challenges in Higher Education in South Africa and Africa at large.

In July 2024, he started a project to develop AI-embedded curricula for teaching robotics and coding across 99 schools in the Gauteng province of South Africa, via the **Mathew Goniwe School of Leadership and Governance**. In September 2024, he accepted a project from the **Office of the Deputy Minister of Higher Education of South Africa**, Dr Mimmy Gondwe, to create an **AI-powered Helpdesk for the ministry** — *this project has produced two tool* — one of which is a **digital human** that answers all frequently asked questions. In January 2025, Abejide contributed to the economic development strategy of the City of Johannesburg (CoJ).

Footprints in Africa

Abejide is a **Distinguished Visiting Professor** at the **University of Kigali, Rwanda**. In March 2024, he spoke on Artificial Intelligence Ethics at the **Global Entrepreneurship Congress Africa (GEC+ Africa)**, Cape Town, South Africa. He has contributed to the Kenya's Presidential Digi-talent programme (2021), and also supervised at PhD level for **Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya** (2018 till date). In Botswana, he has examined several master's and doctoral candidates, and given international keynote addresses at the **University of Botswana** and **BOTHO University, Gaborone, Botswana**. In September 2024, he was well received by the Vice-chancellor of the Accra Technical University (ATU), Ghana and concluded a collaboration agreement between ATU and GRIT Lab Africa.

In 2017, he was the **General Chair of the 2nd International Conference on the Internet, Cyber-security and Information Systems** (a collaboration with the **University of Botswana, Gaborone**). He is a co-organiser of the **International Conference on Information Systems and Emerging Technologies, Windhoek, Namibia** (2022 till date), and in April 2024, Abejide accepted to host (as the General Chair) this conference at the JBS Innovation Lab, Johannesburg Business School (JBS).

In Nigeria (his country of birth), he has supported the **Nigerian Computer Society** on a ministerial panel (with the Nigerian Minister for Innovation and the Minister for Education) on a workshop on **Artificial Intelligence and Applications in Education**. He has also given talks at Covenant University, Nasarawa State University, and mentored undergraduate students in grit and programming at twelve Nigerian universities, including University of Ibadan, Pan-Atlantic University, University of Lagos, University of Ilorin, and so on. Abejide currently has a three year memorandum of understanding with Thomas Adewumi University, Kwara State, Nigeria for student exchanges. In October 2024, he was invited by **Aare Afe Babalola**, a Nigerian billionaire and philanthropist to discuss the Artificial Intelligence, the society and collaboration. He has a footprint of mentoring young Africans across 26 African countries.

International Positions and Activities

Abejide is a **Distinguished Visiting Professor of Artificial Intelligence** at the School of Business, Woxsen University, Hyderabad, India (also an advisory board member of the AI Research Centre at Woxsen), and holds several academic, consulting, and advisory positions around the world. He manages a blockchain node for **Bloxberg, Munich, Germany**, and he is a member of the Bloxberg's Token Financial Model Advisory Board.

Recently, Abejide has given invited talks at University of Oxford, United Kingdom, Cornell University, New York, USA and at National Academies of Sciences, Engineering, and Medicine, Washington DC, USA on Artificial Intelligence and Applications. He is the partner on the **Dreamship — Dreamathon Project**, initiated by the Computational Design Institute (CDI), Silicon Valley, USA (2020 till date). Abejide is an external examiner at the School of Computing, University of Eastern Finland, Joensuu Tiedepuisto, Finland; and an external reviewer on AI-related research at the National Institute of Health and Care Research, University of Southampton, United Kingdom.

In December 2024, Abejide became a **Distinguished Juror** for the prestigious **Aegis Graham Bell Awards** in the AGBA Generative AI Innovation Series" — supported by Ministry of Electronics and Information Technology, Ministry of Education, Government of India, New Delhi and Department of Science & Technology, Government of India, and Australian Trade and Investment Commission (Austrade).

Global Mentoring of Academics in Artificial Intelligence

In recent years, Abejide has coached younger academics to success within several programmes such as the South African nGap (New Generation of Academics Programmes). In March 2024, Abejide launched a project called the **JBS GRIT Lab**

Research Hackathon that brings 100+ researchers together — across disciplines and the spectrum of research seniority from Junior Lecturers, to Postdoctoral Research Fellows, Senior Lecturers, Assistant Professors, Associate Professors, Full Professors, Industry Researchers, Government Researchers, and Private Investigators) — to co-ideate, co-create, and co-publish in the **applications of Artificial Intelligence to solve sustainable development goals across disciplines**. This project has researchers from around the world in countries such as (but not limited to): **Australia, Canada, China, Finland, France, Ghana, Guyana, India, Lesotho, Namibia, Nigeria, South Africa, Tanzania, United Kingdom, United States of America, and Zimbabwe**.

GRIT Lab Africa: Societal Impact Project

Abejide is the **Founder and Chairman** of **GRIT Lab Africa** (a societal impact project for training young Africans in Grit and programming). At GRIT Lab Africa, Abejide mentors 116 young people across 38 higher institutions of learning in 11 African countries (Ghana, Kenya, Mauritius, Namibia, Nigeria, South Africa, Sudan, Tanzania, Uganda, Zambia, and Zimbabwe). At the University of Johannesburg (UJ), he currently mentors 500+ students, and has directly mentored 3000+ students in the last seven years.

In 2022, he paid out **R1, 111, 587.38** in wages to 33 students for work-integrated learning, while training these students to become software engineers across diverse range of technologies. This number increased to **R1, 580, 953.30** in 2023 and to **R2,782,128.68** in 2024. In July 2023, Abejide launched a free programming bootcamp for undergraduate students at UJ across all faculties/disciplines and this received 598 applications. He accepted and trained 477 students on this programme — *contributing an estimated R22, 896, 000.00* and an extra **R5, 568, 000.00** for 116 undergraduates across 10 other African countries (South Africa is the 11th country) *in market value* to the University of Johannesburg and 37 other universities across Africa for this scarce skills. *This bootcamp trained 570 students in 2024, contributing a total value of R27, 360, 000.00.*

GRIT Lab Africa has an historical reach of alumni from 26 African countries.

Abejide is the editor and publisher of **The Kingsman Academic Magazine**, a publication that showcases the technological innovation of his mentees; and he is also the publisher of **GRIT Lab Africa Opinion Series**.

Machines with Minds: The African Innovation Kitchen

Abejide is the **Founder and President** of **Machines with Minds**, also known as the **The African Innovation Kitchen**, or the “**The Kitchen**” for short. **The Kitchen** is a **private technology incubation hub** that is positioned to serve the entire African

continent. **The Kitchen** allows young innovators across Africa (trained by the **GRIT Lab Africa** social project) to: access internships, incubate technology start-ups companies, create new technologies to solve problems in their local communities, commercialise their solutions, create AI solutions for the government and private sectors, and develop state/private-sponsored social innovations to solve African problems.

The Kitchen also creates new training programmes/masterclasses to respond to the rapid changes triggered by advances in Artificial Intelligence and other fourth industrial revolution technologies. **The Kitchen** responds with solutions to the pain-points of governments and the private sector across Africa, most of which there are currently no institutional structures in education/industry or customised, Afro-centric solutions/contents to address them at the moment. **The Kitchen** is a job creation entity for **GRIT Lab Africa** alumni.

Collaborators or Sponsors



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1. Objective & Education

1.1 Career Objectives

- [*Research*] To advance in interesting research areas (mainly in Artificial Intelligence and Applications) that directly translates to commercialisable products/innovations for businesses and society.
- [*Teaching*] To teach the rapidly evolving academic curriculum using *algorithmic aids*, thereby enabling *digital natives* to learn effectively; and to bring students into the *thick* of industrial *action* via the *vehicle* of hackathons, student entrepreneurship, sponsored industry projects, and creation of intellectual property.
- [*Supervision*] To provide research supervision within the context of digital transformation in a business school (supervision of CEOs, top government officials, etc. seeking to complete DPhil/PhD research degrees) with expert postgraduate supervision skills while producing innovations that will assist their respective industrial and public service portfolios.
- [*Coaching*] To assist the university in the professional development of *young academics* in how to innovate in teaching and learning, while building new technologies and exploiting the numerous existing 4IR technologies to bring students' *hearts* and *mind* back to the classroom — enabling these academics to be able to deliver value-based education/the best graduates (employable, entrepreneurial, and innovative).
- [*Industry*] To collaborate with the industry (cooperate multinationals, research institutes, and technology consulting firms), co-author ideas, and produce innovations (AI products, and future technologies) and academic publications from the design of these tools.

[*Society*] To collaborate with the government (and/or NGOs) and assist with technological expertise/tools/insights that prepares the society (and helps mitigate the impact of) for the Fourth Industrial Revolution.

[*Africa*] To train and mentor young Africans (across several African countries) in grit and programming using the GRIT Lab Africa societal impact project (www.gritlabafrika.org).

1.2 Education

2013 — 2015	<p>Doctor of Philosophy (PhD) in Computer Science University of the Witwatersrand, Johannesburg, South Africa Full Time (Research) — 3 Years Computer Science — Artificial Intelligence — Program Comprehension November, 2015 — Awarded in April 2016.</p>
2009 — 2011	<p>Master of Technology (M.Tech)¹ in Advanced Computer Science The Federal University of Technology, Akure, Nigeria Full Time (Coursework and Research) — 1½ Years Computer Science — Artificial Intelligence and Games — Serious Games October, 2011 — Distinction in Research Dissertation.</p>
2003 — 2007	<p>Bachelor of Science Honours (B.Sc. Hons) in Computer Science Nasarawa State University, Keffi, Nigeria Full Time (Coursework and Project) — 4 Years Computer Science — Theoretical and Applied Computer Science November, 2007 — First Class Honours (Distinction).</p>

1.3 Research Interests

[*Artificial Intelligence and Applications*] Natural language processing, program comprehension, machine learning and data science, robotics, game AI algorithms, AI applications in business, education and society.

[<i>Synthesis of Things</i>]	Application of formal grammars (string or picture grammars of different re-writing strengths) in the automatic generation of <i>things</i> (artefacts, texts, profiles, building plans, problems, etc.), procedural content generation, synthetic data generation, and natural language generation.
[<i>Serious Games & Teaching Innovations</i>]	Design/development of serious games across disciplines, and technological innovations to support teaching and learning of programming and several other topics.
[<i>Digital Transformation and Sustainable Development Goals</i>]	Design science in digital transformation for governments and corporations, artificial intelligence tools/algorithms for digital transformation, AI for SDGs.
[<i>Programs & Compilers</i>]	Special-purpose parsers, program analysis, authoring systems, and automatic/generative programming.
[<i>Graphs & Simulations</i>]	Real-time simulations, graph theory applications, and algorithms.
[<i>Theoretical Computing & Applications</i>]	Formal languages, automata theory and applications.
[<i>Algorithms</i>]	Computing algorithms and multidisciplinary applications.

2. Current Positions

2.1 Academic Positions

1. **Full Professor of Artificial Intelligence and Applications:** Johannesburg Business School at University of Johannesburg — April 2022 to date,
2. **Distinguished Professor of Artificial Intelligence and Applications:** School of Business at Woxsen University, Hyderabad, India — August 2022 to date,
3. **Distinguished Professor of Artificial Intelligence and Applications:** at University of Kigali, Rwanda — May 2024 to date,
4. **Founder & Head:** Research Group on Data, Artificial Intelligence, and Innovations for Digital Transformation at Johannesburg Business School — April 2022 to date,
5. **Chairperson:** Advisory Board of the Johannesburg Business School (JBS)'s Centre for Entrepreneurship (JBSCE) at University of Johannesburg — June 2022 to date,
6. **External Moderator:** TAI911S (Trends in Artificial Intelligence and Machine Learning), at Namibia University of Science and Technology, Namibia — June 2022 to date,
7. **Associate Editor:** African Journal of Science, Technology, Innovation and Development (AJSTID), Routledge, Taylor and Francis Group, United Kingdom — 2021 to date,
8. **Life Member:** International Engineering and Technology Institute (IETI), Denver, USA and Hong Kong — May 2021 to date,
9. **External Examiner:** Informatics, Faculty of Faculty of Engineering, Built Environment & Information Technology at University of Pretoria — 2019 to date,
10. **External Examiner & Moderator:** School of Electrical and Information Engineering, at University of the Witwatersrand — 2018 to date,

11. **External Examiner & Moderator:** ITE 300 (Information Technology Electives), at University of Mpumalanga — 2020 to date,
12. **External Moderator and Examiner:** Department of Information Technology, at Vaal University of Technology — 2018 to date,
13. **External Moderator:** COMP720 (Ontology and Knowledge Bases: Honours Module), School of Mathematics, Statistics and Computer Science at University of Kwazulu-Natal — April 2021 to date,
14. **External Moderator:** COMS4043A (Multi-agent Systems: Honours Module), School of Computer Science and Applied Mathematics at University of the Witwatersrand — November 2021 to date,
15. **NRF Reviewer — *Rating and Chair Applications*:** Rating Applications (in Machine Learning, Computer Science Education, and Automata Theory) at National Research Foundation¹ — 2018 to date,
16. **External Examiner:** Department of Computer Science and Information Systems at Botswana International University of Science & Technology (BIUST), Botswana — 2018 to date,
17. **Innovation Assessor:** Office of the Deputy Vice-Chancellor Research, Development & Innovation at Botswana International University of Science & Technology (BIUST), Botswana — March 2021 to date,
18. **External Examiner:** Faculty of Computing at Botho University, Botswana — 2020 to date,
19. **External Examiner:** Department of Computer Science at University of Botswana, Gaborone, Botswana — 2020 to 2023,
20. **Visiting Researcher:** School of Computing and Information Technology at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya — 2017 to date,
21. **External Examiner:** Department of Computer Science and Systems Engineering at Andhra University, Visakhapatnam, India — 2021 to date, and
22. **Research Associate:** Computational Design Institute (CDI), Silicon Valley, San Francisco, CA, USA — 2020 to date.

2.2 Consulting and Advisory Positions

23. **Founder and President** at Machines With Minds — June 2023 to date,
24. **Founder and Chairman** at GRIT Lab Africa (NPC) — June 2022 to date,

¹also known as the NRF

25. **Board Member:** Artificial Intelligence Research Centre, School of Business at Woxsen University, Hyderabad, India — April 2023 to date,
26. **Innovation Assessor and Technology Valuation Expert:** Technology Transfer Office at University of Johannesburg — May 2020 to date,
27. **Board Advisor:** Internet of Things and Artificial Intelligence Applications at Rivoni Matimba (Pty) Limited, Centurion — 2019 to date, and
28. **Advisor:** Artificial Intelligence and Training at Southern Africa Development Institute, Pretoria — 2019 to date.

2.3 Other Recent Positions

1. **Acting Academic Director:** All academic programmes (PGDip, MBA, and DPhil), Johannesburg Business School at University of Johannesburg — July 2022 to September 2022,
2. **Director:** Postgraduate Diploma Programme in Business Administration: Johannesburg Business School at University of Johannesburg — May 2022 to December 2023,
3. **Consultant:** Artificial Intelligence Research at South African Institute of Chartered Accountants (SAICA) — August 2021 to June 2022,
4. **Visiting Researcher:** School of Computer Science & Applied Mathematics at University of the Witwatersrand — 2015 to 2023,
5. **Founder:** JBS Staff Professional Development Series — *Technology and Applications* at Johannesburg Business School — July 2022 to August 2022,
6. **Founder & Lead:** Research Cluster on Formal Structures, Algorithms and Industrial Applications, at University of Johannesburg — 2016 to March, 2022,
7. **Advisor:** Artificial Intelligence in Marketing (MyNoot), at Bridge Labs, Randburg, Johannesburg — 2017 to 2021.
8. **Technology Advisor** at Institute of Health Risk Managers, South Africa — August 2020 to June 2021,
9. **Board Advisor:** 4IR Technologies in Functional Medicine and Measurement at South African Database for Functional Medicine (SADFM), Cape Town — 2019 to 2020,
10. **SCiIS² Representative:** Knowledge Creation Committee, College of Business and Economics at University of Johannesburg — 2018 to 2020,

²School of Consumer Intelligence and Information Systems

11. **Lead (Pioneer):** Technopreneurship Centre, School of Consumer Intelligence and Information Systems at University of Johannesburg — March 2018 to December 2019,
12. **External Examiner:** Research Data Management at WITS School of Public Health — 2016 to 2020,
13. **Critical Reader:** PhD Proposals (ICT in Mathematics Education) at WITS School of Education — 2017 to 2020,
14. **Advisor:** IT Security (Cryptographic Algorithms), Cyber-security and Cyber Laws at Sterling Afrika Training and Consultancy, Pretoria — 2017 to 2019,
15. **Co-chair:** at ICICIS Conference 2018, Gaborone Botswana — 2018 to 2019,
16. **Deputy Head of Department:** Department of Applied Information Systems at University of Johannesburg — 2016 to 2017,
17. **General Chair & Editor-in-Chief:** Second International Conference on the Internet, Cyber Security and Information Systems, ICICIS 2017 — 2017 to 2018,
18. **External Postgraduate Supervisor & Examiner:** School of Computing at University of South Africa, Florida — 2015 to 2019,
19. **Consultant:** Formal Models of Problem Generation at Isazi Consulting, Sandton, Johannesburg — 2016 to 2016, and
20. **Consultant:** NLP Algorithms (Independent Valuations Group) at Barclays Africa Group, Sandton Johannesburg — 2015 to 2015.

3. Awards & Recognitions

This section contain scholarships, first place or runner-up awards, distinctions, research grants, societal recognitions, magazine and newspaper profile publications, outstanding achievements, and other scholarly laurels.

3.1 Africa Continental Awards

[*Hall of Fame*] Inducted into the prestigious NIDO Africa **Hall of Fame** in acknowledgment of Abejide's remarkable contributions to societies across Africa at the NIDO Africa awards, Abuja Nigeria on the 20th of December 2024.

[*Recipient*] Received an **Excellence Award** from the Nigerian government under the Nigerians in Diaspora initiative (NIDO Africa) on the 20th of December 2024.

[*Winner*] Won the **African Tech Innovation of the Year Award (Artificial Intelligence category)** — awarded by **Business Tech Africa** for the **Virtual Reality Courtroom Innovation** — *an immersive VR experience for legal education*; award presented on the 19th of November 2024.

[*Winner*] Won the **African Innovation Hub of the Year** at the **Africa Startup Ecosystem Builders Summit & Awards (ASEB)** for the GRIT Lab Africa societal impact project, for an outstanding contributing to innovation in the Small Businesses Ecosystem in Africa, October 2024 (Ceremony held in Accra, Ghana).

- [*Finalist*] Recognised as a finalist of the **Africa Startup Ecosystem Builders Summit & Awards (ASEB)** for the **Entrepreneurship Education Champion of the Year** for his GRIT Lab Africa social project, for an outstanding contributing to training small business on how to use/apply Artificial Intelligence in South Africa and Rwanda, August 2024 (Ceremony scheduled for October 2024 in Accra, Ghana).
- [*Winner*] Won the **Immigrant Ecosystem Builder Champion of the Year** at the **Africa Startup Ecosystem Builders Summit & Awards (ASEB)** for the GRIT Lab Africa social project and his **Machines with Minds (aka African Innovation Kitchen) Innovation Hub for Africa**, August 2024 (Ceremony scheduled for October 2024 in Accra, Ghana).
- [*Finalist*] Recognised as a finalist of the **NSTF-South32 Award** (by the National Science and Technology Forum of South Africa, and South-32; known as “Science Oscars”) for the **Non-Governmental Organisation Award** for his GRIT Lab Africa social project, for an outstanding contributing to science, engineering, technology (SET) and innovation in May 2024.
- [*Overall Academic*] Won the prestigious award for the **Overall Academic Excellence in South Africa at the Nigerian Community Excellence Awards** in Pretoria (Supported by the Nigerian government), South Africa on the 7th of October 2023.
- [*Africa Impact*] Received the **Africa Impact Award** at the **Deep Learning IndabaX Nigeria** for the GRIT Lab Africa social project on the 9th of June 2023.
- [*Africa Tech Leader*] Finalist of the **Africa Tech Leader of the Year Award** on the 3rd of May 2023 at the Sentech Africa Tech Week Awards, Century City Conference Centre, Cape Town, South Africa (Sponsored by Topco Media).
- [*Africa EdTech*] Finalist of the **Africa Educational Technology (EdTech) Award** (with the GRIT Lab Africa social project) on the 3rd of May 2023 at the Sentech Africa Tech Week Awards, Century City Conference Centre, Cape Town, South Africa (Sponsored by Topco Media).

3.2 Societal Impact Grants and Awards

- [SAVA] Secured a grant of **R500,000.00** from SAVA Africa Bank to support the training of students with technical skills in the JBS GRIT Lab programme in January 2025.
- [IHS] Secured a grant of **R50,000.00** from IHS to support the training of students with technical skills in the JBS GRIT Lab programme in November 2024.
- [CHIETA] Secured the grant of **R3,835,210.10** from the Chemical Industries Education and Training Authority (CHIETA), in collaboration with the Centre of Entrepreneurship at the JBS (JBSCE), to run technology creation hackathons for small businesses in South Africa for 2022-2023. Project created two robust tools for CHIETA: Online Assessment Tool and Grant Allocation System.
- [ETDP-SETA] Secured **R2,550,000.00** from the Educational Training and Development, Skills Education Training Authority (ETDP-SETA), in collaboration with Prof. Tankiso Moloj, to train 150 unemployed South African graduates in introductory computer programming with Python from April 2022 to September 2022.

3.3 Teaching Excellence Awards

- [Winner] Won the Teaching Excellence Award for the Year 2021 for being the Best Teacher in the School of Consumer Intelligence and Information Systems (School has 60+ Academics, across three departments). Award received on 21st October 2021.
- [Winner] Won the Vice-Chancellor's Distinguished Award for Teacher Excellence of the Year 2020 at the University of Johannesburg on the 20th of October 2020. This award is valued at **R150,000.00**. URL: [Click here to view on university's website](#)¹.
- [Winner] Won the second position for the Excellence in Teaching Award in the School of Consumer Intelligence and Information Systems at the University of Johannesburg on 20th November 2019.
- [Winner] Won the Dean's Award for the Top Senior Lecturer of the Year 2018 (out of 144 Senior Lecturers) in the College of Business and Economics (consisting of 338 academics) of the University of Johannesburg on 26th February 2019. This award came with a prize of **R20,000.00**.

¹<https://www.uj.ac.za/news/uj-vice-chancellor-acknowledges-outstanding-teaching-and-research-ex>

[Winner] Won the award for the Computer Science Best PhD Tutor of the Year (WITS University) 2013.

3.4 Research Excellence Awards

[NRF Rating] Rated by the National Research Foundation (NRF) of South Africa as a C_2 Researcher in January 2025. This rating is for a five-year period.

[Winner] Won the Best Paper Presentations at the International Conference on Soft Computing and Machine Intelligence (ISCMI 2019) on 20th November 2019. Paper titled: *Synthesis of Integration Problems and Solutions*.

[NRF Rating] Rated by the National Research Foundation (NRF) of South Africa as a Y_2 Researcher in January 2019. This rating is for a five-year period and it ended in December 2024.

[Awardee] Postgraduate Student with the Highest Achievement (Standard Bank & WITS University) 2014.

[Awardee] Computer Science International Publication Award (WITS University) 2014.

[Awardee] Computer Science Local Publication Award (WITS University) 2014.

[Awardee] Microsoft Local and International Publications Award 2013.

3.5 Innovation Excellence Awards

[Winner] Won the African Tech Innovation of the Year 2024, awarded by Business Tech Africa for the Innovation of VR Courtroom — Africa's First Courtroom in Virtual Reality. A collaboration between the JBS Innovation Lab and the UJ Faculty of Law.

[Winner] Won the Vice-Chancellor's Distinguished Award for the Innovation of the Year 2019 at the University of Johannesburg on 14th November 2019. This award is valued at R500,000.00. URL: [Click here to view on university's website²](#).

²<https://www.uj.ac.za/news/uj-celebrates-outstanding-achievers-with-the-vice-chancellors-disting>

- [Winner] Won the *Resourcefulness Award* for the most resourceful academic in the School of Consumer Intelligence and Information Systems at the University of Johannesburg on 20th November 2019.
- [Winner] Won the SITA ICT Public Service Award at GovTech Conference 2019 on 27th October, 2019.
- [Winner] Won the Overall Best Innovation (with my team of five students) for the Local Government Category of the SITA³ NDP⁴ 2030 Hackathon in Durban from 24th to 26th October, 2019. This came with a Prize of **R100,000.00**.
- [Runner-up] Won the 3rd Place (with my team of five students) for the Regional Government Category of the SITA NDP 2030 Hackathon in Durban from 24th to 26th October, 2019. This came with a Prize of **R30,000.00**.
- [Winner] Mentored Post-doctoral Research Fellow, Dr Chinedu Okonkwo, won an A10 6-axis Drone during at the SITA NDP 2030 Hackathon on 25th October, 2019.
- [Finalist] Won the first and second stages of the SITA NDP 2030 Hackathon (with three of my teams of 15 students), and won an *all expenses paid trip* from the South African government (including flights, hotels, etc.) to compete at the finals in a 3-day Hackathon, held in Durban from 24th to 26th October, 2019.
- [Runner-up] Competed at the Hack4TK – Thyssenkrupp Hackathon (with a team of four) July 3 to 4, 2019. This took place in Essen, Germany.
- [IP] Created an Intellectual Property (in form of Software Copyright) for the University of Johannesburg from the invention of the DSA-UJ Mobile App. Certificate of Invention was issued to me and my co-author (Dr Marius Wait) by the UJ Technology Transfer Office in June 2019.
- [Winner] Won the Overall Best Innovation Award of the Living 4IR Hackathon (with my team of four students) on 28 June 2019. Hackathon was sponsored by the South African Government's Department of Communication and Postal Services, and took place at the Vaal University of Technology, Vanderbijlpark, South Africa.

³State Information Technology Agency of South Africa

⁴National Development Plan

- [*Second Place*] Won the Second Prize (**R30,000.00**) of 45 teams, at the National Public Service Hackathon (Ignite Hack) with my team of students on the 30th of September, 2018.
- [*Top 10*] Secured two teams into the top 10 of the National Hackathon (Ignite Hack). There were 45 teams (and over 400 hackers) in total.
- [*Awardee*] My mentored BTech student (Benjamin Adebowale) won the Best Presentation of the National DPSA Hackathon (Ignite Hack).

3.6 Research Grants

- [*Erasmus Grant*] Grant of 2620€ (\approx **R55,000.00**) for a research visit to the Instituto Superior de Contabilidade e Administração do Porto (ISCAP) in Portugal in June 2023 [Grant not accepted due to delay in visa].
- [*NRF Grant*] Received the Research Grant of **R50,000.00** for NRF-Rated Researchers in April 2019 (Grant Number: 119041).
- [*BAI Grant*] Won the Black in Artificial Intelligence Travel Grant in September 2019 (full grant for all expenses) to attend the Third Black in AI Workshop (co-located with NeurIPS 2019) at the Vancouver Convention Center, Vancouver, Canada. The Black in AI is sponsored by Microsoft, Google, Facebook and DeepMind.
- [*Research Fund*] Secured **R40,000.00** research funding (two conferences @ **R15,000** each) and one Hackathon sponsorship (@ **R10,000.00**) from Bridge Labs Co, Sandton, Johannesburg in 2019.
- [*ACM Fund*] Secured conference funding of **USD\$1,600** (about **R23,171.44**) for my PhD Student⁵ for the ACM FAT⁶ Doctoral Consortium, Atlanta, Georgia, USA.
- [*Awardee*] WITS Faculty of Science Research Grant (**R24,000.00**) 2015.
- [*Awardee*] NRF International Conference Travel Grant (**R32,500.75**).
- [*Awardee*] CoEMaSS⁷ International Conference Travel Grant (**R10,000.00**).

⁵George Obaido

⁶ACM Conference on Fairness, Accountability, and Transparency

⁷Centre of Excellence in Mathematical and Statistical Sciences

- [Awardee] WITS Postgraduate Merit Award 2014 (**R29, 130.00**).
- [Awardee] NRF-DST⁸ Doctoral Innovation Scholarship Award (**R110, 000.00**)
- [Awardee] WITS School of Computer Science and Applied Mathematics Local Conference Grant for SAICSIT 2016 (**R3, 800.00**).
- [Awardee] WITS School of Computer Science and Applied Mathematics Research Grant, 2016 (**R12, 000.00**).
- [Awardee] WITS Postgraduate Merit Award 2014 (**R29, 130.00**)
- [Awardee] Vodacom South Africa Scholarship Award 2014 (**R26, 562.00**)
- [Awardee] CoEMaSS Local Conference Travel Grant 2014
- [Awardee] WITS University Conference Travel Grant 2014
- [Awardee] WITS University Merit Research Grant — JC Carsten's Fund 2013 (**R4, 570.00**)
- [Awardee] Federal Government of Nigeria Scholarship Award 2010 and 2011 (~~R~~**360, 000.00**)

3.7 Innovation Grants

- [MPH Bot] Secured an innovation fund of **R40, 000.000** from the Faculty of Health Sciences at UJ to develop a chat-bot for supporting the teaching and learning on the Master's of Public Health programme in February 2025.
- [VR Courtroom] Secured an innovation fund of **R457, 598.40** from the Faculty of Law at UJ to develop a virtual reality experience of the South African courtroom. October, 2023 to May, 2024.
- [JBS Apps Fund] Secured an innovation fund of **R440, 000.00** from the JBS's Centre for Entrepreneurship to develop a series of technologies to support small businesses in South Africa. August, 2022 — *research output expected from fund.*

⁸National Research Foundation and the Department of Science and Technology, South Africa

- [*EC VR Fund*] Secured an innovation fund of **R157,678.80** from the Department of Science and Technology Education at UJ to develop a virtual reality immersive experience that allows students to perform a galvanic cell ($C_u - Z_n$) experiment — *being to learn how to set up a galvanic cell and observing the reaction at a macroscopic and microscopic levels — an electrochemistry experience.* July to September, 2022.
- [*JBSCE Funds*] Secured equipment fund of **R600,000.00** from the JBS's Centre for Entrepreneurship to equip my research lab with drones, and *computational firepower.* May, 2022.
- [*Teaching Eval Fund*] Secured an innovation fund of **R401,292.00** from the Centre of Teaching Excellence at the University of Johannesburg to develop a new teaching and module evaluation software for the university (*Teaching Eval Software*), March to August, 2022. *This software saves the university two million rands (R2,000,000.00) every year of annual license.*
- [*SATLAB Fund*] Secured an innovation fund of **R190,832.40** towards the development of simulation software for training in emergency medical care (*SATLAB*) at UJ, from September 2021 to January 2022.
- [*Jozi-Gamble Fund*] Secured **R200,364.60** from the University Research Committee as Innovation Fund for the development of a Serious Game in Finance (*Jozi Gamble*), in collaboration with Jordy Bolton of the Department of Finance and Investment at UJ.
- [*Plagi-ware Fund*] Secured **R190,832.40** towards the re-design of a plagiarism game for the UJ Library in April 2021 — *Plagi-warfare.*
- [*Innovation Fund*] Jointly (in collaboration with Prof. Maria Frahm-Arp) secured the Teaching Innovation Fund of **R39,000.00** towards the development of a serious game for the University Library at the University of Johannesburg in March 2021.

- [*Proctoring Fund*] Awarded the sum of **R40,000.00** towards Teaching Innovation (AI in Automatic Assessment) at the University of Johannesburg in August 2020. This project is a joint initiative between myself and two other colleagues (Prof. Andre Strydom — *Physicist*, and Prof. Charis Harley — *Data Scientist*).
- [*TTO Fund*] Awarded the sum of **R280,000.00** in Innovation Funds by the Technology Transfer Office of the University of Johannesburg to create a market-ready version of the Learn and Earn App in January 2020.
- [*R&D Funds*] Secured **R40,000.00** for research travels from Bridge Labs Co. in January 2020.
- [*GPU ws*] Secured a GPU Workstation (for research) worth **R30,000.00** from Wealth Associates, South Africa in January 2020.
- [*Innovation Fund*] Awarded the sum of **R90,948.00** to create an Intellectual Property (Sentiment Analysis Software) for the UJ Institute for Intelligent Systems (IIS) 2019.
- [*VR Station*] Secured two **2xHTC** Vive Pro VR Headset Combo (Vive Controller/Tracker/Base) Stations (for research) worth **R56,000.00** from EPIC Research and Development, South Africa in December 2019.
- [*R&I Fund*] Secured a Research and Innovation Fund of **R250,000.00** to research into technological tools for Functional Medicine from the South African Database for Functional Medicine (SADFM), Cape Town (July 2019)⁹.
- [*Innovation Fund*] Secured an Innovation Fund of **R180,880.00** to carry-out the development of a Mobile App for the Direct Selling Association (DSA) of South Africa, in collaboration with the Department of Marketing at the University of Johannesburg (April to June, 2019).
- [*Fund*] Secured **R26,000.00** Abeced Internship Fund for eight (8) students at the University of Johannesburg, via the Technopreneurship Centre in March 2019.
- [*Winner*] Won **R18,400.00**, awarded by the Dean towards Technopreneurship from UJ CBE Dean's Reserve Fund, November 2018.

⁹This transaction was not completed due to Intellectual Property negotiation delays.

3.8 Other Teaching and Learning Recognitions

- [*TPAC*] Invited in September 2021 to join the UJ's Teaching Portfolio Assessment Committee (TPAC) by the Division for Academic Planning, Quality Promotion and Academic Staff Development. TPAC is responsible for assessing teaching portfolios of academics at the University of Johannesburg.
- [*UJ-ADT*] Inducted as a member of the Academy of Distinguished Teachers (ADT) at the University of Johannesburg in August 2021.
- [*Module Prizes*] Secured cash prizes of R10,000.00 disbursements for the best students in my modules in 2021, sponsored by Bridge Labs (PTY), South Africa. This initiative is the first known of such in the College of Business and Economics at the University of Johannesburg.
- [*Licenses*] Secured 10,000 Coursera Licenses (in partnership with my colleague, Prof. Charis Harley) for staff and students of the University of Johannesburg in May 2020. The total worth of these licenses is an estimated \$1, 500, 000, 000.00 (1.5 Billion US Dollars), or R26, 385, 000, 000.00 (26.4 Billion Rands).
- [*Noteworthy*] Invited by the Management Executive Committee (MEC) of the University of Johannesburg to join the VC Award's Teaching and Learning Adjudication Panel — resulting from winning the VC awards back-to-back across two different award categories in 2019 and 2020.
- [*Nominee*] Nominated for the prestigious TAU Fellowship Programme on 28th October, 2020. The TAU Fellowship Programme is designed to enhance teaching and learning in South Africa by supporting the further development of academics as scholars and leaders in teaching and learning in their fields. This award was declined due to previous commitments.
- [*3MT-Chair*] Appointed the chair of the 3MT (Three Minutes Thesis) Adjudication Panel at the University of Johannesburg in August 2021.
- [*Noteworthy*] Three Honours research works of mentored students in 2020¹⁰ were accepted and published as full papers in Scopus-indexed Journals.

¹⁰Darren Semusemu, Sibusiso Kubeka, and Mandlekosi Shezi

[*Nominee*] Nominated for the Special Award of recognition for the University Faculty who has made the most significant contribution in advancing the National Agenda for Entrepreneurship Development in Higher Education (August 2019). Nominated by Caro Buitendag (UJ TTO). EDHE accepted this nomination in September 2019 — made the list of top 13 academics in South Africa for this category.

[*Winner*] Mentored student (Mbali Xulu) won the first and second rounds of the EDHE Entrepreneurship Interschool Competition in May 2019; and will represent UJ at the National finals.

[*Noteworthy*] Appointed as the Deputy Head (In charge of the teaching & learning portfolio) of the Department of Applied Information Systems at the University of Johannesburg in May 2017.

[*Noteworthy*] Appointed to serve on the Senate Teaching and Learning Committee in 2022, representing the Johannesburg Business School.

3.9 First Place Awards

[*Winner*] First Heat and Second Heat, British Council International Fame Lab Competition 2014.

[*Awardee*] Overall Best Graduating Student 2007.

[*Awardee*] Faculty of Science Best Graduating Student 2007.

[*Awardee*] Mathematical Sciences Best Graduating Student 2007.

[*Awardee*] Computer Science Best Graduating Student 2007.

[*Awardee*] First Class Honours in Computer Science 2007.

[*Awardee*] Overall Best Student in Mathematical Sciences¹¹ for First Year in the 2003 session. Awarded in 2004.

¹¹Mathematical Sciences at Nasarawa State University is the joint Mathematics, Statistics and Computer Science departments.

3.10 Runner-ups and Other Competitive Recognitions

- [*Awardee*] British Council Masterclass Science Communication Training 2014.
- [*Fellow*] TED Innovation Community (FTed), TEDxJohannesburg 2014.
- [*Rating*] Top 20 Young Quality Scientists in South Africa (Mail & Guardian Newspaper) 2014.
- [*Runner-up*] Standard Bank IT Challenge (Team Coach: Team The Matrix) 2014.
- [*Finalist*] British Council International Fame Lab Competition Finals 2014.
- [*Finalist*] German International Falling-walls Lab Competition 2013¹².
- [*Profiled In*] Geek Awards. Student Village Career News (November 19, 2013)¹³.
- [*Nominee*] Commonwealth Scholarship for PhD study in the United Kingdom 2012.
- [*Recognition*] First Corp Member¹⁴ to Present a Paper at the NEC¹⁵ 2008.
- [*Runner-up*] Nigerian Universities Computer Programming Competition 2007.

3.11 Other Grants and Noteworthy Recognitions

- [*Noteworthy*] Appointed as an Associate Editor of the African Journal of Science, Technology, Innovation and Development (Published by Taylor & Francis) in March 2021. URL: <https://www.tandfonline.com/toc/rajs20/current>. Journal is scopus-indexed and on the DHET list.
- [*Noteworthy*] Invited to become a Member of the Senate of the University of Johannesburg on the 14th of April 2021.

¹²<https://www.wits.ac.za/news/news-migration/home/faculties-and-schools/science/csam/archive/news/news-and-events/competitions/>

¹³Online: <http://www.studentvillage.co.za/careers-news/careers-geek-awards>

¹⁴Member of the Nigerian National Youth Service Corps (NYSC). NYSC is a paramilitary Nigerian initiative. <http://nysc.gov.ng/>

¹⁵National Engineering Conference

- [*Noteworthy*] Invited to speak at the prestigious [University of Oxford](https://www.law.ox.ac.uk/events/researching-ai-and-content-moderation-trends-tools-and-methods), Wellington Square, Oxford, Oxfordshire, United Kingdom on *Researching AI and Content Moderation: Trends, Tools and Methods*. URL: <https://www.law.ox.ac.uk/events/researching-ai-and-content-moderation-trends-tools-and-methods>. Scheduled for 27th April 2021.
- [*NLSA Grant*] Received a Full Travel Grant from the National Library of South Africa (NLSA) to attend and give an Invited Talk on the fourth industrial revolution and the future of libraries at the South African Libraries ICT Workshop in East London, Eastern Cape on 29th November 2019.
- [*Noteworthy*] Profiled In ITWeb's Brainstorm Magazine in the article: *Prof. Abejide Ade-Ibijola has turned his passion for algorithms into real-world solutions and skills training for his students*. Online: <http://www.brainstormmag.co.za/technology/15186-algorithms-and-real-life-problems>.
- [*Noteworthy*] Invited by the Ambassador of the Federal Republic of Germany, Dr Martin Schafer, to discuss the German-EU-South African collaboration on Fourth Industrial Revolution on 3rd December, 2019.
- [*Profiled*] Profiled in the Nigerian Media as a young professor (one of the youngest professors in Africa in the year 2019) in an Article, titled: *Nigerian-born Abejide Ade-Ibijola becomes Associate Professor in University of Johannesburg*. Source: Legit.NG¹⁶.
- [*eNCA*] Top Digital Innovators (Hackathon) in South Africa. A media interview on eNCA News Live, 2nd October 2018.
- [*Nominee*] Nominated and appointed as the Representative of the School of Consumer Intelligence and Information Systems on the Research Committee Board of the CBE¹⁷, University of Johannesburg in 2018.
- [*RUEX*] Nominated as the Master of Ceremony for the Russian Export Mission to South Africa — Michelangelo, Sandton Johannesburg in October 2017.
- [*Nominee*] Nominated and appointed as the Chair of the International Conference on the Internet, Cyber-security and Information Systems (ICICIS 2017).

¹⁶<https://www.legit.ng/1268637-nigerian-born-abejide-ade-ibijola-associate-professor-university-j.html>

¹⁷College of Business and Economics

- [*Noteworthy*] Honours research of mentored student¹⁸ accepted as full paper in SACLA 2017. This paper made CCIS 730 Springer Collection.
- [*Noteworthy*] Honours research of mentored student¹⁹ accepted as full paper in SACLA 2016. This paper made CCIS 642 Springer Collection.
- [*Profiled In*] Science Spaza Magazine South Africa 2014 (Page 6, Issue 2, August 2014)²⁰
- [*Profiled In*] Agent Zee Magazine South Africa 2014 (February 21, 2014)²¹
- [*Profiled In*] Building Machines with Minds. WITS Now Magazine 2014 (Page 6, 2014 Issue 1)²²
- [*Profiled In*] Jive Media Africa Publication 2014 (February 28, 2014)²³
- [*Profiled In*] WITS University Annual Report of 2014, Section: Student Achievements, Page 133 (December 2014)²⁴

3.12 Grants Secured for Students

- [*GES Grant*] Secured **R450,000.00** in Global Excellence and Stature Scholarship for mentored student (Opeoluwa Iwashokun) towards PhD study for 2021 to 2023.
- [*GES Grant*] Secured **200,000.00** in Global Excellence and Stature Scholarship for mentored student (Peter Olujimi) towards Master's study for 2021 to 2022.
- [*CSIR Grant*] Secured **R130,000.00** in CSIR-DST Inter-Programme Bursary Scholarship for mentored student (George Obaido) towards PhD study for 2019 academic year.
- [*CSIR Grant*] Secured **R120,000.00** in CSIR-DST Inter-Programme Bursary Scholarship for mentored student (George Obaido) towards PhD study for 2018 academic year.

¹⁸I supervised this student, Ariel Rosenfeld, in 2016 at WITS University with Prof. Sigrid Ewert.

¹⁹I supervised this student, Mark Durrehim, in 2015 at WITS University with Prof. Sigrid Ewert.

²⁰Online: http://www.sciencespaza.org/files/7414/0731/7962/Spaza_Space_No_2_Final_low_res.pdf

²¹Online: <http://agentzee.org/agent-zee-meets-abejide-ade-ibijola/>

²²Online: <https://www.wits.ac.za/news/latest-news/general-news/2013/2013-11/geek-awards.html>

²³Online: <http://jivemedia.co.za/famelab/congratulations-to-south-africas-famelab-2014-finalists/>

²⁴In print, and Online: <https://www.wits.ac.za/media/migration/files/2014%20Annual%20Report.pdf>

[Awardee]	SG Abbott: (R6,600.00).	UJ's	Supervisor-Linked	Bursary ²⁵ ,	2017
[Awardee]	MJ Ayawei: (R13,200.00).	UJ's	Supervisor-Linked	Bursary ²⁶ ,	2017

²⁵I secured this award for my PhD student, Simon Abbott.

²⁶I secured this award for my PhD student, Michael Ayawei.

4. Achievements

4.1 Industrial Computing

- 17 years+ as software developer and inventor using diverse technologies.
- Over 100 software applications, bots, and video games developed and deployed in finance, insurance, healthcare, education, etc.
- Played a team member and group leader on software projects at different times.
- Supported and provided advisory services for software projects during development (management) and post-development (maintenance).
- Advised both large and medium scale firms on part time consulting portfolios.
- Program in over 50 languages with exposure to over 60 tools/APIs/platforms across computing, applied mathematics and engineering applications.
- Produced two (2) student Technology Entrepreneurs, resulting in private software companies.

4.2 Academia

- 20+ undergraduate, honours and master's, courses taught.
- 100+ colloquium, competitive, and conference talks/presentations.
- 60+ research papers published in peer-reviewed international journals, 30+ peer-reviewed conference papers (+11 Abstracts) presented and published, 10+ creative writings and study materials produced.
- Three research theses/dissertations produced, one full book, and several chapters in books published.

- 17+ years experience as a University Lecturer.
- 20+ Honours, 18+ Master's, and 14 PhD students supervised — *Some of these supervisions are ongoing. Supervised several Master's and five doctorates to completion.*
- Owner of several software copyrights — e.g. VR Courtroom, DSA-UJ Work-Integrated Learning App, Plagi-warfare serious game for the UJ library, Jozi Gamble serious game for financial loss aversion, etc.

4.3 Selected Technological Innovations and Copyrights

- VR Courtroom: Africa's first courtroom simulation in virtual reality (2024).
- UJ Teaching Eval: A web software application for teaching and module evaluation, used by 40,000+ students and all teaching academics (8,000+) at the University of Johannesburg (2023). This software saves the university R2,000,000 in yearly software licensing.
- JBS-VR: An immersive virtual reality experience for the JBS (2022).
- JBS-App: A interactive mobile app for the JBS patrons and management (2022).
- Law-Bot: A chatbot for supporting teaching in Law (2022).
- Zulu-Python: A software tool that allows for coding in IsiZulu using python-like syntax (2022).
- Jozi Gamble: An Immersive Video Game for measuring financial loss aversion (2022).
- Plagi-Warfare: An Immersive Video Game for teaching plagiarism at the UJ Library (2021).
- UJ Sentiment: A Social Media Sentiment Analysis Software for the Institute of Intelligent Systems of the University of Johannesburg (2020).
- BOT-sa: A Chatbot for answering questions for the UJ Library (2019).
- MAS: Municipal Alert System using Drones, and Solar-powered Bill Boards for SITA — Prototype Only (2019).
- HPM: Housing Project Management System, based on Blockchain Technology for SITA — Prototype Only (2019).
- PATH-BOT: an Intelligent Chatbot for Guiding Visitors and Locating Venues (2019).
- SELL-BOT: an Intelligent Application for Digital Advertising (2019).

- DSA-UJ: Inventor (and co-author of the Copyright) of the DSA-UJ Mobile Application (2019).
- Total Job Hunter¹: an application that proof-reads CVs, generates cover letters, and automatically applies for job seekers (2019).
- Algebrax²: a mobile application that scans a mathematical problem, attempts to solve it, and explains its solution to a novice mathematician (2018).
- Intelligent Class Shuffle: an intelligent algorithm that automatically groups students for team work, based on their academic abilities. This tool has been showcased at Techno Centre events three times in the last year, and was used in the first semester of 2018 in a second year class (2018).
- Sociogram Synthesiser: this algorithm automatically generates hypothetical sociograms for social media analysis usages (2018).
- Problem Synthesisers: a number of different algorithms for the automatic generation of problems in computer programming, regular expressions, etc (2018).
- FB Profile Synthesiser: this intelligent software generates Facebook profiles for hypothetical characters. The generated profiles are used in Serious games for Therapy (2017).
- FINCHAN: this is an NLP algorithm that reads financial chats and analyses it (2016).
- Problem Compiler: a Compiler for Problem Synthesis is a new special purpose language compiler for synthesising mathematical problems.
- Math Wizard³: a two-level game for practising fractions for Sifiso Learning Group (2016).
- Spellero⁴: a seven-level game for practising spelling of English words for Sifiso Learning Group (2016).
- Bloomberg Chat Scraper: an automatic financial chat quotes extractor for Barclays Africa Group (2015).

¹This innovation won the Overall Best Innovation award at the Living 4IR Hackathon, with the involvement of four undergraduate students.

²This innovation was part of my Hackathon winning projects, with the involvement of five undergraduate students.

³A free mathematics game sponsored by Sifiso Learning Group, and downloadable at: www.tinyurl.com/mathWizardv1

⁴A free spelling game sponsored by Sifiso Learning Group

- `RegexParser`⁵: a regular expression evaluation tool for teaching Formal Languages and Automata Theory at WITS University (2014).
- `CivilContra`⁶: an educational game of mathematics (2011).
- `Blindfolder`: a directory encryption software based on AES (Rijndael cipher) algorithm (2010).
- `ORM-X`: an ORM⁷ generator for automatic generation of classes from database object for rapid web application development (2009).

4.4 Competitions

- SITA NDP 2030 Hackathon, 24th to 26th October, 2019, at Durban ICC — Winner, Overall Innovation Award: Local Government Category, and 3rd Place Winner: Regional Government Category.
- Thyssenkrupp Hackathon (`#Hack4TK`) 3rd to 4th July, 2019, Essen, Germany⁸ — *Runner-up*.
- South African DCDD⁹ Hackathon on Fourth-Industrial Revolution (`#Living4IRHack`) 2019, Vanderbijlpark, 28th June 2019 (Winner of the Overall Innovation Award).
- DPSA Hackathon (`#ignitehack`) 2018 (Second Place Winner), Johannesburg.
- British Council International Fame Lab Competition 2014 (Double-Heats Winner), Johannesburg.
- Standard Bank IT Challenge (Team Mentor) 2014, Johannesburg.
- German Falling-walls Research Lab Contender 2013 (South African Finalist).
- Nigerian Universities Computer Programming Contest 2007 (Finalist).
- Nigerian University Games — Taekwondo Firm Weight Challenger 2004.

⁵A free download of this tool is available at: www.tinyurl.com/regexparser

⁶This game was part of my MSc research work.

⁷Object Relational Model

⁸Took place at the thyssenkrupp AG / Building Q2, thyssenkrupp Allee 1, 45143 Essen, Germany. My team joined online for 48 hours of hacking.

⁹Department of Communications and Digital Technologies

4.5 Professional Training

4.5.1 Games, Learning Management Systems, Robotics & Computing-related

- Artificial Intelligence for Everyone, March 2020 (Facilitator: Andrew Ng), Deep Learning.AI, USA.
- Digital Teaching and Learning with Blackboard 2017 (Facilitator: Blackboard (EiffelCorp Ltd.), University of Johannesburg, South Africa).
- Robotics (Hardware Design and Programming) 2016 — using Lego Mindstorms EV3 (Facilitator: HandsOn Technologies, Johannesburg South Africa).
- Game Design & Virtual Storytelling Workshop 2014 (Facilitator: Prof. Ernest Adams¹⁰).
- Serious Games Development Workshop 2014 (Facilitator: Prof. Pamela M. Kato¹¹).
- Enterprise Software Development — On the job training (OJT) 2009 to 2012.

4.5.2 Education/Academia

- Workshop on Contract Development and Contract Management at Council Chambers, UJ, on August 12, 2019.
- Workshop on Portfolio Development for Promotion (UJ) 2017.
- Research Paper Writing Workshop (WITS) 2013.
- Teaching Curriculum Development (FPI) 2008.

4.5.3 Finance & Investment

- Global Information Risk Management 2015.
- The Volcker Rule 2015.
- Barclays Level 2 Financial Crime Training — Sanctions, AML¹² (Politically Exposed Persons), AML (Opaque Ownership) 2015.

¹⁰http://www.designersnotebook.com/Home_Page/home_page.htm

¹¹<http://pamkato.com/>

¹²Anti-Money Laundry

- BAGL¹³ — Data Quality Management Curriculum 2014.
- BAGL — Conduct Risk Awareness 2014 CIB.
- CIB¹⁴ Cross-Border Compliance 2014.
- Business Continuity Management 2015.
- Financial Modelling with Excel (VBA¹⁵) 2012.
- Bonds Trading (The Gilts Game) 2011.

4.5.4 Science, Technology & Others

- Science Communication and Media Presentation (British Council) 2014.
- Photovoltaic Systems Design and Installation 2009.

¹³Barclays Africa Group Limited

¹⁴Corporate and Investment Banking

¹⁵Visual Basic for Applications

5. Work Experience

5.1 Work Experience Synopsis

[*Previous Work Activities*] Academic Research, University Lecturing, Enterprise Software Development, Database Design and Management, Financial Markets Research, Information Technology Consulting, Engineering Consulting, Educational Consulting, and Advisory.

5.2 Employment History

UJ 2016 — Now

	• <i>Full Professor</i>	Apr. 01, 2022 – to – <i>present</i>
[<i>Job Titles</i>]	• <i>Associate Professor</i>	Oct. 01, 2019 – to – March 31, 2022
	• <i>Senior Lecturer</i>	Sept. 01, 2016 – to – Sept. 30, 2019
[<i>Description</i>]	Teaching, research, postgraduate supervision, and administration.	
[<i>Employer</i>]	Johannesburg Business School (from April 2022), and Department of Applied Information Systems (Up till March 2022), University of Johannesburg, Johannesburg, South Africa.	
[<i>Activities</i>]	Undergraduate and postgraduate teaching and research project/thesis supervision, mentoring, academic citizenship, etc.	
[<i>Sector</i>]	Higher Education.	
[<i>Date</i>]	September 01, 2016 – to – <i>present</i> .	

WITS 2015 — Now

[<i>Job Titles</i>]	Visiting Researcher in Computer Science
[<i>Description</i>]	Unpaid visiting researcher's position.

-
- [*Employer*] School of Computer Science and Applied Mathematics, Faculty of Science, University of the Witwatersrand.
- [*Activities*] Joint postgraduate supervision (Honours/MSc/PhD), and research collaborations.
- [*Sector*] Higher Education.
- [*Date*] November 17, 2015 – to – *present*.
-

SLG 2016

- [*Job Title*] Specialist, Educational Technologies
- [*Description*] Designing new educational solutions and serious games to support teaching at different levels.
- [*Employer*] Sifiso Learning Group, 269 Oxford Road, Illovo, Sandton, Johannesburg.
- [*Activities*] Designing educational games and learning tools; automatic problem synthesis; grammar-based problem synthesis, algorithms for rendering mathematical equations to speech, and in browsers/mobile platforms.
- [*Sector*] Educational Consulting.
- [*Date*] June 08, 2016 – to – August 11, 2016.
-

Isazi 2016

- [*Job Title*] Consultant, Formal Models of Computation
- [*Description*] Part Time Consulting on applications of formal languages and automata theory in problem synthesis.
- [*Employer*] Isazi Consulting Limited, 36-38 Homestead Road Rivonia, Johannesburg.
- [*Activities*] Design of a special-purpose compiler for mathematical problem synthesis.
- [*Sector*] Consulting.
- [*Date*] April 01, 2016 – to – May 31, 2016.
-

Barclays 2015

[*Job Title*] Mid Controller, Independent Valuations Control Group

[*Description*] Advisory and Consulting.

[*Employer*] Valuations Team, Barclays Africa Group Limited, 15 Alice Lane, Sandton Johannesburg.

[*Activities*] Process Automation, Pattern Recognition, and Pricing.

[*Sector*] Investment Banking, Finance, Consulting.

[*Date*] July 03, 2015 – to – September 30, 2015.

WITS 2015

[*Job Titles*] Lecturer in Electrical Engineering (Game Design)

[*Description*] Teaching video game design courses at undergraduate levels.

[*Employer*] School of Electrical and Information Engineering, Faculty of Engineering and Built Environment, University of the Witwatersrand.

[*Activities*] Teaching undergraduate courses in game design and scripting, serious game development, technical/laboratory support, demonstrations and exhibitions.

[*Sector*] Higher Education.

[*Date*] July 01, 2015 – to – December 31, 2015.

WITS 2014 — 2015

[*Job Titles*] Sessional Lecturer in Computer Science

[*Description*] Teaching, research, postgraduate supervision.

[*Employer*] School of Computer Science and Applied Mathematics, Faculty of Science, University of the Witwatersrand.

[*Activities*] Research, postgraduate supervision, teaching undergraduate and Honours courses in Computer Science, technical/laboratory support, demonstrations and exhibitions.

[*Sector*] Higher Education.

[*Date*] January 06, 2014 – to – December 31, 2015.

WITS 2013

- [*Job Titles*] Teaching Assistant (Tutor) in Computer Science
- [*Description*] Supporting the teaching of undergraduate courses via tutoring.
- [*Employer*] School of Computer Science and Applied Mathematics, Faculty of Science, University of the Witwatersrand.
- [*Activities*] Tutoring, technical/laboratory support, demonstrations and exhibitions.
- [*Sector*] Higher Education.
- [*Date*] February 04, 2013 – to – December 31, 2013.
-

WITS 2013

- [*Job Titles*] Game Materials Developer
- [*Description*] Game and computer simulations development.
- [*Employer*] School of Computer Science and Applied Mathematics, Faculty of Science, University of the Witwatersrand.
- [*Activities*] Tutoring, technical/laboratory support, demonstrations and exhibitions.
- [*Sector*] Higher Education.
- [*Date*] April 10, 2013 – to – June 30, 2013.
-

EKSU 2012 — 2013

- [*Job Title*] Lecturer in Computer Science
- [*Description*] Lecturer in the Computer Science Division, Department of Mathematical Sciences.
- [*Employer*] Ekiti State University, Ado-Ekiti (EKSU), Ekiti State, Nigeria.
- [*Activities*] Teaching and Research.
- [*Sector*] Higher Education.
- [*Date*] September 03, 2012 – to – January 31, 2013.
-

NSUK 2012

- [*Job Title*] Lecturer in Computer Science
- [*Description*] Lecturer in the Computer Science Division, Department of Mathematical Sciences.

[Employer] Nasarawa State University, Keffi (NSUK), Nasarawa State, Nigeria.

[Activities] Teaching, Research, and Software Exhibitions.

[Sector] Higher Education.

[Date] April 23, 2012 – to – August 31, 2012.

FDHL 2011 — 2012

[Job Titles] *Information Technology Consultant* (April 11, 2012 – January 31, 2013),

Information Technology Associate (P5.5) (November 01, 2011 – to – April 05, 2012),

[Description] IT Associate in the Outsourcing and Technology Group (OTG), and later (while in consulting role), IT Consultant in Financial Software Development (FGN Bonds Module) in the OTG.

[Employer] Financial Datanet House Limited (FDHL), Honidel Hut, Unit 9, Osborne Terrance Houses, Udi Street, Osborne Estate, Ikoyi Lagos, Nigeria. www.fdhlgroup.com; www.fdhlanalytics.com

[Activities] Design and development of financial software products.

[Sector] Finance, Financial Reporting, Consulting.

[Date] (see above titles).

SIMPLEX 2009 – 2010

[Job Title] Financial Applications Programmer.

[Description] Programmer and Software Support Staff.

[Employer] Simplex Business Systems Limited, #28, Gbolade Adebajo Street, Ilupeju, Lagos, Nigeria.

[Activities] Translating existing software from Clarion 5.5 to ASP.Net Web Application, Real Estate Application Development, Crystal Reporting, and SQL Scripting.

[Sector] Software Industry, Financial Software.

[Date] December 01, 2009 – to – January 22, 2010.

OB-LINKS 2009

[Job Title] ASP Web Applications Developer

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- [*Description*] Educational Web Portal Developer using .Net Technologies.
- [*Employer*] OB-Links Systems and Services Limited, #522 Okene-Kabba Road, Beside 4th Republic Housing Estate, Lokoja, Kogi State, Nigeria.
- [*Activities*] Academic Software Development for Kogi State Ministry of Science and Technology, Penetration Testing, Database Management, Data Warehousing and Software Support Rendering at client sites.
- [*Sector*] Software Industry, Educational Software.
- [*Date*] March 03, 2009 – to – September 01, 2009.
-

FPI 2008 – 2009

- [*Job Title*] Teaching Assistant in Computer Science
- [*Description*] Lecturing computer programming courses at a Federal Polytechnic in partial fulfilment of the National Youth Service Corps (NYSC) Programme.
- [*Employer*] The Federal Polytechnic Idah, Kogi State, Nigeria.
- [*Activities*] Teaching and researching in computing, conducting seminars and workshops, administering assessments (tests and exams), and joint higher diploma projects supervision.
- [*Sector*] Higher Education.
- [*Date*] March 26, 2008 – to – February 06, 2009.
-

NSUK 2006

- [*Job Title*] Technician/Programmer (Intern)
- [*Description*] Students' Industrial Work Experience Scheme (SIWES) at a Computer Research Laboratory, Department of Mathematical Sciences of a University.
- [*Employer*] Nasarawa State University Keffi, Nigeria.
- [*Activities*] Implementation of Numerical Methods, Research and Technical Reports Preparation, Hardware and Software Support, automation of medical processes (Patients Records), hostel allocation and result processing software development.
- [*Sector*] Higher Education
- [*Date*] May 01, 2006 – to – October 31, 2006.
-

6. Supervision & Mentoring

6.1 Postdoctoral Research Supervision

- [Dr CW Okonkwo] Artificial Intelligence in Education. Two-year research plan. UJ, 2019 to 2021 (100% Supervision) [Completed with six publications].
- [Dr LO Idahosa] 4IR Applications in Business and Economics. One-year research plan. UJ, 2020 to 2021 (100% Supervision) [Completed].
- [Dr RO Adetunji] Serious Games, Artificial Intelligence and Applications (Small Businesses, Start-up Techs, and SDGs). Two-year research plan. UJ, 2024 to 2026 (100% Supervision). [In progress with one publication]
- [Dr KO Olorede] Data Science, Artificial Intelligence, and Applications. Two-year research plan. UJ, 2024 to 2026 (100% Supervision). [In progress]

6.2 Doctoral Research Supervision

- [Matshona Fhumulani] Police Case Management in South Africa Using Gamification and Artificial Intelligence. Proposal Stage. UJ-JBS, 2024 to 2026 (50% Supervision with Prof. Lawrence Obokoh) [In progress].
- [Rotimi Agbebi] Training process modelling and control in virtual reality using African languages. DPhil in Digital Transformation. Proposal Stage. UJ-JBS, 2023 to 2025 (100% Supervision) [In progress].

- [Dominique Nupen] Estimating the impact of foreign direct investment decisions using Artificial Intelligence. DPhil in Digital Transformation. Proposal Stage. UJ-JBS, 2023 to 2025 (100% Supervision) [In progress].
- [Grace Hamauka] Game-based learning of risks in banking using synthesized scenarios. DPhil in Digital Transformation. Proposal Stage. UJ-JBS, 2023 to 2025 (100% Supervision) [In progress].
- [Khutjo Nat Mabetwa] Blockchain-driven value co-creation. DPhil in Digital Transformation. Design Stage. UJ-JBS, 2022 to 2024 (50% Supervision with Prof. Fosso-Wamba) [In progress].
- [Lucky Rabyanyana] Application of virtual reality in training small businesses in South Africa. DPhil in Digital Transformation. Design Stage. UJ-JBS, 2022 to 2024 (100% Supervision) [In progress with one publication].
- [Susan Mangole] New technology toolkit for financing small businesses in South Africa. DPhil in Digital Transformation. Proposal Stage. UJ-JBS, 2023 to 2025 (100% Supervision) [Completed with two publications].
- [Opeoluwa Iwashokun] Automatic proofreading of information systems' research proposals. PhD in Information Systems. Proposal Passed, Design Stage. UJ, 2021 to 2024 (100% Supervision) [Completed with two publications].
- [Stephen Obare] Automata-aided comprehension of tweets for map annotation. PhD in Computer Science. Thesis Writing Stage. JKUAT¹, 2017 (50% Supervision with Prof. Onyango Okeyo) [Completed with two publications].
- [Aneetha Sukhari] The value relevance of business models and 4IR technologies: A South African perspective. PhD in Accounting and 4IR. UJ, 2021 to 2023 (50% with Prof. Daniel Coetsee) [Completed with two publications].
- [Simon Abbott²] South African healthcare and the fourth-industrial revolution: New applications of technology. PhD in Information Systems. Completed. UJ, 2017 to 2022 (100% Supervision) [Completed with five publications].

¹Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya.

²This candidate, Dr Simon Abbott, was studying towards a second PhD.

[George Obaido] SQL comprehension and synthesis. PhD in Computer Science. Completed. WITS, 2017 to 2020 (50% Supervision with Dr Hima Vadapalli) [Completed with six publications].

6.3 Master's (MSc/MCom) Research Supervision

[Machaka Mosehana] Adoption of Artificial Intelligence in the generation of scenarios and simulations for training small medium enterprises. MCom in Strategic Management, UJ, 2022 to 2024 (33% Supervision with Prof. David Poee and Ms. Suzaan Hughes) [In progress].

[Mandlenkosi Shezi] Zulu-Python: A translator and a tool for writing python programs in IsiZulu. MCom in Applied Information Systems, UJ, 2022 to 2024 (100% Supervision) [In Progress with one Intellectual Property (IP), Software/Copyright].

[Larisha Laloo] Loss aversion: Measuring the level of and sensitivity to financial loss within a risky choice task. Design stage. MCom in Finance, UJ, 2020 to 2022 (50% Supervision with Ms. Jordy Bolton) [In progress].

[Babajide Adewunmi] Synthesis of master's and doctoral information systems' proposal sketches. MCom in Applied Information Systems, UJ, 2021 to 2023 (100% Supervision) [Completed with distinction and one publication].

[Peter Olujimi] Synthesis of comments to social media posts for business applications. MCom in Applied Information Systems, UJ, 2021 to 2022 — completed in 2024 due to visa delays (100% Supervision) [Completed with distinction and two publications].

[Thabile Dube] Evaluating the impact of virtual reality technology on tourism product marketability in South Africa. Completed in April 2023. Master in Tourism and Hospitality (with focus on Virtual Reality Applications in Tourism), UJ, 2020 to 2023 (33% Supervision with Dr. LO Idahosa and Prof. Daneel Van Lill) [Completed].

- [Sonny Kabaso] Synthesis of tweets with applications in marketing and education. Completed in July 2020. MCom in Applied Information Systems, UJ, 2019 to 2020 (100% Supervision) [Completed with two *publications*].
- [Katlego Mabunda] Development of an intelligent chatbot for guiding visitors and locating venues. Completed in September 2020. MCom in Applied Information Systems, UJ, 2019 to 2020 (100% Supervision) [Completed with one *publication*].
- [Mark Durrheim] Puzzle generation for action-adventure games using graph grammars. Final submission overdue as at August 2018. MSc in Computer Science, WITS, 2016 (*study was suspended for a couple of years due to candidate's full time job demands*) to 2022 (50% Supervision with Prof. Sigrid Ewert) [Completed with *distinction*] — **82%**.
- [Nnamdi E-Okwunma] Automatic comprehension of customer queries for feedback generation. Completed in June 2018. MSc in Computer Science, WITS, 2016 to 2018 (100% Supervision) [Completed].

6.4 Master's (MBA) Capstone Supervision

- [Rorisang Chidi] Teaching financial reporting using AI-generated content and an educational game. MBA in Digital Transformation, JBS-UJ, 2025 (100% Supervision) [In progress].
- [Lindy Mashele] Trend Analysis of Artificial Intelligence and Employees' Performance in the Public Sector of South Africa. MBA in Digital Transformation, JBS-UJ, 2024 (100% Supervision) [In progress].
- [Paballo Pius Makhate] An AI-driven framework for process reengineering in banking operations: Case of Lesotho. MBA in Digital Transformation, JBS-UJ, 2024 (100% Supervision) [Completed].
- [Jikesh Jagbeer] Leveraging digital technologies to establish an E-Commerce capacity, JBS-UJ, 2024 (100% Supervision) [Completed].

- [Michael Nthodi] Integrity in big data for consulting firms: Issues and solutions. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Mark Pringle] Selling a grave: the ethical conundrum. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Cornu Van Niekerk] Harnessing AI for digital marketing strategy development in small and medium-sized enterprises. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed with *distinction*].
- [Peter Nkomo] New models for developing Artificial Intelligence software in FinTechs. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Siphosenkosi Galada] Off-the-shelve digital tools for optimizing the operations of work-integrated learning in universities and TVET colleges. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Ronewa Mugwena] Impact of digital transformation on higher education in South Africa. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed with *distinction*].
- [Luvuyo Silandela] Drone policies in South Africa and counterparts in Africa. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Meryl Marcks] Aligning equipment with projects in construction using a recommender system. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].
- [Mandhla Matshazi] Impact of subscription revenue models on channel partners in Industrial Automation. MBA in Digital Transformation, JBS-UJ, 2023 (100% Supervision) [Completed].

6.5 Honours Research Supervision (BSc/BCom Hons)

- [Shaahid Rawat] *Alibi*: A graph-driven algorithm for attendance capturing. BCom (Hons) in Applied Information Systems, UJ, 2021 (100% Supervision) [Completed].

- [Nikita Patel] New algorithms for balanced grouping of students with performance and personality considerations. BCom (Hons) in Applied Information Systems, UJ, 2021 (100% Supervision) [Completed].
- [Safwaan Patel] Predicting student success in introductory programming using machine learning on weekly lab marks. BCom (Hons) in Applied Information Systems, UJ, 2021 (100% Supervision) [Completed].
- [Jakote Lejaha] Development of interactive teaching videos for introductory programming. BCom (Hons) in Applied Information Systems, UJ, 2021 (50% Supervision with Prof. Hossana Twinomurinzi) [Completed].
- [Atshilaho Netshirando] Cloud-Mario: an educational game for learning cloud technologies and infrastructure. BCom (Hons) in Applied Information Systems, UJ, 2021 (50% Supervision with Mr Siyabonga Mhlongo) [Completed].
- [Malia Sekokotoana] Automatic supervision of online assessment using system process information and random student photographing. BCom (Hons) in Applied Information Systems, UJ, 2021 (50% Supervision with Mr Siyabonga Mhlongo) [Completed with one *publication*].
- [Nicholas Visentin] Crowd-sourced supervisors for automatic invigilation of online assessments. BCom (Hons) in Applied Information Systems, UJ, 2021 (50% Supervision with Mr Siyabonga Mhlongo) [Completed with one *publication*].
- [Darren Semusemu] A tool for automatic CV synthesis using context-free grammars. BCom (Hons) in Applied Information Systems, UJ, 2020 (100% Supervision) [Completed with *distinction* and one *publication*].
- [Sibusiso Kubeka] Automatic comprehension and summarisation of legal contracts. BCom (Hons) in Applied Information Systems, UJ, 2020 (100% Supervision) [Completed with *distinction* and one *publication*].
- [Mandlenkosi Shezi] Deaf-Chat: A speech-to-text communication aid for hearing deficiency. BCom (Hons) in Applied Information Systems, UJ, 2020 (100% Supervision) [Completed with *distinction* and one *publication*].

- [Mohammed Ismail] Development of a chatbot for advising struggling students in introductory programming. BCom (Hons) in Applied Information Systems, UJ, 2019 (100% Supervision) [Completed with *distinction* and one *publication*].
- [Elsa Kalemba] A metric for estimating the difficulty of programming problems by ranking the constructs in their solutions. BCom (Hons) in Applied Information Systems, UJ, 2019 (100% Supervision) [Completed with *distinction* and one *publication*].
- [Sifiso Mahlangu] Learning regular expressions via mobile gaming. BCom (Hons) in Applied Information Systems, UJ, 2018 (100% Supervision) [Completed with *distinction*].
- [Tshephiso Serage] Development of a social media serious game for depression therapy. BCom (Hons) in Applied Information Systems, UJ, 2018 (50% Supervision with Ms Tebogo Makaba) [Completed].
- [Linda Mahlobo] Development of an online archive for qualification verification. BCom (Hons) in Applied Information Systems, UJ, 2017 (100% Supervision) [Completed with *distinction*].
- [Ariel Rosenfeld³] Regex Parser II: Teaching regular expression fundamentals via educational gaming. BSc (Hons) in Computer Science, WITS, 2016 (50% Supervision with Prof. Sigrid Ewert) [Completed with *distinction* and one *publication*].
- [Mark Durrheim⁴] Code-Pathfinder: A stepwise programming E-tutor using plan mirroring. BSc (Hons) in Computer Science, WITS, 2015 (50% Supervision with Prof. Sigrid Ewert) [Completed with *distinction* and one *publication*].

³This student's Honours research output was accepted as a poster presentation at SAICSIT 2016, and as a full paper for SACLA 2017

⁴This student's Honours research output was accepted as a full paper for SACLA 2016, and he continued in 2016 as a Master's student under the joint supervision of myself and Prof. Sigrid Ewert

- [David Kroukamp] Template-driven automatic generation of programming puzzles and solutions for gaming applications. BSc (Hons) in Computer Science, WITS, 2015 (50% Supervision with Prof. Sigrid Ewert) [Completed with *distinction*].
- [Loveness Masemola] Automatic marking of formal language automata. BSc (Hons) in Computer Science, WITS, 2013 (50% Supervision with Prof. Sigrid Ewert) [Completed].

6.6 Mentoring and Training Students for Programming Competitions

- [Techno Centre Mentor] Mentored⁵ 50+ undergraduate students in the Techno Centre of the SCiiS at UJ. This includes teaching students the science of programming and general problem solving with data structures and algorithms (February, 2018 to December 2019).
- [Postgraduate Mentor] Mentored undergraduate students and led them to compete at the ACM ICPC⁶ at Wits University in 2014. This mentoring includes teaching students the craft of programming and general problem solving with data structures and algorithms.
- [Postgraduate Mentor] Trained and led undergraduate students to the Standard Bank IT Challenge at Wits University in 2014.
- [Postgraduate Mentor] Led undergraduate students to the CHPC⁷ Server Cluster Challenge in 2013.
- [Staff Mentor] Managed the Google and Microsoft Development Teams consisting of undergraduate and honours students at Ekiti State University in 2012.

6.7 Administrative and Leadership Roles

- [Senate T&L] Currently serving on the Senate's Teaching and Learning Committee at the University of Johannesburg from March 2022.

⁵From March 2018 to December 2019

⁶International Collegiate Programming Competition

⁷Centre for High Performance Computing

- [TPAC] Currently serving on the Teaching Portfolio Assessment Committee (TPAC) at the University of Johannesburg from 2021.
- [4IR Curriculum Dev] Developed the curriculum for five Short-Learning Programmes that address the fourth-industrial revolution in November 2018. This was submitted to a SCIIS Panel.
- [Workload Team] Part of the CBE Team that moderated the Workload Model for the entire faculty in July, 2018.
- [T&L PC] Served on the CBE⁸ Programme Committee (PC) from 2017 to 2018. The PC deals with curriculum development and adjustments; i.e. all issues around teaching, learning and curriculum.
- [Knowledge Creation] Appointed (in June 2017) and currently serving on the CBE Task Team on Knowledge Creation (Research). This portfolio handles (at faculty level) issues around the strategies for improving the research productivity of academics.
- [Deputy HoD] Appointed as the Deputy Head of the Department of Applied Information Systems, School of Consumer Intelligence and Information Systems in May 2017. This portfolio handles teaching and learning issues at the departmental level.
- [Higher Degrees] Member of the Departmental Higher Degrees Committee of the Department of Applied Information Systems, School of Consumer Intelligence and Information Systems, since January 2017. This committee debates and approves Masters and Doctoral proposals/dissertations/theses, and appointment of examiners.
- [PhD Panel] Served as a panel member and a critical reader of a PhD research proposal on the applications of ICT in Mathematics Education in the School of Education at WITS University in May 2017.
- [MSc/PhD Panel] Served as a panel member in evaluating MSc and PhD research proposal in the School of Computer Science and Applied Mathematics at WITS University in from January 2015 till date.

⁸College of Business and Economics at the University of Johannesburg.

- [Ethics Committee] Currently serving (from January 2017 to date) on the Ethics Committee of the Department of Applied Information Systems at University of Johannesburg. This committee checks for ethical issues around research projects and approves such projects if no concerns are found.
- [Exam Panel] Served as an examination panel member and presided on the approval of many examination questions, approval of results, and debating of borderline cases; in the school of computer science at WITS University from 2013 to 2015.
- [Examination Officer] Served as the examination officer in the Department of Mathematical Sciences, handling the computation of undergraduate result – EKSU 2012.
- [Group Leader] Appointed as the Software Lead Designer on the Bonds Analytics Software Project at FDHL⁹ between 2011 – 2012.
- [Team Leader] Led a team of three programmers (myself and two other mates) to compete at the Nigerian Universities Computer Programming Competition (NUCPC¹⁰) in November 2007.
- [Sabon/Instructor] Appointed the Sabon (Taekwondo Instructor) of the University's Taekwondo Club at Nasarawa State University between 2006 and 2007.

⁹Financial Datanet House Limited, www.fdhlanalytics.com

¹⁰Nigerian Universities Computer Programming Contest

7. Teaching

7.1 Courses Taught

7.1.1 Year I

Course Code	Title	Institution	Year
DEV1A01 & DEV1B01	Development Software 1A & 1B (Full Course Lecturer, average of 120 students per module per year)	University of Johannesburg	2017 to 2022
DSW01B1	Development Software 1B (Full Course Lecturer, 140 students)		2017
SSW01B1	Systems Software (Full Course Lecturer, 131 students)		2016
CSC 121	Introduction to Computer Programming (50% Course Lecturer, 100+ students)	Nasarawa State University	2012
CSC 111	Introduction to Computer Systems (Full Course Lecturer, 70+ students)	Federal Polytechnic Idah	2008

7.1.2 Year II & Higher Diploma

Course Code	Title	Institution	Year
DEV 2A01	Development Software 2A — Databases (Full Course Lecturer, 100+ students)	University of Johannesburg	2022

DSW 02A1	Development Software 2A — Web App Development (Full Course Lecturer, 90+ students)		2018
WSOA 2006	Digital Art Design Project (50% Course Lecturer, 33 students)	WITS University	2015
COMS 2001	Operating Systems (Full Course Lecturer, 86 students)		2014
COMS 2002	Database Fundamentals II (with MySQL) (Tutor/Assistant)		2013
COMS 2003	Application and Analysis of Algorithms II (with Java), (Tutor/Assistant)		2013
COMS 2000	Programming Languages (Tutor/Assistant)		2013
CSC 221	Computer Programming II (Full Course Lecturer, 100+ students)	Nasarawa State University	2008

7.1.3 Year III

Course Code	Title	Institution	Year
WSOA 3004	Video Game Design (50% Course Lecturer, 22 students)	WITS University	2015
COMS 3003	Formal Languages and Automata Theory (Full Course Lecturer, 56 students)		2014
COMS 3000	Algorithms and Artificial Intelligence (Tutor/Assistant)		2014

7.1.4 Year IV/Honours

Course Code	Title	Institution	Year
APM11A1	Advanced Programming (Full Course Lecturer, average of 60 students yearly)	University of Johannesburg	2017 to 2020

COMS 4000	Honours Compilers (Full Course Lecturer in 2015 with about 25 students; Tutor/Assistant in 2013)	WITS University	2013, and 2015
CSC 428	Introduction to Artificial Intelligence (Full Course Lecturer, 28 students)	Ekiti State University	2012
COM 403	C++ Programming (Full Course Lecturer, 60+ students)	Federal Polytechnic Idah	2008

7.1.5 PGDip, Masters/PhD

Masters, DPhil, or PhD degree courses taught for MSc/PhD programmes by Coursework and Research.

Course Code	Title	Institution	Year
DIG8X01	Digital Technologies (65 PGDip students)	JBS	2023
DPhil-AI	Digital Transformation (Lecture on AI and Applications, 30+ DPhil students)	JBS	2022 till date
COMH 7267	mHealth Technologies (33.3% Course Lecturer, 30 students)	School of Public Health, WITS University	2016

7.2 Teaching Laurels

Won teaching and learning awards at all levels, including: teaching awards at departmental, school, faculty, and institutional levels. More about teaching awards can be found in Section 3.3.

8. Academic Citizenship

8.1 Reviewer and Programme Committees

- [*PC Member, IFIP-ICEC*] Programme committee member of the 21st International Federation for Information Processing — International Conference on Entertainment Computing (IFIP-ICEC 2022), Bremen, Germany, 1–3 November, 2022. <https://www.icec2022.eu/>.
- [*Co-Editor, ICISSET*] Editorial board member of the International Conference on Information Systems and Emerging Technologies, Namibia University of Science and Technology (NUST), Faculty of Computing and Informatics, 23–25 November 2022. <https://iciset.nust.na/>.
- [*Co-Organiser, CSSS*] Co-organiser of the International Conference on Computational Social Sciences and Sustainability, Hong Kong. <http://www.ieti-csss.org/index.html>.
- [*PC Member, NCS*] Member of the International Programme Committee of the Nigeria Computer Society's 2021 International Conference (Lagos, Nigeria).
- [*Award Designer*] Designed the PDRF¹ Awards for the year 2020 at the University of Johannesburg. This includes the definitions of a *Top Emerging PDRF* and an *Established PDRF*.
- [*Co-organiser*] Member of the Organising Committee of the workshop on *Data Across Disciplines 2020*. Other members are: Prof. Alan Cornell (Particle Physicist), Prof. Charis Harley (Data Scientist) and Amira Abbas (Quantum ML Scientist). URL: <https://www.uj.ac.za/newandevents/Pages/pg-workshop.aspx>.

¹Postdoctoral Research Fellowship

- [*Co-organiser*] Member of the Organising Committee of the International Conference of Accounting and Business (iCAB) 2021.
- [*Judge*] Judge at the 3MT (Three Minute Thesis) competition, organised by the University of Queensland and the University of Johannesburg, held on 9th September, 2020.
- [*Co-organiser*] Member of the Local Organising Committee of the Conseil Européen pour la Recherche Nucléaire (CERN, or in English, European Council for Nuclear Research) Pre-Kruger Machine Learning School of 2020. Other members are: Prof. Alan Cornell (Particle Physicist), Prof. Wesley Doorsamy (Electrical Engineer), and Prof. Charis Harley (Data Scientist).
- [*Judge*] National Data Science Hackathon at NEMISA 4IR Digital Skills Summit and Research Colloquium, Birchwood Hotel & OR Tambo Conference Centre, 11th to 13th March, 2020. URL: <https://4irdigitalskills.co.za/#Speakers>.
- [*Reviewer*] 28th European Conference on Information Systems (ECIS 2020), Marrakech, Morocco, June 15th to 17th, 2020.
- [*Judge*] Post-doctoral Research Poster Competition on Fourth-Industrial Revolution at the Post-doctoral Research Fellow's Annual Forum, University of Johannesburg, October 30, 2019.
- [*Reviewer*] ICICIS 2019 (Johannesburg, South Africa).
- [*EDHE Judge*] Judge at the DHET EDHE Entrepreneurship Interschool Competition on 23rd May 2019.
- [*Reviewer*] The IEEE International Multidisciplinary Information Technology and Engineering Conference (IMITEC 2019) November 21st to 22nd, 2019.
- [*Reviewer*] 27th European Conference on Information Systems (ECIS 2019), Stockholm University, Sweden, June 8th to 14th, 2019.
- [*Reviewer*] First International Conference on the 4th Industrial Revolution and Library Practices, 23rd to 25th October, 2019.

- [Reviewer] NRF Professional Applications in Computer Science Education, November 2018.
- [Assessor] UJ FINEX Entrepreneurship Disrupt Company Plans, November 2018.
- [Reviewer] UJ Research Papers for the Postdoctoral Research Fellows' Annual Forum, November 2018.
- [Co-Chair] Co-Chair, ICICIS 2018 (Gaborone, Botswana).
- [Chair] Conference Chair (organiser and host), ICICIS 2017.
- [Reviewer] SAICSIT Conference 2014 to date.
- [Reviewer] SACLA Conference 2016, Pretoria, South Africa.
- [Reviewer] Joint PRASA, RobMech² and AfLaT³ International Symposium 2014, Cape Town, South Africa.

8.2 Doctoral External Examinations

- [PhD] PhD (Business Leadership) *Final Thesis* of Simphiwe Khethukuthula Cele (57647577), Titled: *The Disruptive Impact of Financial Technologies on the Financial Services Industry in South Africa*, Supervised By: Prof. Vusi Gumede, University of South Africa, September 2023.
- [PhD] PhD (Biostatistics) *Final Thesis* of Okechinyere Achilonu, Titled: *Knowledge Discovery through Mining Mixed Data Types for Cancer Diagnostic and Prognostic Prediction Modelling*, Supervised By: Prof. Eustatius Musenge, Prof Rene Eijkmans, and Dr Gideon Nimako; Faculty of Health Sciences, Wits University, June 2022.
- [PhD] PhD (Computer Science) *Final Thesis* of Prasad Kaviti, Titled: *Selection and Estimation of Clustering Parameters for Multispectral Satellite Image Analysis*, Supervised By: Prof. V. Valli Kumari; Department of Computer Science and Systems Engineering, College of Engineering (Autonomous), Andhra University, Visakhapatnam, India, March 2021.
- [PhD] PhD (Computer Science) *Final Thesis* of Mr. Kaniwa Freeson, titled: *A KMER-Based Parallel Algorithm for Pattern Searching in DNA Sequences on Shared-Memory Model*, supervised by: Dr Kuthadi, Prof Schroeder, & Dr Dinakennyane; Department of Computer Science and Information Systems, BIUST (Botswana), February 2018.

²Robotics and Mechatronics

³African Language Technology

- [PhD] PhD (Mathematics Education with ICT) *Research Proposal* of Mrs. Rehana Minty, titled: *The Viability of Teaching and Learning Mathematics using ICTs in a Paperless Classroom*, supervised by: Prof Ian Charles Moll; School of Education, WITS, May 2017.
- [PhD] PhD (Computer Science) *Research Proposal* of Mr. Blessing Ogechi Ogbuokiri, titled: *Visual Password Scheme Using Shape Grammars*, supervised by: Prof Sigrid Ewert (WITS) and Prof Ian Sanders (UNISA); School of Computer Science and Applied Mathematics, WITS, November 2016.
- [PhD] PhD (Information Technology) *Research Proposal* of Mr. Bobo Novuyo, titled: *The design and implementation of the Information Security Awareness Adoption Framework (ISAAF) for Universities in Zimbabwe*, supervised by: Prof Marija Jakovljevic; School of Computing, UNISA, November 2015.
- [PhD] PhD (Computer Science) *Research Proposal* of Ms. Samkeliso Suku Dube, titled: *A Community Cloud for Universities*, supervised by Prof Ian Sanders and Dr W Van Staden, School of Computing, UNISA, November 2015.

8.3 Master's, and Other PG External Examinations

- [MSc] MSc (Computer Systems Management) final research dissertation of Bongani Kubheka (2024648), titled: *Information Security Challenges in a Humanitarian Contact Centre at National Disaster Management Agency (NDMA)*, supervised by Dr. Srinath Doss, Faculty of Computing, Botho University Gaborone, Botswana, August, 2021.
- [MSc] MSc (Computer Systems Management) final research dissertation of Matello Sethobane (1924358), titled: *Investigating the Level of Awareness and Adoption of Green Computing in Lesotho Institutions of Higher Education*, supervised by Dr. Srinath Doss, Faculty of Computing, Botho University Gaborone, Botswana, March, 2021.
- [MSc] MSc (Computer Systems Management) final research dissertation of Gerhard Shilongo (1919351), titled: *An Investigation on the Impact of the Adoption of Cloud Computing on Data Security of Enterprises in Oshakati, Namibia*, supervised by Dr. Srinath Doss, Faculty of Computing, Botho University Gaborone, Botswana, October, 2020.

- [MSc] MSc (Computer Systems Management) final research dissertation of Ishmael Gala (1100053), titled: *Scrutinizing the Level of Awareness of Green Computing Practices While Combating Covid-19 at Institute of Health Science, Gaborone*, supervised by Dr. Srinath Doss, Faculty of Computing, Botho University Gaborone, Botswana, October, 2020.
- [MSc] MSc (Computer Systems Management) final research dissertation of Lukusu Shungu (1818859), titled: *Cloud Cryptography: Securing Cloud Data with Encryption*, supervised by Dr. Rajiv Kumar, Faculty of Computing, Botho University Gaborone, Botswana, July, 2020.
- [MSc] MSc (Computing) final research dissertation of Kgaugelo Moses Dolo (58527141), titled: *Differential Evolution technique on weighted voting stacking ensemble method for credit card fraud detection*, supervised by Prof. Ernest Mnkandla, School of Computing, University of South Africa (UNISA), June, 2020.
- [MTech] MTech (Information Technology) final research dissertation of Gideon Kiprotich Koech (217250661), titled: *Investigation and Application of Artificial Intelligence Algorithms for Complexity Metrics Based Classification of Semantic Web Ontologies*, supervised by Dr JV Fonou-Dombeu, Department of Information Technology, Vaal University of Technology, February, 2020.
- [MA] MA (Archaeology – Video Games) final research dissertation of Timon Dawid du Toit (u14361958), titled: *Interactive Media in Archaeology: Video Games for Archaeological Heritage Conservation*, supervised by Dr Ndukuyakhe Ndlovu, Department of Anthropology and Archaeology, University of Pretoria, January 2020 and re-examined in November 2020.
- [MSc] MSc (Computer Science) final research dissertation of Mike Nkongolo (1171635), titled: *Using the Big Data for Corporate Brand Analysis on the Internet*, supervised by Prof Turgay Celik, School of Computer Science and Applied Mathematics, WITS University, September, 2019.
- [MCom] MCom (Informatics) final research dissertation of Yi-Yu Liu (13043707), titled: *The Advances of Stemming Algorithms in Text Analysis from 2013 to 2018*, supervised by Dr JP Van Deventer and Mr RM Kruger, Department of Informatics, University of Pretoria, July 2019.

- [MSc] MSc (Epidemiology – Public Health Informatics) final research dissertation of David Amadi (969197), titled: *An integrated knowledge ecosystem for infant mortality in Kilifi Health and Demographic Surveillance System (KHDSS)*, supervised by Dr Gideon Nimako and Michael Mapundu, School of Public Health, WITS University, June 2019.
- [MSc] MSc (Epidemiology – Research Data Management) final research dissertation of Victor Olago (1739470), titled: *Record Linkage of National Health Laboratory Service (NHLS) HIV Datasets to Cancer Registry Datasets using Supervised Learning Techniques*, supervised by Dr Gideon Nimako and Dr Mazvita Sengayi, School of Public Health, WITS University, February 2019.
- [MSc] MSc (Computing) final research dissertation of AY Alani (57317518), titled: *Short-term Multiple Forecasting of Electric Energy Loads with Weather Profiles for Sustainable Demand Planning in Smart Grids for Smart Homes*, supervised by Prof Isaac Osunmakinde, School of Computing, University of South Africa (UNISA), April/May 2018.
- [MSc] MSc (Epidemiology – Research Data Management) final research dissertation of Robert Adda (888714), titled: *Internal Migration Reconciliation for the Kintampo HDSS Core Dataset using Probabilistic Record Linkage Techniques*, supervised by Dr Gideon Nimako, School of Public Health, WITS University, February 2018.
- [MSc] MSc (Epidemiology – Research Data Management) final research dissertation of Kombassere Kouliga (1242647), titled: *A Metadata Driven Module for Managing and Interpreting HDSS Verbal Autopsy Datasets Using InterVA-4 Model*, supervised by Dr Gideon Nimako and Irma Mare, School of Public Health, WITS University, April 2017.
- [MSc] MSc (Epidemiology – Research Data Management) research protocol of Enock Dube (995063), titled: *Development of a Risk-Based Decision Support System for Recreational Fresh Water Use Guidelines in South Africa*, supervised by Dr Gideon Nimako and Dr Marius Claassen (CSIR), School of Public Health, WITS University, February 2017.
- [MSc] MSc (Epidemiology – Research Data Management) research protocol of Oliver Murangandi, titled: *Design and Implementation of Quality Assurance Modules in OpenHDS for Health and Demographic Surveillance System (HDSS) Sites*, supervised by Dr Gideon Nimako and Dr Nicolas Maire, School of Public Health, WITS University, February 2017.

- [MSc] MSc (Epidemiology – Research Data Management) research protocol of Patience Makawa, titled: *Analysis of Events and Circumstances Leading to 14000 Deaths in Rural Northeast South Africa using VA Datasets and Text Mining*, supervised by Dr Gideon Nimako and Chodziwadziwa Kabudula, School of Public Health, WITS University, February 2017.
- [B.Engr] B.Engr. (Electrical & Information Engineering) final dissertation of Darren Blanckensee, and Uyanda Mphunga, titled: *Accelerating Edge and Fog Computing with Data Comprehension*, supervised by Prof. Ekow Otoo, School of Electrical & Information Engineering, WITS University, September 2018.
- [B.Engr] B.Engr. (Electrical & Information Engineering) final dissertation of Moegamat Yusuf Ally, and Dylan Jacobsen titled: *Parallel Multidimensional Range Searches in Big Data of Objects Using Coordinate Transformation*, supervised by Prof. Ekow Otoo, School of Electrical & Information Engineering, WITS University, September 2018.

8.4 Local and International Academic / Industrial Collaborations

8.4.1 Academic Collaborations

Institution	Country	Collaborator (s)	Nature/Purpose	Year
Luleå University of Technology	Sweden	Professor Solomon Sunday Oyelere and Dr Nuru Jingili.	Serious Gaming	2022 to 2023
Joint: Oxford University (UK), Weizenbaum Institute (UJ), and Freie Universitat (Berlin)	United Kingdom and Germany	Prof Nicole Alexandra Stremlau (Oxford/UJ), Prof. Giovanni De Gregorio (Berlin).	AI and Law	2021
Computational Design Institute (CDI), Silicon Valley	San Francisco, CA	Alberto Tono and Hannah Luxenberg	Virtual Reality and Healthcare	2020 to date
JKUAT ⁴	Kenya	Dr George Okeyo	PG supervision	2017 to 2022

⁴Jomo Kenyatta University of Agriculture and Technology, Kenya

University of North Carolina, Chapel-Hill,	USA ⁵	Prof Lisa Hightow-Weidman, and Prof Kate Muessig	Teaching computer applications in mobile health	2016
IBM Research	USA	Dr Mike Marin	Research: Data Science	2016 to 2018
University of Manitoba	Canada	Prof Bob Travica	Research article editing ⁶	2016
WITS University	South Africa	Dr Hima Vadapalli, and Prof Sigrid Ewert (on separate projects)	PG supervision	2015 to 2022
UNISA ⁷	South Africa	Prof Ian Sanders	PG supervision, and research	2016 to 2018
Marketing, UJ	South Africa	Prof Marius Wait	Innovation	2019 to date
Data Across Discipline, UJ	South Africa	Prof Ebrahim Momoniat and Prof Charis Harley (on several projects)	Research and Innovation	2020 to date
Finance & Investment, UJ	South Africa	Jordy Bolton (Serious Game Development)	Research and 4IR Innovation	2021 to 2022
Accounting Management, UJ	South Africa	Prof. Daniel Coetsee (4IR in Business Models)	Research and 4IR Innovation	2021 to date

⁵United States of America

⁶Conversion of an invited SACLA paper from Word to LaTeX

⁷University of South Africa

8.4.2 Industry and Governmental Collaborations

Institution	Country	Collaborator (s)	Nature/Purpose	Year
Bloxberg	Munich, Germany	Friederike Kleinfurher	Blockchain Node Management	2023 to date.
SACNASP	South Africa	Dr Nompumelolo Obokoh	AI for Service Delivery	2023 to date.
CHIETA	South Africa	Yershen Pillay	Tech Skills Development	2023.
RED (Pty) Ltd	South Africa	Dave Reeve	Student Work Placement	2020 to 2022
CPSI ⁸ , Government Component	South Africa	Muzi Ntombela, Nape Mothiba, and Pierre Schoonraad	Innovation in Education	2018 to 2019
NLSA ⁹	South Africa	Andrew Malotle	4IR Innovation in Libraries	2019
Bridge Labs Co	South Africa	Kola Olajide	Innovation in Marketing	2018 to 2022
WeAreVR.Jozi	South Africa	Seven Companies ¹⁰	Innovations in VR/AR/XR	2019
EPIC Research & Development	South Africa	Dean Deacon	Innovations in VR/AR/XR	2019
Eden Immersive	South Africa	Malcolm Ché	Virtual Reality in Medicine	2019

⁸South African Centre for Public Service Innovation

⁹National Library of South Africa

¹⁰These companies and their CEOs are: New Reality (Steve Pinto, CEO), African Technopreneurs (Daliso Ngoma, Managing Director), Eden Immersive (Malcolm Che, Creative Technologist and Head of VR/AR), TMRW Digital Gallery (Artist and Gallery Manager), RSDATA Technologies (Daverin Nadesan, Entrepreneur & Software Developer), and Spaceboy Innovation Hub (Daniel De Bruin).

8.4.3 4IR Collaborations

Institution	Country	Collaborator (s)	Innovation	Year
Teaching Evaluation Software	South Africa	Dr Kibbie Naidoo	Teaching Evaluation Software	2022 to date
UJ Library	South Africa	Nomoya Mahlangu	Chatbot	2019 to 2020
UJ Library	South Africa	Prof. Maria Frahm-Arp	A 5-year MOU on 4IR for UJ Library	2020 to 2024
UJ Institute of Intelligent Systems	South Africa	Prof Babu Paul	App Development (Sentiment Analyser)	2019

8.5 Society Memberships and Selfless Services

8.5.1 Membership of Academic or Professional Bodies

[*Life Member*] Life Member of the International Engineering and Technology Institute (IETI), Denver USA and Hong Kong. Organisation consist of six Nobel Prize Winners. URL: <http://www.ietinet/pro/memberdetail.aspx?ID=846>.

[*Member*] International Association of Engineers (IAENG), Hong Kong. Membership Number: 231312.

[*Graduate Member*] Institute of Electrical & Electronics Engineers (IEEE) Computer Society, USA. Membership Number: 92355693.

[*Full Member*] Institute of Information Technology Professionals South Africa (IITPSA¹¹), South Africa. Membership Number: A038104.

[*Graduate Member*] Society for Industrial and Applied Mathematics (SIAM), USA. Membership Number: 7242164901.

[*Fellow*] 1830 TEDx, a TED Initiative (Inducted in August 2014).

[*Member*] South African Institute of Computer Scientists and Information Technologists (SAICSIT). Previously served on review board of SAICSIT.

¹¹Formerly the Computer Society of South Africa

[Member] Southern African Computing Lecturers' Association (SACLA). Previously served on review board of SACLA.

[Member] Pattern Recognition Association of South Africa (PRASA). Previously served on review board of PRASA.

8.5.2 Selfless Services and Unpaid Societal Contributions

- **The Kingsman Academic — Technology Entrepreneurship, Training and Mentoring, South Africa**¹² — Founder of Nonprofit Organisation for training and mentoring in technology — Programming and Job Creation. Cause: Reduction of unemployment among graduates, South Africa (2017 – Now).
- **GRIT Lab Africa**¹³ — Founder of GRIT Lab Africa. Cause: Training young Africans how to solve problems with computer programming. Non-profit and registered in South Africa, Reg No. 574049 (2022 – Now).
- **Thusanani Foundations, South Africa**¹⁴ — Unpaid Special-Skills Volunteer. Cause: Improving education in rural areas of South Africa (2013 – 2015).
- **National Youth Service, Nigeria**¹⁵ — Paramilitary National Service. Served the Federal Government of Nigeria for one year (2008 – 2009).

8.6 Keynote Talks, Masterclasses, Panels, and Media Appearances

8.6.1 Colloquial, Public Lectures, Visits, and Exhibitions

[SheSTREAM] *Led a technological innovation hackathon for 300 high school girls at the University of Cape Town on the 25th January 2025.*

[ABSA Keynote] *Gave a keynote speech to ABSA Bank's Senior CIB Leadership Africa Regional Operations on Artificial Intelligence and the future of Africa. Event was held at Seven Villa Hotel, Sandton. 10th February, 2025.*

[Career Fair & Conference] *MTN, Ericsson, ZTE, and other major collaborators visited JBS for a motivational conference and a Career Fair for students. 28th of June, 2024.*

¹²https://www.instagram.com/kingsman_academic_official/

¹³<https://gritlabafrika.org/>

¹⁴<http://www.thusananifoundation.co.za/>

¹⁵<http://www.nysc.gov.ng/>

- [Keynote Speaker] *Keynote at International Dialogue* Prof. Ade-Ibijola attended and spoke at the South Africa-Nigeria Business Chamber Youth Business Forum, discussing Artificial Intelligence, the Youth and Educational Systems in Africa. 13th of June, 2024
- [Executive Conference Dinner] *University of Johannesburg Library hosted a Conference and Dinner*The JBS Innovation Lab was represented by Prof. Ade-Ibijola and four student innovators that exhibited the drone technologies and other innovations from the JBS Innovation Lab. 11th of June, 2024
- [Keynote International (USA)] *Delivered a Keynote Address at the National Academies workshop, on Artificial Intelligence in Education and Mental Health for a Sustainable Future.* Held Room 100 of the National Academies Keck Center (500 Fifth Street NW Washington, DC). 30th of May, 2024.
- [International Official Visit] *Official International Visit from Woxsen Univisersity* represented by Dr. Anil Pise & Prof. Dr. Hemachandran K. They were hosted at the JBS Innovation Lab, where they were impressed by the immersive experiences on display. 30th of May, 2024.
- [Keynote International (USA)] *Delivered a Keynote Address at the National Academies workshop, on Artificial Intelligence in Education and Mental Health for a Sustainable Future* Held Room 100 of the National Academies Keck Center (500 Fifth Street NW Washington, DC), 30th of May, 2024 [Joined Online].
- [Host] *Official Visit: Sohar University, Oman visited (Abdullah Al Jabri & Bader Said Al Zaabi),* JBS Innovation Lab. 29th of May, 2024.
- [SANSI Official Launch Event] *Prof. Ade-Ibijola and a delegate of student innovators represented the JBS Innovation Lab at the launch of the South African National Service Institute (SANSI) Pretoria (22 May 2024).* Prof Ade-Ibijola had been involved in the early design stage of this national initiative for South Africa.
- [NSTF-32 Finalist Nomination] *Prof. Ade-Ibijola's social project, GRIT Lab Africa, was nominated nominated for the NSTF (The South African National Science and Technology Forum) award* for an outstanding contribution to science, engineering and technology (SET) and innovation in South Africa (21 May 2024). Award dinner was held in July 2024.
- [Official VR Exhibition] *The VR Courtroom video game was exhibited to the Faculty of Law at JBS Innovation Lab,* in anticipation of the official launch coming on the 19th of July 2024. 14th of May, 2024

- [*International Research Hackathon 2024*] *Prof Ade-Ibijola launched a two-week international research hackathon, during which we produced manuscripts and innovations across disciplines for publishing in top journals. Researchers participated from 16 countries around the world. Several articles are in the pipeline at manuscript development stage — outputs from this research hackathon 30th of April- 10th of May, 2024.*
- [*Inductee*] *Professorial Inauguration of Prof. Ade-Ibijola, titled "Mind, Heart, Grenade". Event started with a Guard of Honour by innovators of the JBS Innovation Lab, followed by rendition of the novel song: "Are you a Kingsman?" by an international song writer, musical vocalist/singer, and artist: Louisa April from Gaborone, Botswana. The lecture was then delivered by Professor Ade-Ibijola, where he started with thought-provoking existential questions, and went on to build an argument on why we should think differently around higher education. On this basis, he concluded his lecture by sharing his work in Artificial Intelligence and Applications, and his social impact project in Africa, the multi-award winning GRIT Lab Africa social project. In summary, the lecture was an exhibition of prowess in AI and Applications, depth of thought in philosophy of existentialism and education, backed with real life results of youth empowerment, innovations (theory to practice), and commercialised products for the university, government entities, and society in general. 24th of April, 2024. URL: <https://www.youtube.com/watch?v=ErbKfpqS-3w>*
- [*International Visit*] *Official International Visit for collaboration to Carnegie Mellon University Africa (CMU Africa) to meet with Prof. George Okeyo and Prof. Esther Obonyo, Kigali, Rwanda. 22nd of April, 2024.*
- [*International Visit*] *Official International Visit for collaboration to University of Kigali to meet with the Deputy Vice Chancellor (Academic) Professor Ogechi Adeola and the Dean of Education Prof. Oniye Abdulrazaq among others, Kigali Rwanda. 22nd of April, 2024.*
- [*Editorial Writer*] *Keynote (Editorial Writer) International Conference: International Conference on Management & Indigenous Entrepreneurship (ICMIE), University of Nigeria-Enugu Campus. 3rd-4th of April, 2024.*

- [Graduation] *The First Cohort of the Digital Transformation & Artificial Intelligence Tools for Small and Medium Enterprises programme graduated after a 6-month course. Awards were also distributed to the top achievers of the programme at the co-creation hackathon. 31st of March, 2024.*
- [Official Visit] *Official visit of the Director General of Higher Education and Training, Dr Nkosinathi Sishi to the JBS Innovation Lab. During his visit, he shared some motivational words with JBS GRIT Lab students and was so impressed by the immersive experiences on display. 31st of March, 2024.*
- [Innovation Hackathon] *Students from the Digital Transformation & Artificial Intelligence Tools for SMMEs programme participated in an innovation hackathon at the JBS Innovation Lab, during which they sharpened their skills with AI tools, assisted by the JBS GRIT Lab innovators. 15th-16th of March, 2024.*
- [Official Visit] *Official International Visit from the Vice Chancellor of Ghana Communication Technology University (GCTU), Professor Emmanuel Ohene Afoakwa and Pro-Vice Chancellor Prof. Robert Ebo Hinsn (DPhil, PhD), JBS Innovation Lab. 28th of February, 2024.*
- [Panelist] *GEC + Africa Cape Town. The event featured a lineup of industry-leading speakers, top government officials, and small businesses from all over Africa. I discussed the Ethics of Artificial Intelligence on a panel with Dean Erasmus (Director at Natives, Unicorns and Startups in Africa, Microsoft), Mustaoha Zaouini (Chairman of AI Africa), Larry Yon (Co-Founder of Cyber Alliance, USA), and Fani Maoela from African Bank. March 13th to March 14th, 2023*
- [Keynote Speaker] *Thomas Adewumi University Conference: Exploring Computing. Conducted a pre-conference workshop at the IndabaX Nigeria conference at TAU Virtual Lab aimed to foster opportunities for grantsmanship and knowledge sharing among students. June 8th, 2023.*
- [Panelist] *University of Johannesburg (UJ) Alumni Office - The Future of Youth in South Africa. Panelist in the conversation series on the future of youth in South Africa at the University of Johannesburg. June 22, 2023.*
- [Presenter] *Serious Games for Education Symposium. Presenting discussion on training students to create serious games and other students to learn from them at the University of Johannesburg on May 16, 2023.*

- [Panelist] *Google and Johannesburg Business School: Artificial Intelligence for Policymakers*. Panelist discussing AI in Africa, exploring potentials, threats, policies, and collaborations, alongside Dean Professor Randell Carolissen, Dr. Jason Hickey (Head of Google Research), Mr. Mmboneni Muofhe (Deputy Director-General, Department of Science and Innovation, South Africa), Dr. Alistair (Country Director, Google, South Africa), Mr. Charles Murito (Director of Government Affairs and Public Policy, Google, Sub-Saharan Africa), and Professor Mandla Radebe (Director of the Centre for Data and Digital Communications). At the Johannesburg Business School on September 11, 2023
- [Keynote Speaker] *South Africa - Nigeria Business Chamber 2023: Africa's Digital Transformation*. Discussed the digital transformation of Africa and the use of Artificial Intelligence to improve our continent. Keynote speaker at the Johannesburg Business School. August 31st, 2023.
- [ICISSET Co-host] *International Conference on Information Systems and Emerging Technologies*. Co-hosted a conference serving as an international forum for researchers and practitioners to present and discuss recent innovations, trends, results, experiences, and concerns in various aspects of Information Systems. Held in Windhoek, Namibia, from 17th October to October 19th, 2023.
- [Guest Speaker] *Good Governance Academy. The Impact of Robotic Applications on Good Governance*. Focusing on the impact and the changing role of robotics for the good governance of businesses in the digital era. April 5th, 2023. Available at: <https://www.youtube.com/watch?v=bhggwgr1dRE>
- [Panelist] *Scientific Cooperation and Development: New Frontiers for Relations between Italy and South Africa*. Panel Speaker at the University of Johannesburg. 29th March 2023.
- [Keynote Speaker] *Solve Africa: An Invitation to Solve Africa's Problems using Technology*. Keynote Speaker at IndabaX Nigeria, Oko, Kwara State, Nigeria, 9th to 11th June 2023.
- [Guest Speaker] *Opportunities for Growth in Research, Innovation, Commercialisation, and Social Impact*. Guest Speaker at Nasarawa State University, Keffi Nigeria, 12th April 2023. Available Online: <https://www.youtube.com/watch?v=RcFDFQAXiS8>.

- [Guest Speaker] *The Impact of Robotic Applications on Good Governance.* Guest Speaker at the Kyrgyz Turkish Manas University, 5th April 2023. Panellists include: Prof Sezer Bozkus Kahyaoglu and Erkan Yenicare (Norm Digital, Turkey).
- [Guest Speaker] *The Impact of AI on the Future of Education.* Guest Speaker at the CTU Training Solution, 23rd March 2023. Panellists include: international academic and industry experts.
- [Guest Speaker] *The Importance of driving Skills Development in the 4IR to increase Employability.* Guest Speaker at the SYSPRO Graduation Ceremony, 1st December 2022.
- [Guest Speaker] *Teaching and Learning Innovations at a South African University.* Guest Speaker at the Mario Einaudi Center for International Studies, Cornell University, Ithaca, New York 14853, USA on 29th October 2022.
- [Guest Speaker] *AI and Applications at BOTHO IBC.* Guest Speaker at the International Business Conference (IBC), BOTHO University, Botswana on 25th November 2022.
- [Guest on Podcast] *African Innovations.* Guest on Dimension Data's podcast, hosted by Marisa Jansen van Vuuren. Published on 19th September 2022. URL: <https://www.linkedin.com/feed/update/urn:li:activity:6977549531601121280/>.
- [Keynote Speaker] *Innovation, Development, and Industrial Applications of Research Findings.* Gave a keynote address (on the invitation of the Vice Chancellor of Covenant University, Nigeria) to the Nigerian universities community (event attended by staff from CU, FUTA, EKSU, NSUK, etc.) on innovative research and commercialisation. 25 May 2022. Available online: <https://www.youtube.com/watch?v=mOeCZMF0rSc>.
- [Keynote Speaker] *Adaptable Military Strategies in Leadership: Experience from building the Kingsman Academic.* Gave a keynote to the Congress of Nigerian Students at the University of Johannesburg (CONSUJ) on leadership strategies that aid productivity. January 2022. Available online: <https://www.youtube.com/watch?v=MwpaYXJKg74&t=6034s>, starts at: 1:46:00.
- [Keynote Speaker] *Dev Game: Simulating Face-to-Face Classes in 3D Video Game.* Presented a keynote at a webinar in the College of Business and Economics about a video game we developed to teach programming during Covid-19. September 2021. Available online: https://www.youtube.com/watch?v=5ng7VnA_H60.

- [Keynote Speaker] *The Academic Hack: Hints for navigating the academic terrain*. Gave a keynote to the nGAP¹⁶ lecturers on hints for navigating the academic terrain in terms of research, teaching, and academic citizenship, organised by the Division for Academic Planning, Quality Promotions and Academic Staff Development at the University of Johannesburg. 29th September 2021. Available online: <https://www.youtube.com/watch?v=-0Pg9vqoNB8&t=1508s>.
- [Keynote Speaker] *Solve Africa: An invitation to solve Africa's problems with technology*. Gave a keynote speech at the Kenyan Government's Digitalent (cohort V) virtual graduation ceremony on the 23rd of September 2021.
- [Invited Speaker] *GRIT plus Direction*. Gave an invited speech to Grade 8 to 12 students on career in computing at the Rotary Club's Career Fest event on 20th August 2021.
- [Keynote Speaker] *Connect@1 Session: Teaching Innovations and Portfolio of previous winners of the Vice-Chancellor's Distinguished Teaching Awards*. Gave a keynote on my Teaching Innovations to the entire UJ community, organised by the Division for Academic Planning, Quality Promotions and Academic Staff Development at the University of Johannesburg. 5th August 2021. Available online: <https://www.youtube.com/watch?v=mfbswsByMc>.
- [Invited Speaker] *Researching AI and Content Moderation: Trends, Tools and Methods*. 27th April 2021. An invited talk at the prestigious University of Oxford, Wellington Square, Oxford, Oxfordshire, United Kingdom. URL: <https://www.fu-berlin.de/en/international/news-events/dates/2021-series-ai-hatespeech-2-en.html> (Berlin, Germany).
- [Chair] *Tech Adjacent: The Exponential Guide to Leveraging Technology for Business Success*. Chaired the panel that discussed the Book: Tech Adjacent. Panel included: Prof. Charis Harley, Prof. Hossana Twino-murinzi, Kagiso Matlou, and Mushambi Mutuma. Available online: <https://www.facebook.com/UJLibrary/videos/234410881705307>, 9th March 2021.

¹⁶New Generation of Academics Programme

- [Invited Speaker] *4IR and your Research: Which aspects of 4IR is for you?*. Gave a talk at the UJ Postgraduate Open Days 2021 on how PG students and their supervisors can use 4IR technologies in their research, on 12th March 2021. Available online: <https://www.facebook.com/305587189543048/videos/464899281415120>, my contribution starting at: 1:13:45.
- [Respondent] *Truth or Conspiracy? Navigating the Internet during a Pandemic*. Gave a panel response (focused on AI algorithms for detecting fake news) and engaged in the panel discussion on Fake News during a pandemic. 19th February 2021. Panel featured the Deputy Vice Chancellor of Research at UJ (Prof. Saurabh Sinha). Recording is available at: <https://lnkd.in/dmKJSA6>, and my contribution starts at: 55:15.
- [PG Masterclass] *Enabling Research with 4IR: A brief look at possibilities*. Facilitated a workshop on how to use 4IR technologies as enablers for research. 100+ Master's, PhD, and Postdoctoral fellows across all faculties of the University of Johannesburg participated in this training. Feedback of participants showed 100% satisfaction with content and delivery. February 2021. Online: <https://youtu.be/bY7rmFH7U2E>.
- [NEMISA Masterclass] *A 2-Hour Crash Course in Data Science Using Python*. Facilitated a Masterclass at the NEMISA Data Science Hackathon, 26 February 2021.
- [EDHE Panellist] *How to Make Money from Tech*. Gave a talk and engaged in a panel discussion on the state of student Technology Entrepreneurship in universities at the EDHE National Entrepreneurship Week 2020 on 2nd November 2020. Panel featured Jacques du Preez (the CEO at Intrinsix, South Africa). Recording is available at: https://www.youtube.com/watch?v=e_1UUPYOZJw, start at: 4:10:50.
- [Host of AI in Africa] *Host and Moderator of Building Africa's AI Initiative on 8th October, 2020*. This panel discussed the strategies for building Africa's AI initiative with the continent's leading minds in AI as panellists. The panel featured: AI Media Group CEO (Dr Nick Bradshaw), Cortex Logic CEO (Jacques Ludik), University of the Witwatersrand researchers (Prof. Barry Dwolatzky, Dr. Roy Peter Forbes, and Dr. Dean Barrett) and University of Johannesburg's Prof Abejide Ade-Ibijola as the Chair/Host. Recording is available at: <https://www.facebook.com/UJLibrary/videos/1217823695271167>.

- [Carmen Murray Show] *Marketers, are you ready to waltz with AI?* A podcast on the Carmen Murray Show. Recorded in October 2019 and Published in May 2020. URL: [Link Here](#).
- [SciForumSA] *Opportunities, challenges, and inequality in the 4IR*. I was part of the panel that discussed the above topic at the Science Forum South Africa, hosted by the Council for Scientific and Industrial Research (CSIR) on 4th December 2019 at the CSIR ICC. Panel had colleagues from the University of Johannesburg, and audience from academia, industry and the general public.
- [NLSA] *4IR and the Future Library*. Gave an Invited Talk at the SA Libraries ICT Workshop, organised by the National Library of South Africa (NLSA) in collaboration with the South African Department of Arts and Culture, on 29th November 2019.
- [Library Yoga!] *Pre-Exam Restorative Yoga: "Let me see you do the YOGA!"*. Co-Facilitator of a Yoga Event at the UJ Library on 7th of November 2019. This was a collaboration with Yoga Plus Johannesburg and Eden VR (Led by Eliza Roza and Malcolm Ché).
- [Keynote Speaker] *The Future Library: A Blueprint*. Gave a Keynote Address at the International Conference on the Fourth Industrial Revolution and Library Practices, hosted by the University of Johannesburg on 23rd October, 2019. Online: <https://m.youtube.com/watch?v=JWoc-X9nM1Y>.
- [Radio Interview] *The Mediated Conversation on Whether Books Should be Shelved*. Interviewed on SABC's SAfm Radio Live on September 19, 2019 to share views of what the future libraries will be like. Online: <https://www.iono.fm/e/747386>.
- [Panelist] *Should Books be Shelved?* Offered expert opinion at the Cloudebate on the role of libraries in the Internet Age on September 18, 2019. Online: <https://www.youtube.com/watch?v=37E6SpXg2ao>.
- [Keynote Speaker] *New Age of Business: 4IR and Entrepreneurship*. Keynote Speaker at the UJ Student Business Council's Seminar on the 13th September, 2019.
- [VR & AR] *Experiencing 4IR through Virtual and Augmented Reality*. Speaker and Facilitator of a Public Exhibition on Virtual and Augmented Reality at the UJ Library on 11th September 2019. This was a collaboration with WeAreVR.Jozi Community (Led by Dean Deacon).

- [*Robot Exhibition*] *PEPPER: the Robotic Humanoid, visits University of Johannesburg*. Speaker and Exhibitor of a humanoid, in collaboration with my industry partners, Musa Kalenga and Kola Olajide. This event took place at the UJ APB Library on 12th August 2019.
- [*Public Lecture*] *SELL-BOT: An intelligent tool for advertisement synthesis on social media — the future of free social media advertising for small businesses*. Speaker (with my Master's student, Sonny Kabaso), UJ Library, APK Campus on 6th August 2019.
- [*PDRF Panel 2019*] *Post-Doctoral Research Fellows' Engagement: Research focus areas/projects aligned to 4IR in Faculties/College*. Speaker and Panel Member, in a two-hour panel discussion at Nadine Gordimer Auditorium, UJ APK on 28th March 2019.
- [*Ent. Panel 2019*] *Entrepreneurial Mindset for Student Success*. Speaker and Panel Member, in a two-hour panel discussion at the UJ Library event on 8th March 2019.
- [*ACM FAT 2019*¹⁷] *Participated in the Doctoral Consortium*, where we presented ongoing PhD research work at the ACM Conference on Fairness, Accountability, and Transparency (ACM FAT*) Conference in Atlanta, Georgia, USA; from 29 – 31 January, 2019.
- [*4IR-UJ 2018*] *4IR: Current Projects, and Future Disruptions for the Library*. A 45 minutes Public Lecture presented at the UJ Library event on the Fourth Industrial Revolution and Library Practices in South Africa, on 19th October 2018.
- [*L^AT_EX Workshop*] *LaTeX Workshop for Academics*. Facilitated a whole day LaTeX Workshop for academics (a total of 16 delegates) at the ICICIS Conference on 15th August 2017. I designed this workshop to equip Word users on how to get started on converting their research papers from Word to LaTeX.
- [*UNISA 2013*] *A New Approach to Novice Program Comprehension and Tutoring*. Colloquium presented (Invited Talk) at the School of Computing, University of South Africa, Florida Campus, South Africa, 30th October 2013.
- [*EKSU 2013*] *Practicality of Computer Programming: Employment through skills*. Colloquium presented at the Computer Science Final Year Orientation, Department of Mathematical Sciences, Ekiti State University, Ado-Ekiti Nigeria, 15th January 2013.

¹⁷My PhD student, George Obaido, gave this talk.

[FDHL 2013] *The Power of Computer Programming*. A talk given as part of the Empowerment Series 2012 at Financial Datanet House Limited (FDHL), Lagos Nigeria, 18th January 2012.

8.6.2 Competitive Presentations

[FAMELAB 2014a] *Intelligent Tutoring Systems*. A talk given at the British International Fame Lab Semi-finals 2014, Grahamstown, Eastern Cape, 13th March, 2014.

[FAMELAB 2014b] *Educational Games: Introducing CivilContra, a game of mathematics*. A talk given at the British International Fame Lab (Second Heat) 2014, Sci Bono Discovery Centre, Johannesburg, 8th February 2014.

[FAMELAB 2014c] *Automatic Generation of Mathematical Problems*. A talk given at the British Council's International Fame Lab Competition (First Heat) 2014, Sci Bono Discovery Centre, Johannesburg, 8th February 2014.

[F-WALLS 2013] *Breaking the Walls of Teaching Programming with Programs*. A talk given at the German-Initiative's Falling Walls Lab Johannesburg 2013, World Trade Centre, Sandton, South Africa, 13th September 2013.

8.6.3 Academic Conferences

[ICISSET 2022] Three articles on AI and Applications, Serious Gaming, and Technologies for Digital Transformation was presented by three of my doctoral candidates at ICISSET 2022, 23rd to 25th November, 2022, Windhoek, Namibia.

[BAI 2019] Presented a poster at the Black in Artificial Intelligence (BAI) Workshop, co-located with the Neural Information Processing Systems Conference (NeurIPS) 2019, Vancouver, Canada.

[ISCFI 2019] Presented four research papers¹⁸ at ISCFI 2019, Johannesburg, South Africa.

[IMITEC 2019] Presented six research papers¹⁹ at IMITEC 2019, Vanderbijlpark, South Africa.

¹⁸co-authored mostly with my Postgraduate students.

¹⁹co-authored mostly with my Postgraduate students.

- [SACLA 2019²⁰] Presented two papers (One Full Paper and one Extended Abstract) at the SACLA Conference, July 15 to 17, Northern Drakensberg, South Africa.
- [ICTAS 2019²¹] Presented one paper at the IEEE Conference on ICT and Society, March 6 to 9, Durban, South Africa.
- [ISCFI 2018] Presented two papers at the 5th International Conference on Soft-Computing and Machine Intelligence, November 21 to 22, Univ. Of Nairobi, Nairobi, Kenya.
- [SACLA 2018] Presented three papers at the Annual Conference of SACLA, June 18 to 20, Gordon's Bay, Cape Town, South Africa.
- [ICICIS 2018²²] Presented one research paper at the ICICIS 2018 conference, November 1 to 2, University of Botswana, Botswana.
- [IST 2018] Presented a full paper at the Annual Conference of IST Africa, May 2018, Gaborone, Botswana.
- [PRASA 2017] Presented a full paper at the Annual Conference of PRASA, Robotics and Mechatronics, November 30 to December 1, Bleomfontein, South Africa.
- [SAICSIT 2017] Presented a full paper at the Annual Conference of SAICSIT, September 26th to 28th, Black Mountain Hotel, Thaba Nchu, Free State, South Africa.
- [ICICIS 2017] Presented an Invited Talk on the Natural Language Processing of Financial Instant Messages using Formal Methods at the ICICIS 2017 conference, 15th August, Maslow Hotel, Sandton, Johannesburg, South Africa.
- [SACLA 2017] Two full papers presented at the Annual Conference of SACLA, July 3rd to 5th, Valley Lodge, Magaliesburg, South Africa.
- [SAICSIT 2016a] Full paper presentation at the Annual Conference of SAICSIT, September, STH-UJ, Johannesburg.
- [SAICSIT 2016b²³] Poster presentation: SAICSIT Annual Conference, September, STH-UJ, Johannesburg.
- [SACLA 2016²⁴] Full paper presentation: Annual Conference of SACLA, July, Pretoria.

²⁰My Master's student (Sonny Kabaso) and My Honour's student (Mohammed Ismail), gave these talks.

²¹My PhD student, George Obaido, gave this talk.

²²My PhD student, Simon Abbott, gave this talk.

²³My Honours student, Ariel Rosenfeld, gave this talk.

²⁴My MSc student, Mark Durrheim, gave this talk.

- [*CIAA 2015*] Software demonstration: Annual International Conference on the Implementation and Application of Automata, August 21, Umea, Sweden.
- [*PRASA 2014*] Poster presentation: Annual Conference of PRASA, November 27, Cape Town.
- [*SAICSIT 2014*] Full paper presentation: Annual Conference of SAICSIT, September/October, Centurion.
- [*ICSG 2014*] Full paper presentation: First International Conference on Serious Games, August, Vanderbijlpark, South Africa.
- [*SAICSIT 2013*] Short paper presentation (M&D): Annual Conference of SAICSIT, October, East London, South Africa.
- [*NEC 2008*] Full paper presentation: First National Engineering Conference (NEC), November, Idah, Nigeria.

9. Publications

9.1 Peer-reviewed Articles in Scientific Journals and Chapters in Refereed Books, or Collections

- [1] **Abejide Ade-Ibijola**, Aneetha Sukhari, and Solomon Oyelere (2025). *Teaching Accounting Principles using Augmented Reality and Artificial Intelligence-generated IsiZulu Language Translations*. In International Journal of Educational Research Open, Elsevier (Scopus), Vol. 8, pp. 100447. URL: <https://www.sciencedirect.com/science/article/pii/S2666374025000135> [United Kingdom].
- [2] Aneetha Sukhari, **Abejide Ade-Ibijola**, and Daniel Coetsee (2025). *The Value Relevance of Business Model Disclosure Quality in Integrated Reports*. Accepted and to appear in Journal of Business Models (Scopus) [Denmark].
- [3] Rose Adetunji and **Abejide Ade-Ibijola** (2024). *Unlocking Learning: Investigating the Replayability of Educational Games*. In International Journal of Computer Games Technology, (Scopus), pp. 5876780, 14 pages, Wiley Publishing, doi: <https://doi.org/10.1155/2024/5876780> [USA].
- [4] Aneetha Sukhari, **Abejide Ade-Ibijola**, and Daniël Coetsee (2024). *Measuring Business Model Disclosure Quality in Integrated Reports Using NLP Techniques*. In Artificial Intelligence and Knowledge Processing (Scopus), Springer Nature, Vol. CCIS 2127, No. 1, pp. 324-343. URL: https://link.springer.com/chapter/10.1007/978-3-031-68617-7_24 [Switzerland].
- [5] Nicholas Angelo Visentin, Siyabonga Mhlongo, and **Abejide Ade-Ibijola** (2024). *Crowd-Sourced Supervisors for the Automatic Invigilation of Online Assessments*. In Artificial Intelligence and Knowledge Processing (Scopus), Springer Nature, Vol. CCIS 2127, No. 1, pp. 359-377. URL: https://link.springer.com/chapter/10.1007/978-3-031-68617-7_26 [Switzerland].
- [6] Malia Sekokotoana, Siyabonga Mhlongo, and **Abejide Ade-Ibijola** (2024). *Automatic Supervision of Online Assessments Using System Process Information and Random Photography*. In Communications in Computer and Information Science (CCIS), (Scopus), Springer Nature, Vol. 2159,

- No. 1, pp. 207-226. URL: https://link.springer.com/chapter/10.1007/978-3-031-64881-6_12 [Switzerland].
- [7] Chioma Okoro, **Abejide Ade-Ibijola**, and Jonathan Damilola Oladeji (2024). *University Students' Perceptions of Game-based Learning for Property Inspection*. Accepted and to appear in the International Journal of Innovation and Learning (Scopus).
- [8] Opeoluwa Iwashokun and **Abejide Ade-Ibijola** (2024). *Parsing of Research Documents into XML using Formal Grammars*. In Journal of Applied Computational Intelligence and Soft Computing (Scopus), Wiley Publishing, Vol. 2024, No. 6671359, pp. 1-17. URL: <https://doi.org/10.1155/2024/6671359> [USA].
- [9] Jordy Bolton and **Abejide Ade-Ibijola** (2024). *Jozi-Gamble: A Serious Game for Measuring Loss Aversion*. Accepted and to appear in IAENG Journal of Computer Science (Scopus).
- [10] Chioma Okoro, **Abejide Ade-Ibijola**, and Oluwatobi Owojori (2024). *Educational Games for Property and Construction: Insights from Bibliometric and Content Analyses*. Accepted and to appear in International Journal of Innovation and Learning (Scopus).
- [11] Stephen Obare, **Abejide Ade-Ibijola**, George Okeyo, and Kennedy Ogada (2023). *Estimating Crime Rates Using Jumping Finite Automata on Tweets*. International Journal of Computer Science (Scopus), International Association of Engineers (IAENG), Vol. 50, No. 4, pp. 1130–1141, e-ISSN: 1819-9224, URL: https://www.iaeng.org/IJCS/issues_v50/issue_4/IJCS_50_4_01.pdf [Hong Kong].
- [12] Babajide Adewumi and **Abejide Ade-Ibijola** (2023). *Syntactic Generation of Research Thesis Sketches Across Disciplines Using Formal Grammars*. In Journal of Information Systems and Informatics (Scopus), DRPM-UBD Publishers, Vol. 5, No. 2, pp. 696–718, e-ISSN: 2656-4882, URL: <https://doi.org/10.51519/journalisi.v5i2.470> [Indonesia].
- [13] Aneetha Sukhari, Daniël Coetsee, and **Abejide Ade-Ibijola** (2023). *The value relevance of digitalization disclosure in integrated reports: A South African perspective*. In International Journal of Digital Accounting Research (Scopus), Universidad de Huelva, Vol. 23, No. 1, pp. 69–96, ISSN: 2340-5058, URL: <https://dialnet.unirioja.es/servlet/articulo?codigo=9084581> [Spain].
- [14] Peter Olujimi and **Abejide Ade-Ibijola** (2023). *NLP Techniques for Automating Responses to Customer Queries: A Systematic Review*. In Discover Artificial Intelligence Journal (Scopus), Springer and Nature, Vol. 3. Issue 20, pp. 1–19 ISSN: 2731-0809, URL: <https://doi.org/10.1007/s44163-023-00065-5> [Switzerland].

- [15] Chinedu Okonkwo and **Abejide Ade-Ibijola** (2023). *Synthesis of Nested Loop Exercises for Practice in Introductory Programming*. In Egyptian Informatics Journal (Scopus), Computers and Artificial Intelligence, Cairo University, Elsevier BV. Vol. 24, Issue 2, pp. 191–203, ISSN: 1110-8665, URL: <https://www.sciencedirect.com/science/article/pii/S1110866523000166> [Egypt].
- [16] **Abejide Ade-Ibijola** and Chinedu Okonkwo (2023). *Artificial Intelligence in Africa: Emerging Challenges*. In Book: Responsible AI in Africa. Social and Cultural Studies of Robots and AI. Palgrave Macmillan, Cham (Springer), pp. 101–117, ISBN: 978-3-031-08217-7, URL: https://link.springer.com/chapter/10.1007/978-3-031-08215-3_5 [Switzerland].
- [17] Peter Olujimi and **Abejide Ade-Ibijola** (2022). *Synthesis of Comments to Social Media Posts for Business Applications*. In International Journal of Advanced Computer Science and Applications (Scopus), Vol. 13, Number 12, pp. 839–848, The Science and Information (SAI) Organization, ISSN: 2156-5570, URL: <https://dx.doi.org/10.14569/IJACSA.2022.0131298> [England].
- [18] Chinedu Okonkwo and **Abejide Ade-Ibijola** (2022). *Revision-Bot: A Chatbot for Studying Past Questions in Introductory Programming*. In IAENG International Journal of Computer Science (Scopus), Vol. 49, Number 3, pp. 644–652, International Association of Engineers, URL: http://www.iaeng.org/IJCS/issues_v49/issue_3/IJCS_49_3_04.pdf [Hong Kong].
- [19] Opeoluwa Iwashokun and **Abejide Ade-Ibijola** (2022). *Structural Vetting of Academic Proposals*. In International Journal of Advanced Computer Science and Applications (Scopus), Vol. 13, Number 7, pp. 772–782, The Science and Information (SAI) Organization, ISSN: 2156-5570, URL: https://thesai.org/Downloads/Volume13No7/Paper_90-Structural_Vetting_of_Academic_Proposals.pdf, doi: <https://dx.doi.org/10.14569/issn.2156-5570> [England].
- [20] **Abejide Ade-Ibijola**, Keagan Young, Nashik Sivparsad, Mpho Seforo, Suhail Ally, Adebola Olowolafe, and Maria Frahm-Arp (2022). *Teaching Students About Plagiarism Using a Serious Game (Plagi-Warfare): Design and Evaluation Study*. In JMIR Serious Games Journal (DHET/Scopus), Vol. 10, Number 1, pp. e33459 (2022), JMIR Publications, Toronto, ON, M5A 0P6, ISSN: 2291-9279. URL: <https://games.jmir.org/2022/1/e33459>, doi: www.doi.org/10.2196/33459 [Canada].
- [21] Chinedu Okonkwo and **Abejide Ade-Ibijola** (2021). *Chatbots Applications in Education: A Systematic Review*. In Computers and Education: Artificial Intelligence, Science Direct, Elsevier BV Publisher. Pages 100033. URL: <https://www.sciencedirect.com/science/article/pii/S2666920x21000278> [USA].
- [22] Farai Nyabadza, Alex Broadbent, Charis Harley, **Abejide Ade-Ibijola**, and Ebrahim Momoniat (2021). *Models and Muddles in the COVID-19 Pandemic*.

- In: South African Journal of Science, Vol. 117, pp 1–4 (2021). Publisher: Academy of Science of South Africa, Johannesburg. URL: <https://sajs.co.za/article/view/9506/17414> [South Africa].
- [23] Darren Semusemu and **Abejide Ade-Ibijola** (2021). *Synthesis of CVs Using a Context-free Grammar*. In the Journal of Advances in Science, Technology and Engineering Systems's Special Issue on Multidisciplinary Innovation in Engineering Science & Technology (ASTESJ, Scopus), Vol. 6, Number 2, pp 1074–1083 (2021), ASTES Publishers, ISSN: 2415-6698. URL: <https://astesj.com/v06/i02/p122/> [USA].
- [24] Chinedu Okonkwo and **Abejide Ade-Ibijola** (2021). *Python-Bot: A Chatbot for Teaching Python Programming*. In Engineering Letters (Scopus), Vol. 29, Number 1 (2021), pp 25–34, International Association of Engineers (IAENG). URL: http://www.engineeringletters.com/issues_v29/issue_1/EL_29_1_03.pdf [Hong Kong].
- [25] Sibusiso Kubeka and **Abejide Ade-Ibijola** (2021). *Automatic Comprehension and Summarisation of Legal Contracts*. In the Journal of Advances in Science, Technology and Engineering Systems's Special Issue on Multidisciplinary Innovation in Engineering Science & Technology (ASTESJ, Scopus), Vol. 6, Number 2, pp 19–28 (2021), ASTES Publishers, ISSN: 2415-6698. URL: <https://astesj.com/v06/i02/p03/> [USA].
- [26] **Abejide Ade-Ibijola** (2020). *Synthesis of Regular Expression Problems and Solutions*. In International Journal of Computers and Applications (Scopus), Vol. 42 (2020), Issue 8, pp 748–764, Taylor's and Francis. Published Online: 28 Jun 2018. URL: www.tandfonline.com/doi/full/10.1080/1206212X.2018.1482398 [United Kingdom].
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10. Technical Expertise

AI Development — Models and Tools

Windows Application Development

Web Application Development & Reporting

Mobile Phones, PDAs/Smart Devices Application Development

Video Game Development (Windows and Handheld Consoles)

Data Science & Machine Learning

Control Systems Design and Simulation

Robotics

Database Design, Administration, and Scripting

Rapid Business Database Application Development

Flash Game Development (Web Console)

3D Modelling and Interactive Learning Software Simulation

Automatic Documentation

Learning Video Production & Web Integration

Social Web Applications Plug-in

Mathematical Programming, Scientific Computing and Simulation Skills

Excel Programming, Data Processing and Financial Models Development

Operating Systems Windows, Linux, MacOS.

Office Applications/ Desktop Publishing and Graphics Design

System Modelling and Other Skills

11. Extra-Curricula

11.1 Hobbies

- Game programming, computer simulations, designing future AI.
- PC gaming (FIFA — EA Sports, Chess Master, Need For Speed, GTA, etc.).
- Connecting with my mentees across Africa.

11.2 Sport/Games

- Playing Soccer, Boxing,
- Martial Arts (Taekwondo) — the *beautiful science of kicking and punching*, and Watching Boxing/UFC.

12. Contact Details

12.1 Online Research Profiles, Contact Information, and Referees

12.1.1 Research Profiles

- Google Scholar¹
- DBLP Computer Science Bibliography²
- Personal Website³
- ORCID⁴
- LinkedIn⁵

12.1.2 Contact Information

- [UJ/JBS mail] abejideai@uj.ac.za, OR abejide@jbs.ac.za
- [Personal mail] abejide@abejide.org, OR adeibijola@yahoo.ca
- [GLA mail] abejide@gritlabafrika.org
- [Telephone] +27 (011) 559 1989
- [Office/Postal] Room 216, Academic Wing, 2nd Floor, JBS Park, 69 Kingsway Avenue, Auckland Park, Johannesburg.
- [Home page] <http://www.abejide.org>
- [UJ profile page] <https://jbs.ac.za/prof-abejide-ade-ibijola/>

¹<http://scholar.google.co.za/citations?user=yV98MIcAAAAJ&hl=en>

²<http://dblp.uni-trier.de/pers/hd/a/Ade=Ibijola:Abejide>

³<http://www.abejide.org>

⁴<http://orcid.org/0000-0001-9507-0455>

⁵<https://www.linkedin.com/in/abejide/>

12.1.3 Referees

1. Prof. Charis Harley⁶
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UJ
2. Prof. Gilbert Khadiagala⁷
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WITS
3. Prof. Ebrahim Momoniat⁸
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4. Prof. Maria Frahm-Arp⁹
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5. Prof. Michele van Eck¹⁰
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6. Prof. Daneel van Lill¹¹
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⁷Department of International Relations, University of the Witwatersrand

⁸Department of Mathematics and Applied Mathematics

⁹Executive Director: University of Johannesburg Library

¹⁰Head of Department of Private Law at the University of Johannesburg

¹¹Former Executive Dean of the College of Business and Economics, University of Johannesburg

13. Recommendations

“What sets Prof. Ade-Ibijola apart is his ability to translate his research into innovation, and his consistent efforts in training his students to be the best (to be an employer rather than only an employee!) This excellence has earned him many awards including the Vice-Chancellor’s award for innovation. Here at the University of Johannesburg, he is playing an important role in establishing the institution’s 4IR identity. ”

— **Prof. Saurabh Sinha, PhD**

Deputy Vice-Chancellor: Research and Internationalisation at University of Johannesburg
February 21, 2021, Saurabh was senior to Abejide but didn’t manage directly

“Prof Ade-Ibijola works at the cutting edge of innovation. Students who have worked with him have made outstanding contributions to 4IR research and development. The research published by Prof Ade-Ibijola is of the highest standard. This high quality research informs Prof Ade-Ibijola’s teaching. Students taught by Prof Ade-Ibijola are exposed to the most up to date ideas regarding innovation and 4IR. ”

— **Prof. Ebrahim Momoniat, PhD**

Professor at University of Johannesburg
February 20, 2021, Ebrahim was senior to Abejide but didn’t manage directly

“Passion, energy and full-on dedication. These are the best ways to describe Prof Jide. He is 100% committed to everything he does. When he commits, he delivers; actually over-delivers. One of the greatest strengths is bringing industry expertise into academic teaching and research. I highly recommend him.”

— **Prof. Hossana Twinomurinzi, PhD**

Professor at the University of Johannesburg
March 25, 2021, Abejide worked with Hossana in the same group, University of Johannesburg

"Abejide is an excellent conference organiser with exceptional skills to bring together people from different contextual settings/backgrounds to the point where everyone dovetails together as if they are from the same family. He also seamlessly works with anyone and makes everyone feel important in the context of conference organisation. Further, Dr Abejide is an exceptional up-coming researcher in applied computing who is not shy to pursue blue oceans in research and innovation domains."

— **Prof. Kelvin Bwalya, PhD**

Professor at the University of Johannesburg

August 18, 2017, Abejide worked with Kelvin Bwalya, University of Johannesburg

"I had the fortunate opportunity to work with Dr. Abejide Ade-Ibijola as a co-instructor in developing and teaching a graduate course on the topic of the use of mobile and electronic health (mHealth/eHealth) technologies for improving behavior change and medical care. Jide played an integral role in this process bringing his expertise in computer programming, big data analytics, web page and web survey design, serious game and app design, and data security. He developed professional, attractive powerpoint presentations and delivered engaging lectures during the in-class portion of the course. Furthermore, Jide designed hands-on activities and exercises for the students to work on individually, in pairs and in small groups. This resulted in a much deeper level of learning and kept the students' attention throughout a full day of instruction. I was particularly impressed by his command of the subject material and of the classroom environment as well as his ability to ascertain individual students' personalities and learning styles and adapt his instruction style to the needs within the class."

— **Prof. Kate Muessig, PhD**

Assistant Professor at The University of North Carolina at Chapel Hill, USA

September 12, 2016, Kate worked directly with Abejide at School of Public Health, WITS University SA, and North Carolina University at Chapel-Hill, USA

"Jide is an extremely bright and hard-working student. He is also interested in things outside the domain of his research project."

— **Prof. Ian Sanders, PhD**

Full Professor of Computer Science, School of Computing, University of South Africa, Florida

September 2, 2014, Ian advised Abejide at University of the Witwatersrand

"Abejide is a young scholar who is quickly establishing a reputable name in academia. He has a bright future ahead of him."

— **Prof. Gilbert Khadiagala, PhD**

Full Professor and Head of School, School of International Relations, University of the Witwatersrand
September 10, 2014, Gilbert advised Abejide at University of the Witwatersrand

"Abejide is a very diverse thinker with the ability to apply his acumen to varying levels of business across many domains of business, albeit product or enterprise concepts. He can spot the gaps and opportunities that an algorithm or software can invariably solve, over the long term."

— **Dr. Simon Abbott, PhD**

Senior Manager/Analyst at Ernest and Young (Banking)
August 23, 2016, Simon was with another company when working with Abejide at University of the Witwatersrand

"What I find awesome about Jide is his strong interest in software development. He definitely belongs to that group of versatile computer scientists that can easily navigate between theory and practice. And it is just great."

— **Dr. José G Quenum, PhD**

Co-Founder and Lead Developer, InteraXions, South Africa
December 13, 2014, José G managed Abejide indirectly at University of the Witwatersrand

Oju-iwe Ti o Kehin

Curriculum Vitae

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