

MOHAMED OMAR ABDULLAHI



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Research Interest

- Strategic IS/IT Management
- Environmental and Agricultural Computing
- IoT-Driven Solutions
- Service-Centric Computing Innovations
- Business and Management Informatics
- Supply Chain and Community Networks

Languages

- Somali
- English
- Arabic

Professional Summary

Dynamic IT expert and academician with a Ph.D. in Information Technology, possessing extensive experience in strategic planning, IT management, curriculum development, and research. Proven leadership in managing multidisciplinary teams and fostering stakeholder collaborations while integrating advanced technologies into academic and operational frameworks. Expertise includes developing strategic plans, project management, policy implementation, systems integration, and quality assurance. A dedicated educator with a successful track record in designing and delivering IT, Management Information Systems, and Project Management courses at both undergraduate and postgraduate levels. Published author, certified peer reviewer, and contributor to IoT-driven solutions, environmental computing, and strategic IS/IT management. Focused on driving digital transformation, innovation, resource efficiency, and sustainable development, particularly in post-conflict environments.

Awards & Recognitions

- **Reviewer for Discover Applied Sciences**
Certificate issued on January 8, 2025
Recognized for contributing to the peer-review process by reviewing a manuscript in 2025, ensuring the quality and integrity of scholarly publications.
- **Reviewer for Discover Food**
Certificate issued on December 18, 2024
Recognized for contributing to the peer-review process by reviewing a manuscript in 2024, ensuring the quality and integrity of scholarly publications.
- **Certified Reviewer for the International Journal of Advanced and Applied Sciences (IJAAS)**
Certificate No. 21491/IJAAS/RI-1/12/2024, December 4, 2024
Recognized for outstanding contributions as a reviewer, ensuring high-quality scholarly publications.

Skill Highlights

- Leadership and Management
- Strategic Planning
- Communication and Coordination
- Problem-Solving
- Policy Implementation
- Technology Integration
- Community Engagement
- Budget and Resource Management
- Quality Assurance
- Curriculum Development

Professional Experiences

Director, oLearn SIMAD University

Feb 2025 – Present

- **Strategic Leadership:** Spearheaded the development and execution of SIMAD oLearn's hybrid learning model, aligning it with national educational priorities and global best practices.
- **Platform Development & Digital Integration:** Oversaw the design, customization, and deployment of the Learning Management System (LMS), enhancing access to quality education across Somalia.
- **Policy and Accreditation Compliance:** Led the formulation of governance, instructional, and quality assurance policies to meet accreditation and international online education standards.
- **Faculty & Capacity Building:** Initiated comprehensive training programs for faculty and support staff, promoting digital pedagogy and instructional design excellence.
- **Stakeholder Engagement & Partnerships:** Established strategic collaborations with AFRALTI, tech providers, and global universities to ensure content quality, certification, and sustainability.
- **Monitoring, Evaluation, and Innovation:** Implemented a phased M&E framework for performance tracking, feedback integration, and continuous improvement of the online learning ecosystem.
- **Budget & Resource Management:** Directed budget planning, resource allocation, and funding proposals to ensure financial sustainability of the initiative.

Dean, Faculty of Computing, SIMAD

Nov 2022 – Present

- **Leadership and Strategic Management:** Directed academic and administrative teams, implementing long-term visions for growth and success.
- **Curriculum Development:** Collaborated with faculty to enhance curriculum, integrating industry trends for a relevant learning experience.
- **Stakeholder Engagement:** Fostered partnerships with industry and academics to enrich student opportunities.
- **Budget and Resource Management:** Optimized resources allocation to support faculty development and academic initiatives.
- **Quality Assurance:** Managed accreditation processes, ensuring faculty compliance with academic standards.
- **Interdisciplinary Collaboration:** Facilitated cross-faculty projects, promoting innovation and a holistic educational approach.

Member & Secretary, Strategic Plan

(2021 – 2025 & 2026 – 2030)

Committee, SIMAD University

- **Strategic Contribution:** Played a key role in developing two consecutive 5-year strategic plans, aligning organizational objectives with national and institutional priorities.
- **Leadership in Documentation:** Organized and documented all committee meetings, including preparing agendas, recording minutes, and tracking action items to ensure accountability and progress.
- **Collaborative Engagement:** Coordinated with cross-functional teams and stakeholders to gather inputs, analyze data, and incorporate feedback into the strategic plan.
- **Research and Analysis:** Conducted in-depth research and environmental scanning to identify opportunities, challenges, and benchmarks for effective strategic decision-making.
- **Policy Development:** Assisted in drafting and finalizing policies and frameworks to operationalize the strategic goals.
- **Stakeholder Communication:** Prepared comprehensive reports and presentations for leadership and external partners, effectively communicating key findings and recommendations.
- **Implementation Oversight:** Supported monitoring and evaluation efforts to ensure the successful execution of strategic initiatives.
- **Efficiency and Organization:** Maintained systematic records and managed confidential

Professional Experiences

Head, Information Technology Department

Aug 2020 – Nov 2022

- **Strategic Leadership:** Directed the department, aligning IT initiatives with university goals through effective strategic planning and resource management.
- **Curriculum Enhancement:** Collaborated with faculty to develop and update IT curricula, ensuring students received up-to-date and industry-relevant education.
- **Project Management:** Successfully oversaw IT projects, ensuring timely completion and efficient utilization of resources.
- **Technological Integration:** Integrated advanced technologies into academic programs, enhancing the overall learning environment.
- **Collaborative Approach:** Fostered interdisciplinary collaboration and industry partnerships, enriching student experiences and opportunities.
- **Quality Assurance:** Ensured high-quality IT services and security measures, implementing best practices to safeguard university operations.
- **Staff Development:** Nurtured a culture of continuous learning among IT staff, contributing to their professional growth.
- **Innovative Problem-Solving:** Addressed technical challenges with effective solutions, maintaining a seamless IT environment.
- **Policy Implementation:** Developed and enforced IT policies, promoting responsible technology use and data security.
- **Student Support:** Provided technical support to students, enhancing their digital learning experience.
- **Effective Communication:** Successfully communicated IT strategies and updates to various stakeholders within the university community.

Chief Librarian, Dhobaale Library, SIMAD

March 2013 – June 2014

- **Collection Management:** Curated diverse and relevant library resources, enhancing the learning environment.
- **Information Technology Integration:** Implemented digital systems for efficient resource access and management.
- **User Support:** Provided exceptional service through reference assistance and information literacy programs.
- **Intellectual Property:** Ensured ethical resource use through compliance with copyright and licensing regulations.
- **Community Engagement:** Collaborated with institutions and promoted the library as a knowledge hub.
- **Team Leadership:** Led staff, fostering a motivated team committed to excellent service.

Secretary General, Deputy Principal Office

March 2010 – Oct 2010

- **Administrative Expertise:** Managed office operations and correspondence, ensuring efficient functioning.
- **Communication and Coordination:** Facilitated effective communication among stakeholders for streamlined operations.
- **Problem-Solving:** Addressed administrative challenges promptly, maintaining office productivity.
- **Discretion and Confidentiality:** Handled sensitive information discreetly, maintaining confidentiality.
- **Policy Implementation:** Executed institutional policies, ensuring adherence to governance standards.
- **Event Coordination:** Orchestrated successful events and seminars, demonstrating professionalism.

Professional Experiences

Deputy Director, Admission & Records

Aug 2020 – Nov 2022

- **Admissions Process Management:** Led the evaluation of applications and ensured compliance with admission criteria.
- **Student Records Management:** Maintained accurate and confidential student records, upholding information security.
- **Communication and Customer Service:** Provided guidance and support to students, parents, and stakeholders.
- **Data Analysis:** Analyzed admissions and enrollment data, contributing to strategic planning.
- **Technology Integration:** Implemented technology for efficient admissions and records management.
- **Enrollment Management:** Collaborated on strategies for recruitment and student retention.
- **Problem-Solving:** Addressed challenges with effective solutions, maintaining efficient processes.

Secretary General, Examination Center

Oct 2006 – Aug 2009

- **Examination Management:** Oversaw the entire exam process, ensuring proper administration and security.
- **Crisis Management:** Effectively handled unforeseen situations during exams, displaying quick decision-making.
- **Data Analysis:** Analyzed examination data, providing insights for strategic planning.
- **Technology Integration:** Leveraged technology for efficient exam processes.
- **Budget Management:** Managed exam-related budgets and resource allocation.
- **Team Leadership:** Led and supervised staff, promoting teamwork for efficient operations.

Education

- Doctor of Philosophy: **Information Technology**, 2016 – 2020 **Shinawatra University (SIU)**, <http://www.siu.ac.th/en/>, Pathum Thani, Thailand.
- Master of Science: **Information Technology**, 2010 – 2012 **University Utara Malaysia (UUM)**, <http://www.uum.edu.my/>, Kedah Darul Aman, Malaysia.
- Bachelor of Science: **Information Technology**, 2002 – 2006 **Somali Institute of Management and Administration Development (SIMAD)**, <https://simad.edu.so/>, Mogadishu, Somalia.
- Secondary School: **School Leaving Certificate**, 1999 – 2002 **Khadija Model Primary & Secondary School**, Mogadishu, Somalia.

Publications & Conferences

- Enhancing deep learning for pneumonia detection: developing web based solution for Dr. Sumait Hospital in Mogadishu Somalia, AY Nageye, AD Jimale, MO Abdullahi, YA Ahmed, MA Addow, *Discover Applied Sciences*, 2025, 7 (4), pp. 1-16
- Internet of Things in Telemedicine: A Systematic Review of Current Trends and Future Directions, Elmi, A.A., Abdullahi, M.O., Abdullahi, H.O., *Instrumentation Measure Metrologie*, 2024, 23(6), pp. 463–472
- Remote Work and Telecommuting: A Comprehensive Bibliometric Analysis of HRM Practices Post-Pandemic, Sahal, A.M., Abdullahi, M.O., Mohamud, I.H., Elmi, A.A., *SSRG International Journal of Electrical and Electronics Engineering*, 2024, 11(11), pp. 312–325
- Mapping the human capital development landscape: A bibliometric analysis, Sahal, A.M., Abdullahi, M.O., Mohamud, I.H., Mohamed, M.A., Hussein, A.M., *International Journal of Advanced and Applied Sciences*, 2024, 11(10), pp. 176–185
- Development and Implementation of an IoT-Based Smart Home Security System in Mogadishu, Somalia, Nageye, A.Y., Jimale, A.D., Abdullahi, M.O., Addow, M.A., *SSRG International Journal of Electrical and Electronics Engineering*, 2024, 11(9), pp. 326–332
- Analyzing Bibliometric Trends in the Social Internet of Things: A Review and Future Perspectives, *Ingénierie des Systèmes d'Information*, vol. 29, no. 4, pp. 1519-1527, 2024.

Publications & Conferences

- A Bibliometric Study of Machine Learning in Precision Agriculture, *SSRG International Journal of Electronics and Communication Engineering*, vol. 11, no. 6, pp. 158–170, 2024.
- Mapping the Research Landscape of Reverse Logistics in E-Commerce: A Bibliometric Analysis from 2003 to 2023, *Journal Europeen des Systemes Automatises*, vol. 57, no. 3, pp. 671–679, 2024.
- Emerging Trends in Data Science and Big Data Analytics: A Bibliometric Analysis, *SSRG International Journal of Electronics and Communication Engineering*, vol. 11, no. 5, pp. 84–98, 2024.
- Three Binary Versions of Tree-Seed Algorithm for Binary Optimization, *International Journal of Engineering Trends and Technology*, vol. 72, no 4, pp. 315–323, 2024.
- Optimizing Port Logistics: Empowering Mogadishu Port with RFID Technology in Somalia, *SSRG International Journal of Electronics and Communication Engineering*, vol. 11, no 4, pp. 115–120, 2024.
- IoT-based livestock tracking: Addressing challenges in Somali livestock farming, *International Journal of Advanced and Applied Sciences*, vol. 11, no. 3, pp. 84–91, 2024.
- Revolutionizing Product Return Management: Harnessing Supply Community Network for Enhanced Customer Experience, *SSRG International Journal of Engineering Trends and Technology*, vol. 72, no. 3, pp. 177-183, 2024.
- Revolutionizing Somali agriculture: harnessing machine learning and IoT for optimal crop recommendations, *Discover Applied Sciences*, vol. 6, no. 3, pp. 77, 2024.
- Elevating Grid Resilience: An Integrated Power Meter and Outage Reporting System, *SSRG International Journal of Electrical and Electronics Engineering*, 10(11), 142-147, 2023.
- Enhancing Energy Efficiency in Mogadishu: IoT-Based Buildings Energy Management System, *SSRG International Journal of Electrical and Electronics Engineering*, 10(10), 54-60, 2023.
- Towards Sustainable Farming in Somalia: Integrating IoT for Improved Resource Management, *SSRG International Journal of Electrical and Electronics Engineering*, vol. 10, no. 9, pp. 95-101, 2023.
- Mitigating the Impact of Floods: An IoT-Driven Monitoring and Alert System for Somalia's Rivers, *SSRG International Journal of Electrical and Electronics Engineering*, vol. 10, no. 6, pp. 120-125, 2023.
- Dryness of Somalia's Agriculture: Modernizing the Irrigation System, *International Journal of Engineering Trends and Technology*, vol. 71, no. 6, pp. 303-309, 2023.
- Internet of things based agricultural drought detection system: case study Southern Somalia, *Bulletin of Electrical Engineering and Informatics*, 12(1), 69-74, 2022.
- Strategic Management of IS-IT Resources: A Review. *Somali Business Review*, 13(1-4).
- Corporate Governance: Effectiveness of Information Systems/Information Technology Governance. *Somali Business Review*, 14(1-2).
- Information Systems Strategy and its Shared Role as a Driver of Organizational Innovations. *Somali Business Review*, 14(1-2).
- Towards a social internet of things enabled framework for supply community networks, *International Business Research*, 13(1), 2020.
- Supply Community Network: A Taxonomy of Flow Dimensions. *China Business Review*, 18(7), 2019.
- Towards A Framework for Future Driven Supply Chain Networks Using Social Internet of Things, *The 7th Business, Economics and Communications International Conference* (The 7th BECIC, 2018) (November 29-30, 2018), Faculty of Business, Economics, and Communications (BEC), Naresuan University (NU), Phitsanulok, Thailand.