

# Curriculum Vitae

## Dari Alhuwail<sup>PhD, FAMIA, FIAHSI</sup>

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### EDUCATION

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- Ph.D. Information Systems – *Health Informatics*, University of Maryland, Baltimore County, 2016.
- M.S. Management Information Systems, University of Arizona, 2007.
- B.S.B.A. Management Information Systems (*Honors*); Entrepreneurship (*Honors*); Operations Management, University of Arizona, 2006.

### FELLOWSHIPS & AFFILIATIONS

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- **Visiting Fellow**, Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, *hosted by: University of California, Riverside*, United States of America, 2024.
- **Member**, Middle East Elsevier Advisory Board, United Arab Emirates, 2023.
- **Fellow**, Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, Engineering, Medicine, Qatar, 2023.
- **Young Leader**, Science and Technology in Society (STS) Forum, Japan, 2022.
- **Member**, Middle East Elsevier Advisory Board, United Arab Emirates, 2022.
- **Fellow**, International Academy of Health Sciences Informatics, International Medical Informatics Association, Switzerland, 2021.
- **Fellow**, Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, Engineering, Medicine, Online, 2021.
- **Member**, Middle East Elsevier Advisory Board, United Arab Emirates, 2021.
- **Fellow**, American Medical Informatics Association, United States of America, 2020.
- **Visiting Fellow**, Kuwait Programme, Middle East Centre, London School of Economics and Political Science, London, 2019.
- **Member**, Middle East Elsevier Advisory Board, United Arab Emirates, 2019.
- **Fellow**, Arab-American Frontiers of Science, Engineering, and Medicine – The National Academies of Sciences, Engineering, Medicine, Kuwait, 2018.
- **Research Fellow**, Kuwait Programme, Middle East Centre, London School of Economics and Political Science, London, 2018.

## PROFESSIONAL EXPERIENCE

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### *Active*

- **Associate Professor**, Department of Information Science, College of Life Sciences, Kuwait University, 2020 – Present.
- **Advisor to the Minister**, State Ministry for Communications, Kuwait, 2024 – Present.
- **Past Co-Chair**, Student and Emerging Professionals Special Interest Group, International Medical Informatics Association, 2023 – Present.
- **Regional Vice President – Middle East and North Africa**, International Medical Informatics Association, 2020 – Present.
- **Vice President**, Middle East and North African Health Informatics Association, 2019 – Present.
- **Health Informatics Consultant and Co-Founder**, Health Informatics Unit, Dasman Diabetes Institute, 2017 – Present.
- **Data Security Officer**, Data Governance Council, Dasman Diabetes Institute, 2018 – Present.
- **Honorary Lecturer – Postgraduate Medical Education**, College of Medicine, University of Dundee, 2016 – Present.

### *Past*

- **Member**, Executive Committee for the Kuwait/Google Alliance Framework Agreement | (Workspace for Education and Digital Health Streams), Kuwait, 2023 – 2024.
- **Member**, Information Dashboard for Executives and Decision-makers, Ministry of Commerce and Industry, Kuwait, 2024.
- **Advisor to the Minister**, State Ministry for Communications and Information Technology, Kuwait, 2022 – 2024.
- **Acting Dean for Student Affairs**, Kuwait University, 2023.
- **Acting Vice President for Planning**, Kuwait University, 1–6 September 2022.
- **Acting Assistant Vice President for Institutional Development**, Kuwait University, 2021 – 2022.
- **Acting Department Chair**, Department of Information Science, College of Life Sciences, Kuwait University, 2020 – 2021.
- **Assistant Professor**, Department of Information Science, College of Life Sciences, Kuwait University, 2019 – 2020.
- **Member**, Smart Vaccination Card Working Group, World Health Organization, 2021 – 2022.
- **Member**, Digital Health Technical Advisory Group, World Health Organization, 2019 – 2022.
- **Vice-Chair**, Student and Emerging Professionals Special Interest Group, International Medical Informatics Association, 2019 – 2022.
- **Co-Chair**, Student and Emerging Professionals Special Interest Group, International Medical Informatics Association, 2022 – 2023.
- **Team Leader & Consultant**, Technology Team, Northern Economic Zone – "Hareer", 2019 – 2020.
- **Member**, Digital Health Committee, Ministry of Health, Kuwait, 2021 – 2022.
- **Advisor**, Health Reform Strategy Initiative, Kuwait Foundation for the Advancement of Sciences, Kuwait, 2019 – 2020.

- **Evaluator**, KAFO – An Amiri Diwayan Initiative, 2019 – 2021.
- **Member**, National Health Informatics Strategy Committee, Ministry of Health, Kuwait, 2019 – 2020.
- **Member**, Health Information Improvement Task-force, Ministry of Health, Kuwait, 2018 – 2019.
- **Consultant**, New Kuwait Strategic Plan Promotion Advisory Board, Supreme Council for Planning and Development – Kuwait, 2018 – 2019.
- **Assistant Professor**, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2016 – 2019.
- **Lab Manager**, Health IT Lab, University of Maryland, Baltimore County, 2013 – 2016.
- **Teaching Assistant**, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2012.
- **Partner**, Burger Flipper and Operations Manager, Hashtag Burgers – Kuwait, 2011 – 2013.
- **Systems Engineer**, Information Technology, Dasman Diabetes Institute, 2010 – 2012.
- **Software Developer**, Ministry of Health – Kuwait, 2009 – 2010.
- **Technical Support**, University of Arizona – Tucson, Arizona, USA, 2005 – 2007.

## AWARDS

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- **Jaber Al-Ahmad Prize for Young Researchers** – Natural Sciences and Mathematics – Kuwait Foundation for the Advancement of Sciences, 2023.
- **Research Reward for Unfunded Project** – Office of the Vice President for Research – Kuwait University, 2020.
- **Teaching Excellence Award** – Office of the Vice President for Academic Affairs – Kuwait University, 2019.
- **Outstanding Research Poster Award** – College of Computing Sciences and Engineering – Kuwait University, Annual Poster Day for Sciences Faculties, 2019.
- **Outstanding Achievement Award** – "Monjiz" – Ministry of State for Youth Affairs, 2017.
- **Outstanding Research Poster Award - College of Computing Sciences and Engineering** – Kuwait University, Annual Poster Day for Sciences Faculties, 2017.
- **Outstanding Research Podium Award - Nursing Informatics Research Award** – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- **Outstanding Research Poster Award - Nursing Informatics Research Award** – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- **Outstanding Research Poster Award - Nursing Informatics Research Award** – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2015.
- **Rescuer of the Year** – Middle River Volunteer Ambulance and Rescue, U.S. Congress, and U.S. Senate, 2015.
- **Rookie of the Year** – Riviera Beach Volunteer Fire Company, 2015.
- **Top Training Hours** – Riviera Beach Volunteer Fire Company, 2015.
- **Building Relationships Award** – Thukhur National Leadership Development Program, 2012.
- **Volunteer Appreciation Award** – Spread the Passion Volunteers, 2010.
- **Top U.S.A. Graduate Scholars Award** – Kuwait's Ministry of Higher Education, 2008.

- **Merit Graduate Scholarship Award** – Kuwait's Ministry of Higher Education, 2007.
- **Dean of Students Award Finalist** – University of Arizona, 2006.
- **Merit Undergraduate Scholarship Award** – Kuwait's Ministry of Higher Education, 2002.

## PROFESSIONAL DEVELOPMENT AND TRAINING

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- Communicating your Science with the Public, program offered by Nature Masterclass, Kuwait Foundation for the Advancement of Sciences, Kuwait, 2023.
- Harvard Medical School Postgraduate Medical Education, Safety, Quality, Informatics and Leadership Program, 1-year Certificate Program, Harvard University, 2020.
- Research Publication Workshop, University of California Berkeley, Kuwait, 2017.
- VIVA Telecom Small to Big Entrepreneurship Training Program, London, 2012.
- Thukhur National Leadership Development Program, Cornell University, New York, 2012.
- Division of Clinical Informatics (BIDMC), Harvard Medical Faculty Physicians, Boston, 2010.

## TEACHING EXCELLENCE

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### *Self-Development*

- The Art of Improvising Speech, Dr. Ahmad Bozubar, Online, 2021.
- Serving Leader Workshop, Dr. Ahmad Bozubar, Online, 2021.
- Design and Education: Designing for Sustainable Solutions, Nuqat on Tour, Nuqat, Kuwait, 2018.
- Good Practices in Utilizing Electronic/Digital Knowledge Resources in Teaching and Learning Processes, National Bureau for Academic Accreditation and Education Quality Assurance (NBAQ), 2018.
- Design Thinking for Educators, The SEEN Engaging, Embracing, Emerging - Visual Communication Conference, Gulf University for Science and Technology, Kuwait, 2018.
- Train-the-Trainer; Teaching Excellence Workshop, University of California Berkeley, San Francisco, 2018.
- Teaching Excellence Workshop, University of California Berkeley, Kuwait, 2017.

### *Service and Community Building*

- **Co-Facilitator**, Teaching Excellence Workshop: for New Faculty Members, Vice President for Academic Affairs, Kuwait University – 2023.
- **Member**, Teaching Excellence Committee, College of Life Sciences, Kuwait University – 2020/2021 – Present.
- **Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2018/2019 – 2020/2021.
- **Co-Facilitator**, Teaching Excellence in Online Teaching Workshop, Vice President for Academic Affairs, Kuwait University – 2021.
- **Co-Facilitator**, Teaching Excellence Workshop for Faculty in Arabic, Vice President for Academic Affairs, Kuwait University – 2018.
- **Co-Host**, First forum of the "Teaching Excellence Community of Practice" at Kuwait University, Kuwait University – 2018.

- **Co-Facilitator**, Teaching Excellence Workshop: Learning by Design, Vice President for Academic Affairs, Kuwait University – 2018.
- **Planner**, Active Learning and Teaching with Technology, Vice President for Academic Affairs, Kuwait University – 2018.
- **Host and Planner**, Lecture titled "Re-imagining the Teaching Space" By Prof. Paul Corcoran from University of South Australia, College of Computing Sciences and Engineering in collaboration with the Vice President for Academic Affairs, Kuwait University, 2018.

## SCIENTIFIC AND ACADEMIC SERVICE – EXTERNAL

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### *Scientific Journals*

- **Editorial Board Member**, Oxford Open Digital Health Journal, 2023 – present.
- **Associate Editor**, Frontiers in Digital Health Journal, 2022 – present.

### *Scientific Conferences*

- **Presenter and Committee Member**, Chief Science Officers Program, Kuwait Foundation for the Advancement of Sciences, 2023.
- **Member – Scientific Program Committee**, GCC eHealth Workforce Development Conference, 2023.
- **Member – Scientific Program Committee**, American Medical Informatics Association, Clinical Informatics Conference, 2023.
- **Member – Scientific Program Committee**, GCC eHealth Workforce Development Conference, 2022.
- **Member – Scientific Program Committee**, HIMSS22 Middle East Health Conference & Exhibition, 2022.
- **Member – Scientific Program Committee**, American Medical Informatics Association 2022 Annual Conference, 2022.
- **Member – Scientific Program Committee**, GCC eHealth Workforce Development Conference, 2021.
- **Member – Scientific Program Committee**, GCC eHealth Workforce Development Conference, 2020.
- **Member – Scientific Program Committee**, GCC eHealth Workforce Development Conference, 2019.

### *Awards Judging Committees*

- **Judge**, Science and Technology Panel, Kuwait Youth Creativity Award, Youth Public Authority, 2024.
- **Judge**, Technical Foresight and Digital Economy Award, The Secretariat General of Cooperation Council for the Arab States of the Gulf, 2024.
- **Judge**, Digital Government Award For the Countries of the Gulf Cooperation Council, The Secretariat General of Cooperation Council for the Arab States of the Gulf, 2023.
- **Judge**, Seeds for the Future - Tech4Good Program, Huawei, 2023.
- **Judge**, Chief Science Officers (Juniors) Program, Kuwait Foundation for the Advancement of Sciences, 2023.
- **Judge** ZIMAM Digital Health Award, GCC eHealth Workforce Development Workgroup, 2022.

*Other Service External to Kuwait University*

- **Board Member**, Kuwait School Sports & Higher Education Federation, 2023.
- **Committee Member**, Chief Science Officers Program, Kuwait Foundation for the Advancement of Sciences, 2023.
- **Presenter**, Chief Science Officers Program, Kuwait Foundation for the Advancement of Sciences, 2023.
- **Presenter**, Chief Science Officers Program, Kuwait Foundation for the Advancement of Sciences, 2022.
- **Interviewer**, STEM Internship Program, Kuwait Foundation for the Advancement of Sciences, 2022.
- **Interviewer**, STEM Educational Trip to South Korea, Kuwait Foundation for the Advancement of Sciences, 2022.

**SCIENTIFIC AND ACADEMIC SERVICE – INTERNAL TO KUWAIT UNIVERSITY**

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*Department-Level*Academic Year 2024/2025

- **Convener**, Job Opportunities & Job Market Committee, Information Science Department, College of Life Sciences, Kuwait University – 2024/2025.
- **Member**, Scholarship Committee, Information Science Department, College of Life Sciences, Kuwait University – 2024/2025.
- **Member**, Department Promotion Committee, Information Science Department, College of Life Sciences, Kuwait University – 2024/2025.

Academic Year 2023/2024

- **Convener**, Strategic Development Committee, Information Science Department, College of Life Sciences, Kuwait University – 2023/2024.
- **Member**, Scholarship Committee, Information Science Department, College of Life Sciences, Kuwait University – 2023/2024.
- **Member**, Research and Graduate Studies Committee, Information Science Department, College of Life Sciences, Kuwait University – 2023/2024.
- **Member**, Computing Information Systems and Information Technology Masters' Programs Committee, Information Science Department, College of Life Sciences, Kuwait University – 2023/2024.

Academic Year 2022/2023

- **Member**, Department Promotion Committee, Information Science Department, College of Life Sciences, Kuwait University – 2022/2023.
- **Member**, Research and Graduate Studies Committee, Information Science Department, College of Life Sciences, Kuwait University – 2022/2023.
- **Member**, Contract Renewal Committee, Information Science Department, College of Life Sciences, Kuwait University – 2022/2023.
- **Member**, Computing Information Systems and Information Technology Masters' Programs Committee, Information Science Department, College of Life Sciences, Kuwait University – 2022/2023.

Academic Year 2021/2022

- **Member**, Social and Public Seminar Committee, Information Science Department, College of Life Sciences, Kuwait University – 2021/2022.
- **Member**, Scholarship Committee, Information Science Department, College of Life Sciences, Kuwait University – 2021/2022.
- **Member**, Strategic Development Committee, Information Science Department, College of Life Sciences, Kuwait University – 2021/2022.

Academic Year 2020/2021

- **Acting Chair**, Information Science Department, College of Life Sciences – 2020/2021.
- **Co-Host**, InfoSec Summit'21, Information Science Department, College of Life Sciences, Kuwait University – 2020/2021.
- **Chair**, Department Advisory Board, Information Science Department, College of Life Sciences, Kuwait University – 2020/2021.
- **Convener**, Appointment and Contract Renewal Committee, Information Science Department, College of Life Sciences, Kuwait University – 2020/2021.
- **Convener**, Scholarship Committee, Information Science Department, College of Life Sciences, Kuwait University – 2020/2021.
- **Convener**, Strategic Development Committee, Information Science Department, College of Life Sciences, Kuwait University – 2020/2021.

Academic Year 2018/2019

- **Acting Chair**, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019 | 9th to 15th January 2019.
- **Member**, Graduate Program Committee – M.S. Computer Information Systems, Information Science Department, College of Computing Sciences and Engineering & College of Graduate Studies, Kuwait University – 2018/2019.
- **Founder and Chair**, Ethics Review Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Member**, Social and Public Seminar Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.
- **Member**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2018/2019.

Academic Year 2017/2018

- **Acting Chair**, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018 | 14th to 29th Aug 2019.
- **Founder and Chair**, Ethics Review Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Chair**, Social and Public Seminar Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Member**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.

Academic Year 2016/2017

- **Secretary**, Department Council, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Secretary**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Member**, Social Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.

*College-Level*Academic Year 2024/2025

- **Member**, Job Opportunities & Job Market Committee, Information Science Department, College of Life Sciences, Kuwait University – 2024/2025.

Academic Year 2023/2024

- **Member**, College's Strategic Plan Committee, College of Life Sciences, Kuwait University – 2023/2024.
- **Member**, Ethics Review Committee, College of Life Sciences, Kuwait University – 2023/2024.

Academic Year 2021/2022

- **Member**, Teaching Excellence Committee, College of Life Sciences, Kuwait University – 2021/2022.

Academic Year 2020/2021

- **Committee Chair**, College Website Improvement Committee, College of Life Sciences, Kuwait University – 2020/2021.
- **Member**, College Council, College of Life Sciences, Kuwait University – 2020/2021.
- **Member**, Scholarship Committee, College of Life Sciences, Kuwait University – 2020/2021.
- **Member**, Teaching Excellence Committee, College of Life Sciences, Kuwait University – 2020/2021.

Academic Year 2016/2017

- **Secretary**, Undergraduate Programs Committee, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.

*University-Level*Academic Year 2024/2025

- **Member**, Degree Equivalency Evaluation Committee, Kuwait University – 2024/2025.

Academic Year 2023/2024

- **Member**, Degree Equivalency Evaluation Committee, Kuwait University – 2023/2024.
- **Member**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2023/2024.



Academic Year 2022/2023

- **Chair**, Student Affairs Committee, Kuwait University – 2022/2023.
- **Chair**, Cultural Grants Committee, Kuwait University – 2022/2023.
- **Secretary**, University Discipline Committee, Kuwait University – 2022/2023.
- **Board Member**, Kuwait University Healthy City Initiative, Kuwait University – 2022/2023.
- **Chair**, 6th Track, Kuwait University Healthy City Initiative, Kuwait University – 2022/2023.
- **Member**, Grading Error Review Committee, Kuwait University – 2022/2023.
- **Member**, University Funding Committee, Kuwait University – 2022/2023.
- **Member**, University Celebrations and Conventions Committee, Kuwait University – 2022/2023.
- **Member**, Graduate School Grants and Scholarship Committee, Kuwait University – 2022/2023.
- **Member**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2022/2023.

Academic Year 2021/2022

- **Acting Assistant Vice President for Institutional Development**, Kuwait University – 2021/2022.
- **Committee Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2021/2022.
- **Co-Host**, Organizing Committee, InfoSec Summit'22, Information Science Department, College of Life Sciences, Kuwait University – 2021/2022.
- **Member**, Scientific Committee, InfoSec Summit'22, Information Science Department, College of Life Sciences, Kuwait University – 2021/2022.
- **Member**, People with Disabilities Committee, Kuwait University – 2021/2022.
- **Member**, Academic Ranking Improvement Initiative Committee, Office of the Vice President for Planning, Kuwait University – 2021/2022.
- **Member**, Scientific Committee, Kuwait University Research Conference Kuwait University – Spring 2021/2022.
- **Coordinator**, Improving Kuwait University Identity, Alumni and Workplace Relations, and Cultural and Sports Activities Committee, Kuwait University Academic Ranking Improvement Initiatives, Kuwait University – Spring 2021/2022.
- **Coordinator**, Improving Data Collection Committee, Kuwait University Academic Ranking Improvement Initiatives, Kuwait University – Spring 2021/2022.
- **Rapporteur**, Web Presence Improvement Committee, Kuwait University Academic Ranking Improvement Initiatives, Kuwait University – Spring 2021/2022.
- **Member**, Improving Research Output and Capacity Committee, Kuwait University Academic Ranking Improvement Initiatives, Kuwait University – Spring 2021/2022.
- **Member**, Arab Government Excellence Award Committee, Kuwait University – Fall 2021/2022.
- **Member**, Digitization of Services and Digital Transformation Committee, Kuwait University – 2021/2022.

Academic Year 2020/2021

- **Acting Assistant Vice President for Institutional Development**, Kuwait University, Summer 2020/2021.
- **Committee Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2020/2021.
- **Member**, Academic Ranking Improvement Initiative Committee, Office of the Vice President for Planning, Kuwait University – 2020/2021.

Academic Year 2019/2020

- **Member**, eLearning Bylaws Committee, Vice President for Academic Support Services, Kuwait University, Kuwait – 2019/2020.
- **Committee Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2019/2020.
- **Volunteer Trainer**, eLearning Trainers Group, Special Committee for eLearning during COVID-19, Kuwait University, Kuwait – 2019/2020.

Academic Year 2018/2019

- **Committee Chair**, Teaching Excellence Program, Office of the Vice President for Academic Affairs, Kuwait University – 2018/2019.
- **Co-Facilitator**, Teaching Excellence Workshop for faculty in Arabic, VPAA, Kuwait University – 2018.
- **Co-Host**, First forum of the "Teaching Excellence Community of Practice" at Kuwait University, Kuwait University – 2018.
- **Co-Facilitator**, Teaching Excellence Workshop: Learning by Design, VPAA, Kuwait University – 2018.
- **Planner**, Active Learning and Teaching with Technology, VPAA, Kuwait University – 2018.
- **Host and Planner**, Lecture titled "Re-imagining the Teaching Space" By Prof. Paul Corcoran from University of South Australia, College of Computing Sciences and Engineering in collaboration with the VPAA, Kuwait University – 2018.

COMMUNITY SERVICE

- **Founder**, Missing Maps Kuwait, 2018 – Present.
- **Member**, Kuwait GIS User Group (KGUG), 2017 – Present.
- **Member**, Scientific Committee, Kuwait Fire Protection Association, 2021 – Present.
- **Founder**, Kuwait Health Informatics Network, 2014 – Present.
- **Volunteer**, Kuwait Red Crescent Society, 2012 – Present.
- **Information Technology and Informatics Consultant**, Direct Aid, 2013 – Present.
- **International Relations Officer**, Kuwait Dive Team, 2008 – Present.
- **Chair**, Rescue Committee, Kuwait Fire Protection Association, 2016 – 2019.
- **Accessibility Volunteer Sailor and Mate**, Downtown Sailing Center (USA), 2012 – 2016.
- **Chair**, Graduate Students Committee, National Union of Kuwaiti Students (USA), 2013 – 2015.
- **Board Member**, National Union of Kuwaiti Students (USA), 2012 – 2013.

- **Information Technology Consultant**, Bayt Abdulla Children's Hospice, 2010 – 2014.
- **Youth Leader, Systems Advisor and Co-Founder of Kuwait 4 Kenya (K4K)**, Lothan Youth Achievement Center (LoYAC), 2008 – 2012.
- **Co-Founder**, Kuwaiti Student Association, University of Arizona, 2004.

## ASSOCIATIONS

### *Academic*

- International Medical Informatics Association (IMIA).
- American Medical Informatics Association (AMIA).
- Healthcare Information and Management Systems Society (HIMSS).
- American Health Information Management Association (AHIMA).
- Middle East and North African Health Informatics Association (MENAHA).
- International Society for Telemedicine and eHealth (ISfTeH).
- Institute of Electrical Engineers and Electronics (IEEE).
- Sigma Xi – The Scientific Research Honor Society, USA.
- American Middle Eastern Network for Dialogue at Stanford University (AMENDS), USA.
- Blue Chip Leadership Program, University of Arizona, USA.
- Delta Sigma Pi International Professional Business Fraternity, USA.
- Golden Key International Honor Society, USA.
- Kuwaiti Student Association - University of Arizona.
- Kuwait Health Initiative.
- Management Information Systems Graduate Association - University of Arizona.
- National Union of Kuwait Students, USA Branch.
- Students for International Change.
- Sigma Alpha Lambda, National Leadership and Honors Society, USA.

### *Professional*

- Kuwait GIS User Group (KGUG), Kuwait.
- Kuwait Fire Protection Association (KFPA), Kuwait.
- Helicopter Rescue and Response Association (HRRA).
- International Association of Fire Chiefs (IAFC).
- Kuwait Dive Team, The Environmental Voluntary Foundation, Kuwait.
- Kuwait Information Technology Society.
- Kuwait Red Crescent Society.
- Kuwait Transparency Society.
- Lothan Youth Achievement Center (LoYAC).

- Maryland Flight Paramedics Association.
- Thukhur - National Program to Develop Future Promising Leaders.
- WYSE International.

## FIRE, RESCUE, AND EMERGENCY MEDICAL SERVICES

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- Volunteer, Middle River Volunteer Fire and Rescue Company, 2016 – Present.
- Water Rescue Captain, Middle River Volunteer Fire and Rescue Company, 2016 – 2017.
- Rescue Lieutenant, Firefighter/NREMT, Middle River Volunteer Ambulance and Rescue, 2012 – 2016.
- Firefighter II/NREMT, Lansdowne Volunteer Fire Company, 2015 – 2017.
- Swiftwater Rescue Technician, Kingsville Volunteer Fire Company, 2015 – Present.
- Rescue Diver, Firefighter/NREMT, Prince George's County Fire and Marine Rescue Department, 2015 – 2017.
- Firefighter II/NREMT, Jessup Volunteer Fire Department, 2015 – 2017.
- Firefighter II/NREMT, Riviera Beach Volunteer Fire Company, 2012 – 2016.

## RESEARCH PROJECTS & GRANTS

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### Ongoing

- **CoPI:** Beyond Boundaries: Unleashing the Potential of Geospatial Sciences through Digital Inclusivity and Citizen Engagement. 2024. *Funded by: The National Academies of Sciences, Engineering, and Medicine, USA; Hosted by Dr. Amr Magdy, University of California, Riverside.*
- **PI:** Cyber Resilience in Small and Medium Enterprises – Assessment and Assurance: An Empirical Investigation of Kuwait's SME Ecosystem. 2023. *Funded by: Kuwait Foundation for the Advancement of Sciences and Kuwait University.*
- **COI:** Team-Based Cancer Care in Kuwait Assessing the Continuum of Cancer Care. 2022. *Funded by: Kuwait Foundation for the Advancement of Sciences and Kuwait University.*

### Completed

- **PI:** Investigating the Challenges and Opportunities of Adopting Health Information Technology Solutions. 2017. *Funded by: Kuwait University.*

## SCHOLARLY ACTIVITIES

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### Peer-Reviewed Scientific Book Chapters

1. **Alhuwail D**, Abd-alrazaq A, Alsahli M. (2025). Smartphone Apps for Cancer Care: Use Cases, Benefits, and Challenges. **In:** Tuan Anh (Eds.). *IoT-WSN-DT based Medical System and Nanotechnology for Smart Cancer Care*. Elsevier.
2. **Alhuwail D**, Alhouthi A. (2022). Empowering Consumers for More Resilient and Sustainable Healthcare Systems: Citizen Science Approaches to Engage Least Utilized Resources and the Development of Technology Tools during COVID-19. **In:** Kuriansky J, Kakkattil P (Eds.). *Resilient Health: Leveraging Technology and Social Innovations to Transform Healthcare for COVID-19 Recovery and Beyond*. Academic Press.

3. Al-Shorbaji N, **Alhuwail D**. (2022). Chapter 16 - Health informatics in the Middle East and North Africa. **In:** Hovenga E, Grain H (Eds.). *Roadmap to Successful Digital Health Ecosystems*. Academic Press. doi: [10.1016/B978-0-12-823413-6.00029-X](https://doi.org/10.1016/B978-0-12-823413-6.00029-X)
4. Agarwal S, **Alhuwail D**, John O. (2020). mHealth Solutions in Global Health. **In:** Haring R, Kickbusch I, Ganten D, Moeti M (Eds.). *Handbook of Global Health*. (Accepted). Springer. doi: [10.1007/978-3-030-05325-3](https://doi.org/10.1007/978-3-030-05325-3)
5. Abd-Alrazaq A, Schneider J, **Alhuwail D**, Hamdi M, Al-Kuwari S, Al-Thani D, Househ, M. (2020). Artificial Intelligence in the Fight against the COVID-19 Pandemic: Opportunities and Challenges. **In:** Househ M, Kushniruk A, Borycki E (Eds.). *Multiple Perspectives on Artificial Intelligence in Healthcare: From Challenges to Opportunities*. (Accepted). Springer.
6. **Alhuwail D**, Abd-Alrazaq A, Al-Jafar E, Househ, M. (2021). Telehealth for the Geriatric Population: Use, Opportunities, and Challenges. **In:** Choukou C, Syed-Abdul S (Eds.). *Smart Home Technologies and Services for Geriatric Rehabilitation*. (Accepted). Academic Press. doi: [10.1016/B978-0-323-85173-2.00008-4](https://doi.org/10.1016/B978-0-323-85173-2.00008-4)

### White Papers and Technical Reports

1. Kuwait Digital Maturity Assessment Report. UNDP. 2023.

### Journal Articles

1. Abd-Alrazaq A, Nashwan AJ, Shah Z, Abujaber A, **Alhuwail D**, Schneider J, AlSaad R, Ali H, Alomoush W, Ahmed A, Aziz S. Machine Learning-Based Approach for Identifying Research Gaps: COVID-19 as a Case Study. *JMIR Formative Research*. 2024 Mar 5;8:e49411. doi: [10.2196/49411](https://doi.org/10.2196/49411).
2. Eunjoo J, Laura-Maria L, Block L, Ronquillo C, Tayaben J, Nibber R, Pruinelli L, Perezmitre E, Sommer J, Topaz M, Eler G, Shishido H, Henrique Y, Wardaningsih S, Sutantri, Ali S, **Alhuwail D**, Abd-Alrazaq A, Akhu-Zaheya L, Lee Y, Shu S, Lee J. Technological Challenges and Solutions in Emergency Remote Teaching for Nursing: An International Cross-Sectional Survey. *Healthcare Informatics Research*. 2024; 30:1:49-59. doi: [10.4258/hir.2024.30.1.49](https://doi.org/10.4258/hir.2024.30.1.49).
3. **Alhuwail D**, Alhouti A, Alsarhan L. Breast Cancer Apps for Arabic Speakers: A Critical Review of Apps' Quality, Privacy, and Security. *JMIR Cancer*. 2024 Jan 16;10:e48428. doi: [10.2196/48428](https://doi.org/10.2196/48428).
4. Altabrabaei R, **Alhuwail D**. Exploring the Challenges and Opportunities of Adopting and Using Telemedicine for Diabetes Care and Management: Qualitative Semistructured Interview Study Among Health Care Providers and Patients With Diabetes. *JMIR Human Factors*. 2023 Sep 7;10:e46324. doi: [10.2196/46324](https://doi.org/10.2196/46324)
5. Abd-alrazaq A, AlSaad R, **Alhuwail D**, Ahmed A, Healy PM, Latifi S, Aziz S, Damseh R, Alabed Alrazak S, Sheikh J. Large Language Models in Medical Education: Opportunities, Challenges, and Future Directions. *JMIR Medical Education*. 2023;9:e48291 doi: [10.2196/48291](https://doi.org/10.2196/48291)
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26. **Alhuwail D**. Presenter: Illuminating Healthcare's Dark Data Islands: Challenges and Opportunities for Big Data in Kuwait. In: *6<sup>th</sup> Arab-American Frontiers of Science, Engineering, and Medicine Symposium*. Kuwait City, Kuwait; 2018.
27. AlMeraj Z, **Alhuwail D**, Boujarwah F. Evaluation of Nine Hospital Websites in Kuwait According to Accessibility, Content, Presence and Usability. In: *Kuwait University Scientific Research Poster Day*. 2018. Kuwait City, Kuwait.
28. **Alhuwail D**, Abdulsalam Y. Seeking Health Information Online in Kuwait: An Exploratory Study. In: *Kuwait University Scientific Research Poster Day*. 2018. Kuwait City, Kuwait.
29. Abdulsalam Y, **Alhuwail D**, Schneller E. Adopting Identification Standards in the Medical Devices Supply Chain. In: *Kuwait University Scientific Research Poster Day*. 2018. Kuwait City, Kuwait.
30. Boujarwah F, AlMeraj Z, **Alhuwail D**. What Do Users Want? Preliminary Analysis of User Expectations of Hospital Websites in the State of Kuwait. In: *The ACM CHI Conference on Human Factors in Computing Systems – W27: Exploring Participatory Design Methods to Engage with Arab Communities*. 2018. Montréal, Canada.
31. **Alhuwail D**, Norcio AF. Updates on Information Technology and Systems in the Fire Service. In: *5<sup>th</sup> International Fire and Safety Conference and Exhibition*. 2018. Kuwait City, Kuwait.
32. **Alhuwail D**, Wake D, Barnes R, Alkandari H, Badawi D, Shaltout A. Reporting on the Use of mHealth and Novel Health IT tools for the Development of the Childhood Onset Diabetes eRegistry (CODeR) in the State of Kuwait. In: *2<sup>nd</sup> International Computing Sciences and Engineering Conference*. 2018. Kuwait City, Kuwait.
33. Boujarwah F, **Alhuwail D**, AlMeraj Z. Cross-Sectional Evaluation of Hospital Websites in Kuwait. In: *2<sup>nd</sup> International Computing Sciences and Engineering Conference*. 2018. Kuwait City, Kuwait.
34. Alsharrah S, **Alhuwail D**, Aljalalma H, Coffee N, Daniel M, Alozairi E, Alrefaei F. Use of Geographic Information Systems (GIS) to map diabetic patients in the State of Kuwait – A pilot study. In: *2<sup>nd</sup> International Computing Sciences and Engineering Conference*. 2018. Kuwait City, Kuwait.
35. Alsharrah S, **Alhuwail D**, Aljalalma H, Coffee N, Daniel M, Alozairi E, Alrefaei F. Dasman Diabetes Institute-Canberra GeoHealth Initiative: Using a spatial lens to understand diabetes in relation to social, built and physical environmental factors shaping risks and outcomes. In: *The 1<sup>st</sup> Annual Saudi Community Health Symposium (Women's Health and Wellbeing)*. King Saud University. 2017. Riyadh, Saudi Arabia.
36. **Alhuwail D**. Leveraging Health Informatics for Better Health Care: Challenges and Opportunities in the State of Kuwait. In: *International Kuwait Health Information Conference*. 2017. Kuwait City, Kuwait.

37. **Alhuwail D**, Aljalahma H, Abduo H, Abu-Ghefreh A, Halawa N, Dawwas B, Alqabandi N, Al Qersh M. Assessing the Usage Patterns of a Diabetes Education Website Available for Arabic Speakers: Insights and Recommendations. In: *International Diabetes Federation Congress*. 2017. Abu Dhabi, UAE.
38. **Alhuwail D**. Utilizing Information Technology to Improve Patient Safety while Engaging Patients in Care: Opportunities for the State of Kuwait. In: *Kuwait Conference on Quality in Healthcare*. 2017. Kuwait City, Kuwait.
39. **Alhuwail D**, Koru G. Challenges and Opportunities of Leveraging Exergames at Home for Diabetes Management: An Exploratory Study from Kuwait. In: *H3IT 2017: Home Healthcare and Hospice Information Technology Conference*. 2017. Washington D.C., USA.
40. **Alhuwail D**, Callaghan-Koru J, Braunschweig B, Koru G. Engaging Home Care Patients and Caregivers for Better Fall Risk Management: Challenges, Opportunities, and Leveraging Information Technology. In: *H3IT 2016: Home Healthcare and Hospice Information Technology Conference*. 2016. Chicago, IL, USA.
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42. **Alhuwail D**, Koru G. Investigating How Health IT Solutions Responded to Information Needs for Fall-risk Management: A case Study. In: *American Medical Informatics Association Annual Conference*. 2016. Chicago, IL, USA.
43. Jademi O, Uchidiuno U, **Alhuwail D**, Koru G. Informing the Requirements for IT-based Fall-risk Management Solutions in Home Health Care. In: *American Medical Informatics Association Annual Conference*. 2016. Chicago, IL, USA.
44. **Alhuwail D**, Koru G. Identifying Home Care Clinicians' Information Needs to Achieve Better Care Coordination in Fall-risk Management. In: *Summer Institute in Nursing Informatics*. 2016. Baltimore, MD, USA.
45. Uchidiuno U, Koru G, Parameshwarappa P, **Alhuwail D**. Leveraging Data Analytics to Investigate the Relationship between Patient Demographic and Falls in Home Care. In: *Summer Institute in Nursing Informatics*. 2016. Baltimore, MD, USA.
46. *Best Poster Award Finalist* –**Alhuwail D**, Koru G. Identifying Home Care Clinical Practices Most Associated with Hospital Readmissions and Non-admitted ER Visit Rates: Secondary Data Analysis. In: *American Medical Informatics Association Annual Conference*. 2015. San Francisco, CA, USA.
47. **Alhuwail D**, Koru G. Identifying Home Care Providers' Information Needs for Managing and Reducing Fall Risks. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. 2015. Nashville, TN, USA.
48. Koru G, **Alhuwail D**, Rosati RJ. Informing Health IT Adoption Strategies in Home Care through Identifying Key Performance Improvement Domains For Home Health Agencies. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. 2015. Nashville, TN, USA.
49. Koru G, Parameshwarappa P, **Alhuwail D**. Leveraging Public Data to Investigate Home Care Quality in Urban and Rural America. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. 2015. Nashville, TN, USA.
50. Koru G, Parameshwarappa P, **Alhuwail D**. Identifying Home Care Clinical Practices Most Associated with Hospital Readmissions and Non-admitted ER Visit Rates: Secondary Data Analysis. In: *The 6<sup>th</sup> Annual Workshop on Health IT and Economics*. 2015. Washington D.C., USA.

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52. Koru G, **Alhuwail D**, Aifan A. Realizing the Benefits of Home Care Data: Identifying Home Care Clinical Practices Most Associated with Hospital Readmissions and Non-admitted ER Visit Rates. In: *Summer Institute in Nursing Informatics*. 2015. Baltimore, MD, USA.
53. **Alhuwail D**, Norcio AF. Information Technology and Systems in the Fire Service: A Literature Review. In: *International Conference on Computer Sciences and Engineering*. 2015. Kuwait City, Kuwait.
54. **Alhuwail D**, Koru G, Alaiad A, Norcio AF, Topaz M. Health Information Technology Adoption in Home Health: Progress Report. In: *American Medical Informatics Association Annual Conference*. 2014. Washington D.C., USA.
55. Koru G, **Alhuwail D**, Topaz M, Mills ME, Norcio AF. Toward Effective and Efficient Health IT Adoption in Home Care. In: *H3IT 2014: Home Healthcare and Hospice Information Technology Conference*. 2014. Washington D.C., USA.
56. Koru G, **Alhuwail D**. Health IT Adoption in Maryland Home Health Agencies. In: *Home Health IT Summit*. 2014. Baltimore, MD, USA.
57. Koru G, **Alhuwail D**, Mills ME, Topaz M, Norcio AF. Health IT Adoption in Home Health Agencies. In: *Summer Institute in Nursing Informatics*. 2014. Baltimore, MD, USA.
58. Shaltout A, Kaldani E, **Alhuwail D**, Safran C, Feldman H, AlKhuzam A, Kaldani A, Behbehani K. ReportWriter: An Innovative Electronic Health Record for More Efficient and Enhanced Quality of Diabetes Care. In: *International Society for Pediatric and Adolescent Diabetes*. 2011. Miami, FL, USA.
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60. Wake D, Thangavel A, Barnes R, **Alhuwail D**, AlKhuzam A, Farran B, Channanath A, AlRefaie F, Morris A, Behbehani K, AlArouj M, Bennakhi A. Defining Diabetes in Kuwait: Using Informatics to Understand and Help a Diabetes Population (KSEIN). In: *International Society for Pediatric and Adolescent Diabetes*. 2011. Miami, FL, USA.
61. Greene A, Shaltout A, Alexander V, Brilliante M, Cunningham S, Fairley E, Halwa N, **Alhuwail D**, Wake D, Greene S. Integrating "Sweet Text" a Mobile Phone Behavioral Support programme for Young People with T1D into Clinical service in Kuwait and Scotland. In: *International Society for Pediatric and Adolescent Diabetes*. 2011. Miami, FL, USA.
62. **Alhuwail D**, Barnes R. Diabetes Care in the Age of Informatics: Kuwait-Scotland Health Innovation Network. In: *2<sup>nd</sup> Kuwait Conference on e-Services and e-Systems*. 2011. Kuwait City, Kuwait.
63. **Alhuwail D**. Review of Handheld Applications for Healthcare. In: *First Kuwait Conference on e-Services and e-Systems*. 2009. Kuwait City, Kuwait.

### *Invited Talks and Presentations*

1. **Alhuwail D**. *Keynote Speaker*: Advancing Digital Health in Kuwait: Policy Frameworks and Strategic Initiatives. In: *LSE Kuwait Annual Conference — Delivering Healthcare Excellence in Kuwait*. Kuwait City, Kuwait; 2024.

2. **Alhuwail D.** *Keynote Speaker: Navigating Digital Health & Informatics Wave in Modern Medicine.* In: *Kuwait Institute for Medical Specializations – Conference in Advancing Residency Education (KIMS-CARE).* Kuwait City, Kuwait; 2024.
3. **Alhuwail D.** *Panel Moderator: Emerging Environmental Technologies in Scientific Research.* In: *Kuwait University Scientific Research Conference -2024.* Kuwait City, Kuwait; 2023.
4. **Alhuwail D.** *Keynote Speaker: AI in Registry Development.* In: *Kuwait International Multidisciplinary Pediatrics Conference.* Kuwait City, Kuwait; 2024.
5. **Alhuwail D.** *Panel Moderator: Digitalizing the Healthcare Sector to Enhance Patient Care and Wellness Journey.* In: *2<sup>nd</sup> Digital Transformation Kuwait Conference.* Kuwait City, Kuwait; 2023.
6. **Alhuwail D.** *Speaker and Panelist: Citizen Science Forum.* In: *Science Month – Kuwait Foundation for the Advancement of Sciences.* Kuwait City, Kuwait; 2023.
7. **Alhuwail D.** *Keynote Speaker: New Technologies Affecting Risk and the Risk of Innovation.* In: *Risk Week at Burgan Bank.* Kuwait City, Kuwait; 2023.
8. **Alhuwail D.** *Keynote Panel Discussion: Digital Economy and its Relationship with Digital Transformation.* In: *Alsaad Foundation Annual Scientific Symposium.* Kuwait City, Kuwait; 2023.
9. **Alhuwail D.** *Keynote Speaker: Enhancing the Experience of Healthcare Consumers Digitally.* In: *Patient Experience Summit Kuwait.* Kuwait City, Kuwait; 2023.
10. **Alhuwail D.** *Panelist: Can Behavior Science Help Us Change Unhealthy Lifestyle Habits?.* In: *Hamad Bin Khalifa University.* Virtually, Doha, Qatar; 2023.
11. **Alhuwail D.** *Presenter: Governance, Transparency and Informatics Ethics.* In: *1st Annual Forum on Information from an Integrated Perspective – Kuwait University.* Kuwait City, Kuwait; 2022.
12. **Alhuwail D.** *Keynote: Data and Citizen Science x Pandemic: Voluntary Efforts Fighting COVID-19 using Digital Tools.* In: *Computer Applications and Technological Solutions (CATS'22).* Kuwait City, Kuwait; 2022.
13. **Alhuwail D.** *Presenter: Lessons and Recommendations.* In: *Kuwait University's 1<sup>st</sup> Research Conference.* Kuwait City, Kuwait; 2022.
14. **Alhuwail D.** *Presenter: Kuwait University Rankings ... Opportunities, Challenges, and the Road Ahead.* In: *1st International Conference in Academic Development for Higher Education: New Vision for New Era.* Virtually, Kuwait; 2022.
15. **Alhuwail D.** *Panelist: Telehealth Standards towards strengthening healthcare delivery system & Building Resilience.* In: *Telemedicon 2021: 17<sup>th</sup> Annual International Conference of Telemedicine Society of India.* Virtually, India; 2021.
16. **Alhuwail D.** *Presenter: Data Governance: Reducing Clinical Variations and Promoting Health Equity.* In: *HIMSS Middle East Conference.* Virtually, Riyadh, Saudi Arabia; 2021.
17. **Alhuwail D.** *Panelist: Governance, Reimbursement, Privacy, Collaboration Technology.* In: *Global Conference: A destination in sight: Doing it right to bring personalized healthcare to patients.* Online, Germany; 2021.
18. **Alhuwail D.** *Keynote: Impact of COVID-19 on leveraging the technology adoption and the digital literacy within the healthcare ecosystem in Kuwait.* In: *GCC eHealth Workforce Development Conference 2021.* Virtually, Dubai; UAE 2021.
19. **Alhuwail D.** *Panelist: How can libraries improve health literacy in the Middle East region?.* In: *Evolving Health Information Landscape Symposium – Weill Cornell Medicine-Qatar (WCM-Q) Distributed eLibrary.* Virtually, Doha, Qatar; 2021.

20. **Alhuwail D. Panelist:** Artificial Intelligence in Healthcare. In: *Invited talk at the United Arab Emirates Embassy in Kuwait*. Virtually, Kuwait City, Kuwait; 2021.
21. **Alhuwail D. Presenter:** Recommendations and Concluding Remarks. In: *InfoSec Summit'21*. Virtually, Kuwait City, Kuwait; 2021.
22. **Alhuwail D.** Embracing Digital into Mainstream Healthcare: Thriving Post-COVID-19. In: *8<sup>th</sup> eGovernment Forum*. Virtually, Kuwait City, Kuwait; 2021.
23. **Alhuwail D. Panelist:** Translating Policy to Practice in Telehealth: Lessons from Global Implementation Experiences. In: *Telemedicon 2020*. Virtually, Chennai, India; 2020.
24. **Alhuwail D. Presenter:** Volunteering Inspiration. In: *KAFO 4<sup>th</sup> Annual Conference*. Virtually, Kuwait City, Kuwait; 2020.
25. **Alhuwail D. Presenter:** Telehealth Masterclass. In: *HIMSS Middle East Conference*. Virtually, Riyadh, Saudi Arabia; 2020.
26. **Alhuwail D. Presenter:** The Role of Data Science in the COVID-19 Pandemic. In: *KEAS Inspo Talks, Kuwait Foundation for the Advancement of Sciences*. Virtually, Kuwait City, Kuwait; 2020.
27. **Alhuwail D. Presenter:** Fighting the Pandemic: A GCC Digital Outlook – Public Health Informatics Forum. In: *GCC eHealth Workforce Development Conference 2020*. Virtually, Dubai; UAE 2020.
28. **Alhuwail D. Presenter:** The HIE'Leap of Faith: Lessons to learn today from the Pioneers. In: *GCC eHealth Workforce Development Conference 2020*. Virtually, Dubai; UAE 2020.
29. **Alhuwail D. Presenter:** Using Geospatial Data for Epidemic Insights in Kuwait. In: *Digital Health Strategies to Control COVID-19 – Johns Hopkins Bloomberg School of Public Health*. Virtually, Baltimore, MD, USA; 2020.
30. **Alhuwail D. Panelist:** Digital Systems and Services in the times of COVID-19. In: *Science and Technology Community Meetup – KAFO*. Virtually, Kuwait; 2020.
31. **Alhuwail D. Presenter:** Reaching Consumers Digitally: Opportunities for GCC Healthcare Systems. In: *International Symposium for Telemedicine and Artificial Intelligence in Medicine*. Muscat, Oman; 2020.
32. **Alhuwail D. Presenter:** The Role of Youth in Volunteering and Global Citizenship. In: *Ban Ki-moon Centre for Global Citizens*. Kuwait City, Kuwait; 2019.
33. **Alhuwail D. Presenter:** Health Informatics ... Are you ready for the Digital Health Wave? In: *5<sup>th</sup> Annual Conference of the Kuwait Institute for Medical Specialization Current Advances in Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2019.
34. **Alhuwail D. Presenter:** Trailblazing the Health Informatics Landscape: Research from Kuwait. In: *Hamad Bin Khalifa University CSE ICT seminars*. Doha, Qatar; 2018.
35. **Alhuwail D. Presenter:** FAIR Digital Practices: Guiding Principles for Data Science. In: *ISC Monthly Seminar Series*. Kuwait City, Kuwait; 2018.
36. **Alhuwail D. Presenter:** Design Thinking: App Development for Frail Patients. In: *The University of Dundee Medical School Graduate Program – Dasman Diabetes Institute*. Kuwait City, Kuwait; 2018.
37. **Alhuwail D. Keynote Presenter:** Diagnosing Kuwait's Digital Health Maturity: An Overview of Informatics Research in Context. In: *Ninewells Hospital and the University of Dundee Medical School*. Dundee, United Kingdom; 2018.
38. **Alhuwail D. Presenter:** Kuwait's Digital Health Maturity: Challenges, Opportunities, and Policy Recommendations. In: *Middle East Centre, London School of Economics and Political Sciences*. London, United Kingdom; 2018.

39. **Alhuwail D. Presenter:** Cybersecurity Practices by Organizations and Professionals in healthcare. In: *5<sup>th</sup> GCC Healthcare Innovation Congress*. Dubai, UAE; 2018.
40. **Alhuwail D. Presenter:** Information Management and Medical Informatics. In: *Kuwait Medica 2018 – Biomedical Engineering Workshop*. Kuwait City, Kuwait; 2018.
41. **Alhuwail D. Presenter:** Applying GIS for Water Well Mapping in Sub-Saharan Africa: Suqya's Story. In: *10<sup>th</sup> Kuwait GIS User Conference*. Kuwait City, Kuwait; 2018.
42. **Alhuwail D. Presenter:** Health Informatics Trends: Essential Knowledge for Clinicians in 21st Century Medicine. In: *4<sup>th</sup> Annual Conference of the Kuwait Institute for Medical Specialization Current Advances in Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2018.
43. **Alhuwail D. Keynote Presenter:** Health Informatics: An Overview of the Challenges and Opportunities in the State of Kuwait. In: *Military Medical Complex – North, Medical Services Authority, Kuwait Army*. Jahra, Kuwait; 2017.
44. **Alhuwail D. Presenter:** Cybersecurity Threats in Healthcare: Recommendations for Kuwait's Leaders. In: *The 9<sup>th</sup> Kuwait Info Security Conference*. Kuwait City, Kuwait; 2017.
45. **Alhuwail D. Presenter:** Exploring Research Collaboration Opportunities in the College of Computing Sciences and Engineering. In: *Department of Computer Science Seminar Series*. Kuwait City, Kuwait; 2017.
46. **Alhuwail D. Presenter:** Health Informatics: Applications and Opportunities for Kuwait's Healthcare System. In: *ISC Monthly Seminar Series*. Kuwait City, Kuwait; 2016.
47. **Alhuwail D. Presenter:** Clinical and Health Informatics: A Roadmap for Kuwait. In: *Inaugural Scientific Health Informatics Symposium – Kuwait Health Informatics Network*. Kuwait City, Kuwait; 2015.
48. **Alhuwail D. Presenter:** Clinical and Health Informatics: Aspirations & Applications for Health care. In: *Sirdab Lab*. Kuwait City, Kuwait; 2014.

### Workshops

1. **Alhuwail D. Co-Facilitator:** Leading with Empathy: Unlocking Innovation and Embracing AI. In: *Kuwait National Petroleum Company*. Kuwait City, Kuwait; 2024.
2. **Alhuwail D. Facilitator:** Digital Literacy. In: *Alghanim Industries*. Kuwait City, Kuwait; 2024.
3. **Alhuwail D. Facilitator:** AI in Medicine: Opportunities and Challenges. In: *Kuwait Institute for Medical Specializations – Conference in Advancing Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2024.
4. **Alhuwail D. Facilitator:** Leading in Teams in the Workplace. In: *Saud Alnasser Alsabah Kuwait Diplomatic Institute*. Kuwait City, Kuwait; 2024.
5. **Alhuwail D. Facilitator:** CoralWatch workshop. In: *Science Month – Kuwait Foundation for the Advancement of Sciences*. Kuwait City, Kuwait; 2023.
6. **Alhuwail D. Facilitator:** Research How Tos. In: *American University of Kuwait Guest Workshop Series*. Kuwait City, Kuwait; 2022.
7. **Alhuwail D. Facilitator:** Design Thinking for Healthcare Professionals. In: *Kuwait Dental Administration Conference and Exhibition (KDAC2019)*. Kuwait City, Kuwait; 2019.
8. **Alhuwail D. Facilitator:** Introduction to Academic Research Methods. In: *ClickIT Student Club Workshop Series*. Kuwait City, Kuwait; 2018.



9. **Alhuwail D. Facilitator:** The 7 Habits of Highly Effective Teens. In: *Lothan Youth Achievement Center (LoYAC)*. Kuwait City, Kuwait; 2008.
10. **Alhuwail D. Facilitator:** The 7 Habits of Highly Effective Teens. In: *Lothan Youth Achievement Center (LoYAC)*. Kuwait City, Kuwait; 2008.
11. **Alhuwail D. Facilitator:** The 7 Habits of Highly Effective Teens. In: *Lothan Youth Achievement Center (LoYAC)*. Kuwait City, Kuwait; 2007.

## Supervision of Graduate Students

### Theses

- Fatmah Ahmad – **Primary Supervisor:** Cybersecurity Assessment Models for Maturity and Readiness: Exploring Kuwait's Public Sector. *Thesis*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait — in progress.
- Latifah Alsarhan – **Primary Supervisor:** Remote Work Cybersecurity Preparedness in Kuwait: An Empirical Investigation. *Thesis*, Masters of Science in Information Technology – Kuwait University, Kuwait — in progress.
- Anwar Al-Hussainan – **Primary Supervisor:** Assessing Safety of Electronic Health Records. *Thesis* – Masters of Science in Computing Information Systems, College of Life Sciences – Kuwait University, Kuwait — in progress.
- Maryam Almahdi – **Primary Supervisor:** Exploring Technical Factors Affecting AI Automation Models Implementation in Kuwait's Public Hospital System. *Thesis*, – Masters of Science in Information Technology – Kuwait University, Kuwait – in progress.
- Kholoud Alqattan – **Primary Supervisor:** Using Machine Learning Technique to Predict Kidney Transplant Survival. *Thesis*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait – 2022.
- Hessa AlAslawi – **Co-Supervisor:** Role of eHealth Applications Diabetes Management, *Thesis*, PhD in Clinical and Pharmaceutical Sciences, School of Life and Medical Sciences – University of Hertfordshire, University of Hertfordshire, UK – 2021.
- Ishrat Azeem – **Primary Supervisor:** Role of mHealth for Diabetes Management, *Thesis*, Masters in Diabetes Care and Education, School of Medicine – University of Dundee, Dundee, UK – 2019.

### Projects

- Zahraa Jassem – **Primary Supervisor:** Evaluating the Digital Maturity of Kuwait's Healthcare System, *Project*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait – 2022.
- Rabab Al-Tabtabaiee – **Primary Supervisor:** Telemedicine for Diabetes Care and Management, *Project*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait – 2022.
- Mai Almutairi – **Primary Supervisor:** Measuring Kuwait's Digital Health Maturity. *Project*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait – 2022.

### Membership of Graduate Programs Examination Committees

- Maha Almutairi – **Convener:** Tele-education system for Dyscalculic Student Let's Count. *Thesis*, Masters of Science in Computing Information Systems – Kuwait University, Kuwait – 2024.
- Alaa Alblooshi – **Convener:** Evidence-Based Assessment of Knowledge Management Systems for Compliance with ISO Standard 30401. *Project*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2024.

- Hawraa Abdulrada – **Examiner:** Assessing the Mobile Accessibility of E-Government Websites for Individuals with Visual Impairment in Kuwait. *Thesis*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2023.
- Fajer Almudahaka – **Convener:** Unified Risk Management Maturity Model - Assessment Tool and Its Application. *Project*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2022.
- Nourah Almutairi – **Examiner:** Measuring the user’s satisfaction with Public Authority for Minor’s Affairs. *Project*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2022.
- Fatimah Almusajin – **External Examiner:** Factors Affecting Intention to Use Blockchain Technology in Health Records in Saudi Arabia: A Case Study of the Eastern Province. *Thesis*, Masters of Science in Innovation and Technology Management – Arabian Gulf University, Bahrain – 2021.
- Yousef AlRasheed – **Examiner:** Assessing Cyber Resilience Readiness of Small and Medium Enterprises in Kuwait. *Project*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2021.
- Shok Shama – **Examiner:** Evaluating User Experience, Accessibility and Usability of E-commerce Websites in the State of Kuwait. *Thesis*, Masters of Science in Information Technology – Kuwait University, Kuwait – 2020.

### Op-Ed Articles

The following Op-Ed articles are published in local newspapers.<sup>1</sup>

- Alhuwail D. The Phoenix and Education! In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Stop Destroying! In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Design Thinking and Digitization. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Youth Empowerment .. Reality and Ambition! In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Cybersecurity and Lifelines. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Education and Political Polemics. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. We need “Rahash”. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. We are staying here. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Dark Digital Interfaces. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Skills Not Certifications. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. E-Government: A Dream or a Reality? In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Reflections on “Ever Given” and International Cables. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Dangers in Zettabytes. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. First Year Corona. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Finally, a Ministry for Digital. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. A pearl in the Trenches of Darkness. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Before it is too late. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Understating Policies. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. The Oasis’s Mirage. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Kuwait .. A Hub for the Digital Economy. In: *AlQabas Newspaper*. Kuwait; 2021.

<sup>1</sup>Sample of articles published in the Arabic language – Titles loosely translated.

- Alhuwail D. Guided by Science and Competencies. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. For Education. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Achievements not Titles. In: *AlQabas Newspaper*. Kuwait; 2021.
- Alhuwail D. Algorithms, Vaccines, and Crisis. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Digital Public Goods. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Digital Legislative Demands. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Cybersecurity and the Pandemic. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. A Vaccine for Digital Abuse? In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. The Role of Society and Interdisciplinary Collaboration. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Abdullah Alsalem University .. Nontraditional University. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Restricted Education. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Open Data ... A Weapon to Protect the Public Interest. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Violating Privacy in the Name of Democracy. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. The Dream of Endowment Universities. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Consult for Success. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Consult for Success. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Programming in the Young Age. In: *AlQabas Newspaper*. Kuwait; 2020.
- Alhuwail D. Don't Leave Anyone Between Zero and One. In: *AlQabas Newspaper*. Kuwait; 2020.
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## COURSES TAUGHT

### *Kuwait University*

#### GRADUATE

- Fall 2024/2025 – MSCIS 511 – Information Systems Infrastructure.
- Fall 2023/2024 – MSCIS 511 – Information Systems Infrastructure.
- Fall 2022/2023 – MSCIS 511 – Information Systems Infrastructure.
- Fall 2020/2021 – MSIT 505 – Research Methodology and Seminar.
- Spring 2018/2019 – MSCIS 580 – Health Informatics.

#### UNDERGRADUATE

- Fall 2024/2025 – CLS 135 – Leadership Development.
- Fall 2024/2025 – CLS 130 – Ethics and Practices.
- Summer 2023/2024 – CLS 130 – Ethics and Practices.
- Spring 2023/2024 – CLS 109 – Statistics.
- Spring 2023/2024 – CLS 161 – Introduction to Entrepreneurship.
- Spring 2023/2024 – CLS 135 – Leadership Development.
- Fall 2023/2024 – ISC 105 – Computers and Society.
- Fall 2022/2023 – CLS 161 – Introduction to Entrepreneurship.
- Summer 2021/2022 – CLS 135 – Leadership Development.
- Spring 2021/2022 – CLS 135 – Leadership Development.
- Fall 2021/2022 – ISC 331 – Information Systems Theory and Practice.

- **Summer 2020/2021** – ETM 450 – Application of Information Systems in Environmental Technology.
- **Spring 2020/2021** – CLS 130 – Ethics and Practices.
- **Spring 2018/2019** – CLS 130 – Ethics and Practices.
- **Fall 2018/2019** – ISC 475 – Geographical Information Systems.
- **Fall 2018/2019** – ETM 450 – Application of Information Systems in Environmental Technology.
- **Spring 2017/2018** – ISC 380 – Introduction to Management Information Systems.
- **Spring 2017/2018** – ETM 450 – Application of Information Systems in Environmental Technology.
- **Fall 2017/2018** – ISC 100 – Fundamentals of Personal Computers.
- **Fall 2017/2018** – ISC 380 – Introduction to Management Information Systems.
- **Summer 2016/2017** – CLS 130 – Ethics and Practices.
- **Spring 2016/2017** – ETM 450 – Application of Information Systems in Environmental Technology.
- **Spring 2016/2017** – ISC 380 – Introduction to Management Information Systems.
- **Fall 2016/2017** – CLS 130 – Ethics and Practices.
- **Fall 2016/2017** – ISC 101 – Introduction to Information Systems.

*University of Dundee*

- **Fall 2017/2018** – GM51070 – Health Informatics Foundations.

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