Academic Resume

Arwa Jamjoom

Associate Professor, Information Systems Department

Contact Information.

Room 138, ajamjoom@kau.edu.sa.

Highest Degree.

2011, Ph.D. in Computer Science, Transitioning a Clinical Unit to a Data Warehouse, University of Surrey, UK.

Academic and Professional Experiences.

1. **2018 - Present**
    Associate Professer, FCIT, KAU, , .
2. **2013 - 2020**
    Vice Director of Center of Teaching and Learning Development, KAU, Deanship of Development, KAU.
3. **2011 - 2018**
    Assistant Professor, FCIT, KAU.
4. **2011 - 2018**
    Director on the Internet Unit, Center for Teaching and Learning Development, KAU.
5. **2000 - 2003**
    Director, Computer Center (Female Campus), KAU.
6. **1997 - 2011**
    Lecturer, FCIT, KAU.
7. **1993 - 1995**
    Teacher Assistant, FCIT, KAU.

Research Interests.

Data Analytics, Data Visualization, Business Data Analytics, Decision Support System.

Teaching Interests.

Data Analytics, Decision support system, Data Science.

Certifications and Trainings.

1. Data Science and Big Data Analytics, EMC2 Education Service.
2. How things are made smart(er) Part-1, First EAI Conference on Smart Societies Infrastructure, Technologies, and Applications, SCITA Nov 2017.
3. Workshop on Data Analysis using Data Warehousing / Mining, FCIT, KAU.
4. Workshop on Modeling and Simulation, FCIT,.
5. TDWI Business Intelligence Principles and Practices, Business Intelligence Architecture: Principles of BI Design, Big Data Fundamentals: Creating Value from Non-Traditional Data Sets, Predictive Analytics Fundamentals, Harness the Power of &quot;What-If&quot; Analytics - Shaping Your Future with Simulation, TDWI World Conference.
6. Saudi Association for Health Informatics Conference (SAHI), Riyadh.
7. Total Leader, LMI.
8. Successful completion of “Data Science Bootcamp”, ScholarsPro, Community College, Princess Noura bint Abdulrahman University.

Social, Scientific and Professional Affiliation.

1. 2009-Present, Member, SAHI.
2. 2008-Present, Member, TDWI.
3. 2003-Present, Member, IEEE.

Last Profile Update: January 11, 2023

Publications.

1. Suhair Alshehri, Omaima Bamasag, Daniela Alghazzawi, "Dynamic Secure Access Control And Data Sharing Through Trusted Delegation And Revocation In A Blockchain-Enabled Cloud-Iot Environment", Ieee Internet Of Things, 2022.

2. Dimah Hussein Alahmadi, "Decision Support System For Handling Control Decisions And Decision-Maker Related To Supply Chain", Journal Of Big Data, 2022.

3. Arwa A Jamjoom, "The Use Of Knowledge Extraction In Predicting Customer Churn In B2b", Springer Open, 2021.

4. Manal A. Alyobi, Arwa A Jamjoom, "A Visualization Framework For Post-Processing Of Association Rule Mining", Transactions On Machine Learning And Data Mining, Vol. 13, No. 2, 2020.

5. Amin Y. Noaman, Abdul Hamid M. Ragab, Nabeela Al-Abdullah, Arwa Jamjoom, Farrukh Nadeem and Anser G. Ali, "Predicting And Reducing Hospital-Acquired Infections Using A Knowledge-Based E-Surveillance System", Wiley Expert Systems, 2019.

6. Amin Y. Noaman, Nabeela Al-Abdullah, Arwa Jamjoom, Abdul Hamid M. Ragab, Farrukh Nadeem, and Anser G. Ali, "Knowledge Based E-Health Surveillance System For Predicting Hospital Acquired Infections", 42nd Ieee International Conference On Computer Software &Amp;Amp; Applications, 2018.

7. Amin Y. Noaman, Farrukh Nadeem, Abdul Hamid M. Ragab, Arwa Jamjoom, Nabeela Al-Abdullah, Mahreen Nasir, and Anser G. Ali, "Improving Prediction Accuracy Of Central Line-Associated Blood Stream Infections Using Data Mining Models", Biomed Research International, 2017.

8. Arwa A Jamjoom, "A Proposed Simulation Model For Optimizing The Traffic Flow From Arafat To Muzdalifah", European Journal Of Computer Science And Information Technology, 2017.

9. Arwa A Jamjoom, "Implementation Of A Simulation Model For Optimizing The Traffic Flow From Arafat To Muzdalifa", European Scientific Journal, 2017.

10. Manal Abdullah, Maysoon Abulkhair, Thoria Alghamdi, Aisha Mogbil, "Improving Outpatient Waiting Time Using Simulation Approach", Uksim-Amss 8th European Modelling Symposium, 2014.

11. B.K. Choi, H. Kim, D. Kang, A.A. Jamjoom, A.M. Mogbil, "Parameterized Modeling Of Outpatient Departments In University Hospitals", 28th European Simulation And Modeling Conference, 2014.

12. Arwa Jamjoom, Manal Abdullah, Maysoon Abulkhair, Thoria Alghamdi, Aisha Mogbil, "Improving Outpatient Waiting Time Using Simulation Approach", Uksim-Amss 8th European Modelling Symposium, 2014.

13. B.K. Choi, H.S. Kim, D. Kang, A.A. Jamjoom, M.A. Abdullah, "Parameterized Acd Modeling Of Flexible Manufacturing Systems", Ieee Transactions On Automation Science And Engineering, 2014.

14. Arwa Jamjoom, Manal Abdullah, Maysoon Abulkhair, Thoria Alghamdi, Aisha Mogbil, "Improving Outpatient Waiting Time Using Simulation Approach", 2014 European Modelling Symposium (Ems), pp. 117-125, 2014.
    DOI: 10.1109/EMS.2014.85

15. B.K. Choi, D.H. Kang, J.H. Kong, H.S. Kim, A. A. Jamjoom, A.M. Mogbil, T.A. Alghamdi, "Simulation-Based Operation Management Of Outpatient Departments In University Hospitals", Wsc ''13 Proceedings Of The 2013 Winter Simulation Conference: Simulation, 2013.

16. Byoung K. Choi, Donghun Kang, Taesik Lee, Arwa A. Jamjoom, Maysoon F. Abulkhair, "Parameterized Activity Cycle Diagram And Itsapplication", Acm Transactions On Modeling And Computer Simulation, 2013.

17. Arwa Jamjoom, "Developing E-Business Strategies Curriculum Case Study In The Information Systems Department", , vol: 4 No. 2, pp. 1-7, 2012.