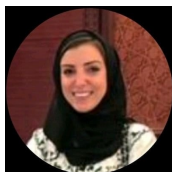# Academic Resume

Arwa Allinjawi

Associate Professor, Computer Science Department

Vice Dean -Faculty of Engineering- Girls Campus

Contact Information.

Building 64, Room Vice Dean Office, Add. Faculty of Engineering, aallinjawi@kau.edu.sa.

Highest Degree.

2014, Ph.D, Visualization - Human computing interaction - Education, University of Surrey, UK.

Academic and Professional Experiences.

1. **2023 - Present**
   Vice Dean, Faculty of Engineering, King Abdulaziz University.
2. **2022 - 2023**
   ?Director of the Development and Quality Unit at FCIT, Faculty of Computing and Information Technology, King Abdulaziz University.
3. **2020 - 2022**
   Member of the sub-committee to the institutional accreditation, , King Abdulaziz University, Jeddah, Saudi Arabia., Jeddah, King Abdulaziz University.
4. **2019 - 2022**
   Member of the Executive Committee for Preparatory Year Affairs at the Girls Section, King Abdulaziz University, Jeddah, Saudi Arabia., Jeddah, King Abdulaziz University.
5. **2019 - 2019**
   Head of committee of reception of graduates of the graduation ceremony for the academic year 1439/1440H at King Abdulaziz University., , .
6. **2015 - Present**
   Member at the Executive committee of Affiliation, Freshmen year and Distance Learning, Jeddah, King Abdulaziz University..
7. **2015 - 2022**
   Deputy General Supervisor Administration of Academic Services, Jeddah, Saudi Arabia, King Abdulaziz University.
8. **2015 - 2017**
   Member at committee of identifying paths and quality of graduation projects., Jeddah, Saudi Arabia, Computer Science, College of Computing and Information Technology, KAU,.
9. **2015 - 2017**
   Head at Social committee of Student???s Activities female campus at King Abdulaziz University, , .
10. **2014 - 2020**
    Assistant professor Faculty of Computer Science and Information Technology, Computer Science Department., Jeddah, Saudi Arabia, King Abdulaziz University.

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Academic and Professional Experiences.

11. **2014 - 2015**
Supervisor of Academic Advisors at Computer science department, the Faculty of Computing & Information Technology at King Abdulaziz University, , .

12. **2010 - 2010**
Member at the exam's preparation of course CPIT100 Committee at King Abdulaziz University, , .

13. **2010 - 2010**
Member at the preparation and correction of exams Committee for the functions of the Executive Secretariat of the Ministry of Foreign Affairs, , .

14. **2008 - 2008**
Member at committee of organizing Research Process Workshop. Proceeding of First Academic Symposium of Computer Science, College of Computing and Information Technology, KAU, Jeddah, Saudi Arabia., , .

15. **2007 - 2014**
Lecturer Faculty of Computer Science and Information Technology, Computer Science Department. King Abdulaziz University Jeddah, Saudi Arabia, , .

16. **2000 - 2007**
Head of The Computer Science department scheduling committee at King Abdulaziz University, , .

17. **2000 - 2006**
Teacher Assistance Faculty of Science, Computer Science Department King Abdulaziz University Jeddah, Saudi Arabia, , .

18. **1999 - 2000**
Administrator Faculty of Science, Computer Science Department King Abdulaziz University Jeddah, Saudi Arabia, , .

Research Interests.

Adaptive E-learning systems, Gamification, Human computing interaction, Improving educational methods of Computer Science., Visualization.

Teaching Interests.

Programming, Research Methods, Human computer Interaction, User Experience, Teaching and Learning Strategies, Leadership.

Certifications and Trainings.

1. Scholarship Course. Center for Teaching and Learning Development in KAU..
2. How to structure and design effectively your teaching course. The Deanship of Distance Learning in KAU..
3. Scholarship Course. Center for Teaching and Learning Development in KAU..
4. Graduate Preparation Program . Center for Teaching and Learning Development in KAU..
5. Thesis writing retreat for part time/distance PGRS workshop . Surrey University in UK.
6. Motivation and Engagement for Academic Leaders. Academic Leadership Center. Ministry of Education.
7. Train the Trainers . Center for Teaching and Learning Development in KAU.
8. Personal Strategy and Productivity. Effective Academic Leader Program. Accreditation and Development Consultancy at KAU.
9. Quality and Effective Learning with Formal and Non-Formal Learning . Center for Teaching and Learning Development in KAU.
10. Online Assessment Tools (E-Exams) and Learning Analytics. Center for Teaching and Learning Development in KAU.
11. Viva examination workshop. Surrey University in UK..
12. A+(Software and Hardware). New Horizons Computer Learning Center. Jeddah.
13. Using E-learning System EMES and Virtual Classes System . The Deanship of Distance Learning in KAU..
14. Thinking Based Learning. Center for Teaching and Learning Development in KAU..
15. Diploma in Professional Development in Teaching and Learning. Center for Teaching and Learning Development in KAU.
16. Women Leadership in Higher Education. Academic Leadership Center. Ministry of Education.
17. Preparation of Academic Promotion File. Center for Teaching and Learning Development in KAU.
18. Leading and Empowering Team Members. Effective Academic Leader Program. Accreditation and Development Consultancy at KAU.
19. Technology in Education. Center for Teaching and Learning Development in KAU.
20. Beginning & intermediate HTML . New Horizons Computer Learning Center. Jeddah.
21. How to create effective presentation for seminar Lecture. Center for Teaching and Learning Development in KAU..
22. Effective Presentation Skills. Center for Teaching and Learning Development in KAU..
23. Decision Making and Problem Solving. Academic Leadership Center. Ministry of Education.
24. Research, Publications and Awards. Center for Teaching and Learning Development in KAU.
25. Advance course Training in The Application of the NCAAA National Qualifications Framework to Teaching Learning and Assessment. International Continuing Professional Development Programme, cooperation with University College Cork and KAU.
26. Leadership Skills. Effective Academic Leader Program. Accreditation and Development Consultancy at KAU.
27. Workshop on activate documented idea of Prince Abdullah bin Abdul Aziz on Higher Education.KAU.
28. Graduate Preparation Program . Center for Teaching and Learning Development in KAU..
29. Research methodology. Center for Community Service and Continuing Education..
30. BlackBoard Essential Training- Distance Education . The Deanship of Distance Learning in KAU.
31. Effective Learning . Center for Teaching and Learning Development in KAU..
32. The Essential Academic Leader. Academic Leadership Center. Ministry of Education.
33. Designing, Writing and Assessing Effective Learning Outcomes. International Continuing Professional Development Programme, cooperation with University College Cork and KAU.
34. How things are made smart(er) [Part1]. First EAI Conference on Smart Societies Infrastructure, Technologies, and Application (SCITA2017). HPC Center . KAU.
35. Strategic Leadership. Effective Academic Leader Program. Accreditation and Development Consultancy

Certifications and Trainings.

at KAU.

36. Conflict Management in Academic Environment. Effective Academic Leader Program. Accreditation and Development Consultancy at KAU.
37. Principles of Academic Leadership . Effective Academic Leader Program. Accreditation and Development Consultancy at KAU.
38. Support scientific research and launch of the cloud computing community initiative. Cloud Computing Community Saudi.
39. Academic Transformation Leadership (90 training Hours) as a part of the project “Academic Leader”. Accreditation and Development Consultancy at KAU.
40. Interactive Video Application.The Deanship of Distance Learning in KAU.
41. Effective Personal Productivity. Leadership Management International, INC..
42. Effective Personal Leadership. Leadership Management International, INC..
43. Philosophical thinking in Higher Education .. Is it Time?. Center for Teaching and Learning Development in KAU.
44. The Training Boot Camp of Academic Transformation Leadership Program as a part of the project ???Academic Leader???.
45. How to be An Effective PhD Supervisor.
46. Artificial Intelligent . The Deanship of e-learning and Distance education in KAU.
47. Designing effective assessment. Center for Teaching and Learning Development in KAU.
48. Effective Strategic Leadership. Leadership Management International, INC..
49. Effective Motivational Leadership. Leadership Management International, INC...
50. Machine Learning . Faculty of Computing and Information Technology.

Social, Scientific and Professional Affiliation.

1. 2018-2020, Certified Trainer., Accreditation and Development Consultancy at KAU..

Excellence Awards and Patents.

1. 2016, Interior, Excellence in Blackboard Champion Award., E-learning Horizons Forum By King Abdulaziz University.
2. 2018, International, Best Paper Award in ICELSE2019: International Conference on E-Learning and Software for Education. Paper: The Impact of Gamification on Self-Assessment for English Language Learner in Saudi Arabia., ICELSE2019.
3. 2016, Interior, Project (OOPVisual) of group work - first place,, The Innovation Category of Saudi National Finals for Image Cup 2016..
4. 2016, Interior, Awarded Certificate of Achievement: (he Diploma of Professional Development in Teaching and Learning), Center for Teaching and Learning Development in King Abdulaziz University. Jeddah Kingdom of Saudi Arabia..
5. 2017, Interior, Project (PROGATAR: Learning Programming via an Avatar for Deaf Students); won the 10th place, The Dell EMC 2017 Envision the Future, Regional Graduation Project Competition..
6. 2018, Interior, Project Gamical: Simulating Medical Module using Gamifiaction approach of group work won the first place, The innovation Category   at Multaka Makkah launched by KAUST. . Jeddah Kingdom of Saudi Arabia. 2018.

Publications.

1. Allinjawi Arwa, Altuwairqi Khawlah, Kammoun Jarraya Salma, Abuzinadah Nihal, Alkhuraiji Samar, "Cnn-Based Face Emotion Detection And Mouse Movement Analysis To Detect Student&Rsquo;S Engagement Level", vol: 637, pp. 604-626, 2023.
   DOI: 10.1007/978-3-031-26384-2_53

2. Enas Sarour, Arwa Allinjawi, Sara Alyahiwi, Ola Albeshri, Joseph Alexander Brown, "Can We Enhance Respectful Behaviors Toward Parents With Gamification? An Observational Study Of Gamification Elements And Child Attitudes Toward Parents", International Journal Of Computer Games Technology, vol: 2023, pp. 1-11, 2023.
   DOI: 10.1155/2023/5348324

3. Shoroog Ghazee Khenkar, Salma Kammoun Jarraya, Arwa Allinjawi, Samar Alkhuraiji, Nihal Abuzinadah, Faris A. Kateb, "Deep Analysis Of Student Body Activities To Detect Engagement State In E-Learning Sessions", Applied Sciences, vol: 13, pp. 2591, 2023.
   DOI: 10.3390/app13042591

4. Wala Bagunaid, Maram Meccawy, Zilal Meccawy, Arwa A. Allinjawi, "Tracking English Language Learners'''' Progress Through A Gamified Social Visualisation Tool To Increase Motivation And Performance", International Journal Of Technology Enhanced Learning, vol: 14, pp. 286, 2022.
   DOI: 10.1504/IJTEL.2022.123652

5. Amal Alasmari, Areej Alhothali, Arwa Allinjawi, "Hybrid Machine Learning Approach For Arabic Medical Web Page Credibility Assessment", Health Informatics Journal, vol: 28, pp. 146045822110709, 2022.
   DOI: 10.1177/14604582211070998

6. Khawlah Altuwairqi, Salma Kammoun Jarraya, Arwa Allinjawi, Mohamed Hammami, "Student Behavior Analysis To Measure Engagement Levels In Online Learning Environments", Signal, Image And Video Processing, vol: 15, pp. 1387-1395, 2021.
   DOI: 10.1007/s11760-021-01869-7

7. Sultanah Mohammed Alshammari, Mohammed Hassan Ba-Aoum, Nofe Ateq Alganmi, Arwa AbdulAziz Allinjawi, "Agent-Based Simulation Framework For Epidemic Forecasting During Hajj Seasons In Saudi Arabia", Information, vol: 12, pp. 325, 2021.
   DOI: 10.3390/info12080325

8. Nihal Abuzinadah, Areej Malibari. Arwa Allinjawi, Paul Kruase, "Learning Programming For Hearing Impaired Students Via An Avatar", International Journal Of Educational And Pedagogical Sciences, 2020.

9. Arwa Allinjawi, "Usability Testing For Oop Visual A 3d Interactive Programming Learning Tool", International Journal Of Advanced Science And Technology, 2019.

10. Arwa Allinjawi, "Car: A Mobile Application Using Augmented Reality To Assist In Learning Traffic Signs", International Journal Of Advanced Science And Technology, 2019.

11. Arwa Allinjawi. Khulood Hussein, "Gamical: Simulating Medical Module Using Gamification Approach", International Journal Of Advanced Science And Technology, 2019.

12. Walaa Bagunaid, Maram Meccawy, Arwa Allinjawi, Zilal Meccawy, "The Impact Of Gamification On Self-Assessment For English Language Learners In Saudi Arabia", International Journal Of Social, Behavioral, Educational, Economic, Business And Industrial Engineering, 2019.

13. Hassanin M. Al-Barhamtoshy, Nihal E. Abuzinadah, Ahmed 3,, Tarik F. 4,, Areej A. 5 and, Arwa A. Allinjawi, "Development Of An Intelligent Arabic Text Translation Model For Deaf Students Using State Of The Art Information Technology", Bioscience Biotechnology Research Communications, vol: 12, pp. 338-345, 2019.
    DOI: 10.21786/bbrc/12.2/17

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Publications.

14. Khawlah Altuwairqi, Salma Kammoun Jarraya, Arwa Allinjawi, Mohamed Hammami, "A New Emotion???Based Affective Model To Detect Student???S Engagement", Journal Of King Saud University - Computer And Information Sciences, 2018.
    DOI: 10.1016/j.jksuci.2018.12.008

15. Arwa Allinjawi, Amjad Alsulami, Yasmeen Alsaedy, Khulood Hussein, "Proposing An Adaptive E-Learning System Using Learners??? Knowledge In Simulating Medical Module", 2018 Ieee/Acis 17th International Conference On Computer And Information Science (Icis), pp. 45-50, 2018.
    DOI: 10.1109/ICIS.2018.8466514

16. Wejdan Eissa Moussa, Raniyah Mutlaq Almalki, Maryam Abdulrahman Alamoudi, Arwa Allinjawi, "Developing A 3d Interactive Tool For Learning Oop Concepts", Proceeding Of Iafor - The International Academic Forum. Kobe, Japan, 2016.

17. Wejdan Eissa Moussa, Raniyah Mutlaq Almalki, Maryam Abdulrahman Alamoudi, Arwa Allinjawi, "Proposing A 3d Interactive Visualization Tool For Learning Oop Concepts", 2016 13th Learning And Technology Conference (L&T), pp. 1-7, 2016.
    DOI: 10.1109/LT.2016.7562861

18. Arwa A. Allinjawi, Hana A. Al-Nuaim, Paul Krause, "Evaluating The Effectiveness Of A 3d Visualization Environment While Learning Object Oriented Programming", Journal Of Information Technology And Application In Education (Jitae),3(2), 47-56,, 2014.

19. Arwa A. Allinjawi, Hana A. Al-Nuaim, Paul Krause, "An Achievement Degree Analysis Approach To Identifying Learning Problems In Object-Oriented Programming", Acm Transactions On Computing Education, vol: 14, pp. 1-15, 2014.
    DOI: 10.1145/2648794

20. Arwa Allinjawi, Paul Krause, Lilian Tang, Hana Alnuaim, "On Experimental Design For Diagnosing Student Learning Problems In Higher Education", The Fecs11 - The 2011 International Conference On Frontiers In Education: Computer Science And Computer Engineering.Monte Carlo Hotel, Las Vegas, Usa, 2011.

21. Hana Alnuaim, Tang L, Dr. Lilian Tang, Arwa Allinjawi, Prof. Paul Krause, Krause P, "Diagnosing Student Learning Problems In Object Oriented Programming", , vol: 2/10, pp. 858-865, 2011.

22. Arwa Al-Linjawi, Hana Al-Nuaim, "Using Alice To Teach Novice Programmers Oop Concepts", Journal Of King Abdulaziz University-Science, vol: 22, pp. 59-68, 2010.
    DOI: 10.4197/Sci.22-1.4

23. Arwa Allinjawi, Hana Alnuaim, "Using A 3d Visualization Tool For Teaching Programming Concepts", Proceeding Of The 3th Mosharaka International Conference On Communication, Computers And Applications (Mic-Cca), Days Inn, Amman, Jordan, 2009.

24. Arwa Allinjawi, Hana Alnuaim, "Using Alice To Teach Novice Programmers Oop", Proceeding Of 6th Learning And Technology Symposium Cyber Citizenship, Effat College, Jeddah, Saudi Arabia, 2008.