Academic Resume

Hind Bitar

Associate Professor, Information Systems Department

Hind Bitar is an Associate Professor at the Information Systems Department, FCIT, King Abdulaziz University in Jeddah, Saudi Arabia. She obtained her undergraduate degree in Computer Science (Umm Al-qura university, SA, 2008). She earned her master's degree in information systems from University of Maryland Baltimore County (UMBC), US in 2014. Dr. Bitar received her Ph.D. in Information Systems and Technology, health informatics (Claremont Graduate University (CGU), USA, 2018).

Contact Information.

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Highest Degree.

2018, Ph.D, Information Systems and Technology , Claremont Graduate University (CGU), USA.

Academic and Professional Experiences.

1. **2022 - 2023**
   The Editor of the Information Systems department Newsletter, FCIT/IS, KAU.
2. **2021 - 2023**
   The director of the Executive Master in the Information Systems program (Female section), FCIT, KAU.
3. **2021 - 2022**
   The coordinator of the CPIS 250 course, IS Department, KAU.
4. **2020 - 2020**
   Makkah Digital Gateway Initiative for Research and Innovation (Judged/Reviewer), KAU, KAU.
5. **2019 - Present**
   Summer Training Coordinator, FCIT-IS, KAU.
6. **2019 - 2020**
   Manager of the FCIT Sports Committee, , .
7. **2016 - 2017**
   Member in the Social Learning Software Lab, USA, Claremont Graduate University (CGU).
8. **2009 - 2023**
   Teaching Assistant then Assistant professor, KING ABDULAZIZ UNIVERSITY, Jeddah, Saudi Arabia, FCIT/IS, KAU.
9. **2008 - 2009**
   Teacher, Ministry of Education, Jeddah, Saudi Arabia, , .

Research Interests.

Energy Informatics, Geographic Information Systems (GIS) and Geoinformatics, Increase Awareness, Information Seeking, Mobile Computing, Health Informatics.

Teaching Interests.

Information Risk Management and Compliance, Nursing Informatics, Software Engineering, Research Methods, Introduction to Software Project Management, Programming and Problem-Solving, Software Quality and Testing, Human Computer Interaction (HCI), Information Systems Development, Enterprise Architecture: Concepts and Practice.

Certifications and Trainings.

1. Attended the Workshop Titled Introduction to Academic Leadership.
2. Completed and pass the Diploma 10th of Professional Development in Teaching and Learning (from KAU).
3. Attended the training program in (Analysis of LMS big data).
4. Attended the Data Science Bootcamp that held from 08th - 10th November.
5. Attended a workshop during the quality week event at King Abdul-Aziz.
6. Attended a workshop during the quality week event at King Abdul-Aziz University (KAU) that titled How to Write Multiple Choices Questions MCQs.
7. Get a certificate from CISCO Networking Academy that titled Get Connected.
8. Get a Certificate of Attendance for an online training on Web of science.
9. Get a certificate of completion from NIDA Clinical Trials Network and GOOD CLINICAL PRACTICE.
10. Attending an online training on Questionmark platform (from KAU).
11. Attending the Symposium of Identifying the Impact of AI on Academia and Job Market.
12. Apple Certified on Swift (Trainer).
13. Predictive Analytics Modeler Certificate.

Social, Scientific and Professional Affiliation.

1. -, First Class Honors, B.A. in Computer Science, Umm Al-Qura University.

Excellence Awards and Patents.

1. 2019, Interior, Getting a second place in the emerging entrepreneurial projects- 11th scientific forum by King Abdulaziz University (KAU) for a project titled asmeany AN Android Application for Deaf and Hearing-Impaired People, KAU.

Funded Projects.

1. 2020, Getting a grant from King Abdulaziz University (KAU) for a research titled Understanding HPV Facts Transmission Theorizing about the Problem and the Solution, KAU, ..
2. 2020, Getting a grant from King Abdulaziz University (KAU) for a research titled Using Geo Intelligence Techniques to Develop A Personalized Awareness Campaign to Contain the Covid-19 Virus in Saudi Arabia, KAU, Published Two Research Papers as a co-investigator, Second Author.
3. 2022, Getting a grant from King Abdulaziz University (KAU) for research entitled Exploring enablers and inhibitors of eHealth educational tools: The needs of women searching for HPV and cervical cancer information, KAU, Published a research study entitled Exploring enablers and inhibitors of eHealth educational tools: The needs of women searching for HPV and cervical cancer information (PI-First Author).
4. 2021, Getting a grant from King Abdulaziz University (KAU) for research entitled BeAwareStopHPV: A

Consumer-Focused, Theory-driven, Educational Web-Based System for women living in Saudi Arabia, KAU, Published a research study entitled BeAwareStopHPV: Design and Usability of a Consumer-Focused Educational Web-Based System for Women Living in Saudi Arabia,First Author-PI.

5. 2020, Getting a grant from King Abdulaziz University (KAU) for research entitled Using a Deep Learning Technique to Increase women Awareness about HPV: A Quantitative Case Study, KAU, Published a research study entitled Increasing Women Knowledge about HPV Using BERT Text Summarization: An Online Randomized Study, First Author-PI.

Publications.

1. Ohoud ALZAMZAMI, Sumaiya ALI, Widad ALKIBSI, Ghaidaa KHAN, Amal BABOUR, Hind BITAR, "Smart Fitting: An Augmented Reality Mobile Application For Virtual Try-On", Romanian Journal Of Information Technology And Automatic Control, 2023.

2. Athir S Alghamdi, Hind H Bitar, "The Positive Impact Of Gamification In Imparting Nutritional Knowledge And Combating Childhood Obesity: A Systematic Review On The Recent Solutions", Digital Health, vol: 9, pp. 205520762311543, 2023.
   DOI: 10.1177/20552076231154380

3. Amal Babour, Hind Bitar, Ohoud Alzamzami, Dimah Alahmadi, Amal Barsheed, Amal Alghamdi, and Hanadi Almshjary, "Intelligent Gloves: An It Intervention For Deaf-Mute People", Journal Of Intelligent Systems, 2022.

4. Hind Bitar, Sarah Alismail, "Exploring Enablers And Inhibitors Of Ehealth Educational Tools: The Needs Of Women Searching For Hpv And Cervical Cancer Information", Digital Health, vol: 8, pp. 205520762211301, 2022.
   DOI: 10.1177/20552076221130189

5. Lujen Babunji, Shahad Alzahrani, Shada Almarghalani, Amal Babour, Hind Bitar, "Internet Service Evaluation System: A Design Science Research", Ijcsns International Journal Of Computer Science And Network Security, 2022.

6. Adel Bahaddad, Hind Bitar, "Digital Transformation In Summer Training Process At King Abdulaziz University: Action Design Research In Practice", Ijcsns International Journal Of Computer Science And Network Security, 2022.

7. Ghada Amoudi, Bushra Alsaadi, Bashaer Alsaadi, Hind Bitar, "Core-Periphery Detection Of Health Message Campaign On Social Media During Covid-19", Journal Of King Abdulaziz University Computing And Information Technology Sciences, 2022.

8. Mayda Alrige, Hind Bitar, Maram Meccawy, Balakrishnan Mullachery, "Utilizing Geospatial Intelligence And User Modeling To Allow For A Customized Health Awareness Campaign During The Pandemic: The Case Of Covid-19 In Saudi Arabia.", Journal Of Infection And Public Health, 2022.
   DOI: 10.1016/j.jiph.2022.08.018

9. Hind Bitar, Amal Babour, Fatema Nafa, Ohoud Alzamzami, Sarah Alismail, "Increasing Women'S Knowledge About Hpv Using Bert Text Summarization: An Online Randomized Study", International Journal Of Environmental Research And Public Health, vol: 19, pp. 8100, 2022.
   DOI: 10.3390/ijerph19138100

10. Hind Bitar, Sarah Alismail, "Beawarestophpv: Design And Usability Of A Consumer-Focused Educational Web-Based System For Women Living In Saudi Arabia", Dsic 2021: Digital Science Conference, 2022.

11. Vivian Sultan, Hind Bitar, Ahmed Omar Alzahrani, "A Research Framework For Grid Benefits From Energy Storage", International Journal Of Advanced And Applied Sciences, vol: 9, pp. 53-61, 2022.
    DOI: 10.21833/ijaas.2022.04.007

12. Hind BITAR, Ayman ALFAHID, Mayda ALRIGE, Wed ABOGAZAH, Noura ALSANBI, "Ana Alsukary: An Android Mobile Application To Support Diabetic Children And Parents In Saudi Arabia", Revista Rom&Amp;Acirc;N? De Informatic? ?I Automatic?, vol: 32, pp. 73-86, 2022.
    DOI: 10.33436/v32i1y202206

13. Dimah Alahmadi, Hind Bitar, Hana ALsaadi, Lamees Boker, Linah Alghamdi, "Using Augmented Reality To Enhance Medical Education In Heart Diseases: Action Design Research", Tem Journal, pp. 1141-1148, 2021.
    DOI: 10.18421/TEM103-18

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Publications.

14. Hind Bitar, Sarah Alismail, "The Role Of Ehealth, Telehealth, And Telemedicine For Chronic Disease Patients During Covid-19 Pandemic: A Rapid Systematic Review", Digital Health, vol: 7, pp. 205520762110093, 2021.

    DOI: 10.1177/20552076211009396

15. Mayda Alrige, Hind Bitar, Waad Al-Suraihi, Kholoud Bawazeer, Ekram Al-Hazmi, "Microworld: An Augmented-Reality Arabian App To Learn Atomic Space", Technologies, vol: 9, pp. 53, 2021.

    DOI: 10.3390/technologies9030053

16. Mayda Alrige, Hind Bitar, Joud Aljaeed, Somaiah Alasmari, "Turbine Recommender: The Selection Of Wind Turbine Type Using One Of A Machine Learning Technique", International Journal Of Advanced And Applied Sciences, vol: 9, pp. 119-127, 2021.

    DOI: 10.21833/ijaas.2022.02.013

17. Ayman Alfahid, Hind Bitar, Mayda Alrige, Hend Abeeri, Eman Sulami, "Doitright: An Arabic Gamified Mobile Application To Raise Awareness About The Effect Of Littering Among Children", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.

    DOI: 10.14569/IJACSA.2021.0121220

18. Mayda Alrige, Hind Bitar, Maram Meccawy, "Promoting Precautionary Behavior During The Covid-19 Pandemic: Development And Validation Of A Behavior-Change Messaging Campaign", Journal Of Infection And Public Health, 2021.

    DOI: 10.1016/j.jiph.2021.09.026

19. Hind BITAR, Ghada AMOUDI, Reem ALSULAMI, Samar ALAHMADI, "Building And Evaluating An Android Mobile App For People With Hearing Disabilities In Saudi Arabia To Provide A Real-Time Video Transcript: A Design Science Research Study", Revista RomÂN? De Informatic? ?I Automatic?, vol: 31, pp. 109-122, 2021.

    DOI: 10.33436/v31i3y202109

20. Hind Bitar, Terry Ryan, and Sarah Alismail, "The Effect Of Implementing An Sms Messaging System To Overcome The Lack Of Transmission Of Hpv Facts In Saudi Arabia, In Proceedings Of The 53rd Hawaii International Conference On System Sciences", 0, 2020.

21. Bitar, H., and Ryan, T., "Designing Technology To Overcome The Lack Of Transmission Of Hpv Facts: Step One- A Theory Of The Problem.", In Proceedings Of The 51st Hawaii International Conference On System Sciences, 2018.

22. Alismail, S., Bitar, H., and Ramani, S., "How To Motivate Adults To Check For Alzheimers Disease (Ad) Using Three Types Of Triggers", In Proceedings Of The 50th Hawaii International Conference On System Sciences, 2017.

23. Sultan, v., Bitar, H., Alzahrani, A., Hiltona B., "A Conceptual Framework To Integrate Electric Vehicles Charging Infrastructure Into The Electric Grid", International Journal Of Smart Grid And Clean Energy, 6(3), 207-220., 2017.

24. Sultan, V., Alzahrani, A., Bitar, H., and Hilton, B., "A Conceptual Framework For Battery Storage Integration Into The Electric Grid", In 2017 International Conference On Computational Science And Computational Intelligence (Csci), (Pp. 161-167). Ieee.&Amp;Rlm;, 2017.

25. Sultan, V., Alzahrani, A., Bitar, H., and Alharbi, N., "Is California Aging Infrastructure The Principal Contributor To The Recent Trend Of Power Outage?", Journal Of Communication And Computer, 13, 225-233.&Amp;Amp;Rlm;, 2016.

26. Sultan, V., and Bitar, H., "Geographic Decision Support Systems To Optimize The Placement Of Distributed Energy Resources", 4th International Symposium On Computational And Business Intelligence As A Full Complete Paper, 2016.

27. Sultan, V., and Bitar, H., "Geographic Decision Support Systems To Optimize The Placement Of Distributed Energy Resources", Amcis 2016 As An Emerging Paper, 2016.

Publications.

28. Bitar, H. and Ward, P., "A Prototype For Alzheimer&Amp;Rsquo;S Disease Early Diagnosis To Assist Caregivers And Physicians", Amcis, 2016.