


Curriculum Vitae

Dr. Abdulrahman Khamaj	
Academic Rank Associate Professor	
Education	
<ul style="list-style-type: none">• Ph.D, Industrial and Systems Engineering, The University of Oklahoma,USA, (2018).• M.S, Industrial and Systems Engineering, The University of Oklahoma, USA, (2015).• B.S, Industrial Engineering, Jazan University, KSA, (2011).	
Academic Experience	
<ul style="list-style-type: none">• Jazan University, College of Engineering & Computer Science,Industrial Engineering Department , KSA, Assistant Professor, (2018 –Till now), Full time.• Jazan University, College of Engineering & Computer Science, Industrial Engineering Department, KSA, Lecturer, (2015 – 2018), Full time.• Jazan University, College of Engineering& Computer Science, Industrial Engineering Department, KSA, Teaching Assistant , (2011 – 2015), Full time.	
Non-academic Experience	
<ul style="list-style-type: none">• Taha .MohMoh.Al-Safr, Jazan, Saudi Arabia, Project Administrator, 2009-2011. (Part Time).	
Current Membership in Professional Organizations	
<ul style="list-style-type: none">• Human Factors and Ergonomics Society (HFES).	
Honors and Awards	
<ul style="list-style-type: none">• First-Class Honor Award for achieving the highest GPA of 2011 class in the College of Engineering at Jazan University, Saudi Arabia.• Full Scholarship Award by Jazan University in 2011	
Recent Publications and Presentations	
<ol style="list-style-type: none">1. Khamaj, A., & Ali, A. M. (2024). Examining the usability and accessibility challenges in mobile health applications for older adults. Alexandria Engineering Journal, 102, 179-191.2. Khamaj, A., & Ali, A. M. (2024). Adapting user experience with reinforcement learning: Personalizing interfaces based on user behavior analysis in real-time. Alexandria Engineering Journal, 95, 164-173.3. Khamaj, A., Ali, A. M., Saminathan, R., & Shanmugasundaram, M. (2024). Human factors engineering simulated analysis in administrative, operational and maintenance loops of nuclear reactor control unit using artificial intelligence and machine learning techniques. Heliyon, 10.)104. Verma, A., Mitra, S., Khamaj, A., Kant, V., & Asthana, M. K. (2024). Preventing fear return in humans: Music-based intervention during reactivation-extinction paradigm. Plos one, 19(2), e0293880.	

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5. Abdelrazek, E. M., Bashir, W. A., Mathkor, D. M., Khamaj, A., Mohmed, S. A., Crisostomo, M. R., ... & Ahmed, M. A. (2024). Knowledge and attitudes of primary care nurses towards geriatric depression in Jazan Region, Saudi Arabia. *African Journal of Reproductive Health*, 28.(4)
6. Sridhar, S., Khamaj, A., & Asthana, M. K. (2023). Cognitive neuroscience perspective on memory: overview and summary. *Frontiers in Human Neuroscience*, 17, 1217093.
7. Ali, A. M., Khamaj, A., Kang, Z., Moosa, M., & Alam, M. M. (2023). User-centered design (UCD) of time-critical weather alert application. *International Journal of Advanced Computer Science and Applications*, 14(1)
8. Khamaj, A., (2022). Towards an enhanced user experience with critical system interfaces in middle-eastern countries: a case study of usability evaluation of Saudi Arabia's weather interface system (Arsad). *International Journal of Computer Applications in Technology*, 63(3).
9. Khamaj, A., Ali, A., & Alam, M., (2022). Investigating Factors Affecting Musculoskeletal Disorders: A predictive Model for Identifying Caregivers at Risk. *Work Journal*, 72(4), 1311-1320.
10. Khamaj, A., Moosa, M., Ali A., Ali A., Samy A., Abushaega, M. Studying the Effect of Ambient noise, Font size and Character type on Typing Performance on computers, (2022). *Journal of Jazan University*, 9(2), 41-60.
11. Abdelhalim Sami, Khamaj A, A M M Ibrahim, Ameer A. K., El-Abd A. H., (2022). Enhancing The Safety Of Epoxy Flooring Materials In Wet Working Condition. *Journal of King Abdulaziz University*, 32(1), 58-68.
12. Abushaega, M., Daehy, Y., Alghamdi, S., Krishnan, K., and Khamaj, A., (2021). Design of Supply Chain Network to Reduce Impacts of Damages During Shipping. *Management and Production Engineering Review*, 12(2), 17-26.
13. Khamaj, A., Alhashim, A. G., Ybarra, V. T., & Hussain, A. (2021). Weather forecast perceptions of Saudi Arabian citizens: initial steps toward building extreme weather forecasting communication technology. *Weather, climate, and society*, 13(3), 591-603.
14. Sen, A., Mohankar, A. S., Khamaj, A., & Karmakar, S. (2021). Emerging OSH Issues in Installation and Maintenance of Floating Solar Photovoltaic Projects and Their Link with Sustainable Development Goals. *Risk Management and Healthcare Policy*, 14, 1939.
15. Khamaj, A., Farouk, W. M., Shewakh, W. M., Abu-Oqail, A. M. I., Wagih, A., & Abu-Okail, M. (2021). Effect of lattice structure evolution on the thermal and mechanical properties of Cu–Al₂O₃/GNPs nanocomposites. *Ceramics International*, 47(12), 16511-16520.
16. Khamaj, A., Ameer, A. K., & Samy, A. M. (2021). Effect of Ambient Illumination, Screen Resolution and Zoom Level on Performance of Typing on Computers. *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, 12(6), 1658-1674.
17. Moosa, M. M., Oriet, L. P., & Khamaj, A. M. (2020). Measuring the Causes of Saudi Arabian Construction Accidents: Management and Concerns. *International Journal of Occupational Safety and Health*, 10(2), 108-14.
18. Alhashim, A. G., & Khamaj, A. (2020). Eye Fixation Operational Definition: Effect on Fixation Duration when Using I-DT. *Journal of Engineering and Applied Sciences*, 7(2).

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19. Khamaj, A. (2020). Efficacy of smartphone applications in saving time and money and increasing public's awareness of critical practices: application of CPR instructional approaches in Saudi Arabia. Jof University Science and Engineering Journal, 7(1), 1-8.
20. Khamaj A, Kang, Z., and Argyle, E. (2019). Users' perceptions of smartphone weather applications' usability. In Proceedings of the Human Factors and Ergonomics Society 60th Annual Meeting, Seattle, WA ,Oct. 28- Nov. 1.
21. Khamaj A, and Kang, Z. (2018). Usability evaluation of mobile weather hazard alert applications, Industrial and Systems Engineering Review 6(1), 21-40
22. Khamaj A, Shehab, R., and Kang, Z. (2017). Efficiency and distraction evaluations of motorcycles mounted infotainment systems and controls, In Proceedings of the 6th Annual World Conference of the Society for Industrial and Systems Engineering. Herndon, VA. 169-175.
23. Khamaj A. and Kang, Z. (2017). Usability evaluation of mobile weather alert applications". Gallogly College of Engineering Poster Fair, University of Oklahoma Norman, OK. Nov. 10.

Service Activities

- Dean of College of Applied Industrial Technology 2025-Now
- Vice Dean of College of Engineering & Computer Science for Research and Development 2022-2025
- Chairman of Industrial Engineering Department 2019-2022

Research Accounts

- **Google Scholar:** <https://scholar.google.com/citations?user=4lRrM9IAAAAJ&hl=en>
- **Research Gate:** <https://www.researchgate.net/profile/Abdulrahman-Khamaj>
- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=57222403783>

Recent Development Activities

1. Seminar on ABET accreditation requirements, (2 Hr), Monday 2nd September 2019.
2. Workshop on ABET accreditation Standards, (2 Hr), Monday 7th October 2019.
3. Seminar on Rubrics Assessments, (3 Hr), Monday 27th October 2019.
4. Workshop on Graduation projects & Summer training KPIs, (2.5 Hr), Thursday 26th November 2019.
5. Workshop on Surveys analysis, (3 Hr), Tuesday 5th December 2019.
6. Seminar on Preparing Self-Study Report, (3 Hr), Tuesday 21st December 2019.
7. Workshop on Exam Template Specifications and Design, (1.5 Hr), Monday 23th February 2020.
8. Workshop On the pre Rubric KPIs , (2 Hr), Monday 2nd December 2019.
9. Seminar on Integrated Course design, (3.5 Hr), Tuesday 4th February 2020.
10. Workshop on Program Learning Outcomes Assessment, challenge, and achievement, (3 Hr), Monday 27th January 2020.