


Curriculum Vitae for XMUM Official Website

	Name	Ashwaq Mukred Saeed Qasem
	Current Position	Lecturer
	Room No.	
	Programme	Artificial Intelligence
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BIOGRAPHY

With a Ph.D. in computer science. My research interests include artificial intelligent, machine learning, computer vision, pattern recognition, image processing, optimization and medial image processing. I have published academic paper in the journals like Neural Computing and Applications, International Journal of Electrical and Computer Engineering Systems, International Journal of Advanced Computer Science and Applications, and Pertanika Journal of Science & Technology.

RESEARCH INTERESTS

Artificial Intelligent, Machine Learning, Computer Vision and Pattern Recognition, Optimization, Image Processing and Medical Imaging, Deep Learning and Data Science

EDUCATIONAL BACKGROUND

- PhD (Computer Science), University Kebangsaan Malaysia, Malaysia (2020)
- MSc (Information Technology (Computer Science)), University Kebangsaan Malaysia, Malaysia (2014)
- BSc (Information Technology), Cairo University, Egypt (2008)

WORKING EXPERIENCE

- Researcher, Center of Artificial Intelligence, Faculty of Information Science and Technology, National University of Malaysia (UKM), Malaysia (Aug 2020 – Feb 2022).
- Post-Graduate Researcher, Center of Artificial Intelligence, Faculty of Information Science and Technology, National University of Malaysia (UKM), Malaysia (Feb 2012- April 2020).
- Teaching Assistant, Faculty of Engineering and Information Technology, Department of Information Technology, Taiz University, Yemen (Sept 2008 – Sept 2010).
- Lecturer, Computer and Information Technology Center, Taiz University, Yemen (Sept 2009 – Jan 2010)

REPRESENTATIVE PUBLICATIONS

1. **Ashwaq Qasem***, Siti Norul Huda Sheikh Abdullah*, Shahnorbanun Sahran, Dheeb Albashish, Shidrokh Goudarzi, Shantini Arasaratnam. 2022. An improved ensemble pruning for mammogram classification using modified bees algorithm. *Neural Computing & Application* (2022). (WoS – ESCI)
2. Farah Aqilah Bohani*, **Ashwaq Qasem**, Siti Norul Huda Sheikh Abdullah, Khairuddin Omar, Shahnorbanun Sahran, Rizuana Iqbal Hussain, Syaza Sharis. (2019). Multilevel Thresholding of Brain Tumor MRI Images: Patch-Levy Bees Algorithm versus Harmony Search Algorithm. *International Journal of Electrical and Computer Engineering Systems*, vol. 10, no 2. (WoS – ESCI)
3. **Ashwaq Qasem***, Siti Norul Huda Sheikh Abdullah, Shahnorbanun Sahran, Dheeb Albashish, Rizuana Iqbal Hussain, Shantini Arasaratnam. (2018). Heterogeneous ensemble pruning based on bee algorithm for mammogram classification. *International Journal of Advanced Computer Science and Applications*, vol. 9, no. 12, pp. 231–239. (WoS – ESCI)
4. Wan Noor Aziezan Baharuddin, Siti Norul Huda Sheikh Abdullah*, Shahnorbanun Sahran, **Ashwaq Qasem**, Rizuana Iqbal Hussain, Azizi Abdullah. (2018). Breast tissue classification via interval type 2 fuzzy logic based rough set. - *International Journal on Advanced Science, Engineering and Information Technology*, vol. 8, no. 4–2, pp. 1792–1802. (Scopus)
5. Shahnorbanun Sahran*, **Ashwaq Qasem**, Khairuddin Omar, Dheeb Albashih, Afzan Adam, Siti Norul Huda Sheikh Abdullah, Azizi Abdullah, Rizuana Iqbal Hussain, Fuad Ismail, Norlia Abdullah, Suria Hayati Md Pauzi and S Nurdashima Abd Shukor. (2018). “Machine Learning Methods for Breast Cancer Diagnostic,” in *Breast Cancer and Surgery*, pp. 57–76. (Book Chapter)
6. **Ashwaq Qasem***, Siti Norul Huda Sheikh Abdullah, Shahnorbanun Sahran, Rizuana Iqbal Hussain, Fuad Ismail. (2017). An accurate rejection model for false positive reduction of mass localization in mammogram. - *Pertanika Journal of Science & Technology*, vol. 25, no. S6, pp. 49–62. (WoS – ESCI)
7. Wan Noor Aziezan Baharuddin, Siti Norul Huda Sheikh Abdullah*, Shahnorbanun Sahran, **Ashwaq Qasem**, Azizi bin Abdullah, Rizuana Iqbal, Fuad Ismail. (2016, March). Type 2 Fuzzy Logic for mammogram breast tissue classification. In *Industrial Informatics and Computer Systems (CIICS), 2016 International Conference on* (pp. 1-6). IEEE.
8. **Ashwaq Qasem***, Siti Norul Huda Sheikh Abdullah, Shahnorbanun Sahran, Tengku Siti Meriam Tengku Wook, Rizuana Iqbal Hussain, Norlia Abdullah, Fuad Ismail. (2014, March). Breast cancer mass localization based on machine learning. In *Signal Processing & its Applications (CSPA), 2014 IEEE 10th International Colloquium on* (pp. 31-36). IEEE.

HONORS/AWARDS

- Scholarship: 2015-2019; HLAf scholarship for PhD degree study.