Date: Monday, 28 April 2025

CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: Omar Husain Mohammad Tarawneh
Academic Rank: Associate Professor
College: Information Technology
Department: Software Engineering
Nationality: Jordanian
Address: Amman
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ACADEMIC QUALIFICATIONS

- B.S in Computer Science, Mutah University, 2003
- M.Sc. in Computer Information Systems, Arab Academy for Banking and Financial Sciences, 2006
  Thesis/Project Title: A Consumer Perspective E-Commerce Website Quality Evaluation Model
- PhD in Software Engineering, Mutah University, 2015,
  Dissertation title: A Consumer Perspective E-Commerce Website Quality Evaluation Model

ACADEMIC EXPERIENCE

- Duration: Four years
- University: Amman Arab University
- Academic Rank: Associate Professor
- Date the rank was granted: April 19, 2019
- The body granting the rank: Al Zahra College, Muscat
- College: College of Information Technology
- Country: Sultanate of Oman

- Duration: One year and two months
- University: Al Zahra College for Women
- Academic Rank: Associate Professor and Head of the Information Technology Department
- Date the rank was granted : April 19, 2019
- The body granting the rank: Al Zahra College, Muscat
- Faculty: College of Information Technology
- Country: Sultanate of Oman

- Duration: Three years and nine months
- University: Al Zahra College for Women
- Academic Rank: Assistant Professor and Head of the Information Technology Department
- Date the rank was granted : March 7, 2015
- The body granting the rank: Amman Arab University
- Faculty: College of Computer and Information Sciences
- Country: Jordan

- Duration: One year and six months
- University: Amman Arab University
- Academic Rank: Assistant Professor
- Date the rank was granted Rank: March 7, 2015
- The body granting the rank: Amman Arab University
- Faculty: College of Computer Science and Information
- Country: Jordan

- Duration: Two years
- University: Kuala Lumpur
- Academic Rank: Lecturer
- Date the rank was granted :
- The body granting the rank:
- Faculty: Department of Information Technology
- Country: Malaysia

Non-Academic Experience

- Duration: Five years
- Institution: Ministry of Education
- Department: Information Technology
- Country: Jordan

Certifications or Professional Registrations

- Local Area Network and Digital Services – Jordan Telecommunications Company, April 2005
- Intel e-Learning Program – Ministry of Education, Jordan, January 2005
- International Computer Driving License (ICDL) – Ministry of Education, Jordan, January 2004
- Training of Trainers (TOT) Program – Independent Election Commission, Jordan, May 2016

Current Membership in Professional Organizations

- Reviewer for IEEE Access, 2019 Access IEEE (present).
- Reviewer for the International Conference on Computer Science and Informatics (ICSIC 2016) (present).
- Reviewer for the Alexandria Engineering Journal (2019-present).
- Supervisor of the development and updating of the International Conference on Computer Science and Informatics information, ICSIC website (2016).
- Chair of the ICSIC Reception Committee, Amman Arab University (2016).
- Chair of the Fifth International Conference on Computer Science and Informatics (ICSIC22 and ICSIC24) (2022-2024).

Honors and Awards

- Research Assistant for the research (Code 32673 O/S) on Quality of Websites (B2C). Research duration: 2 years (January 1, 2010 - December 31, 2012). Granted $40,000 by the Government of Malaysia.
- Research Assistant for the research (Code 12613 O/S) on Effective Use of Remote Centers. Research duration: 2 years (January 1, 2012 - December 31, 2014). Granted $80,000 by the Government of Malaysia.

Service Activities

- Research projects:
  - Simulation of Software Agents Platforms Using Numerical Methods, Amman Arab University, 2016.
  - Web-Based Model for Conversion between Relational Databases and XML, Amman Arab University, 2016.

- Workshops:
  - How to write literature review. 22-24, December, 2010. University Utara Malaysia (UUM). Sintok, Malaysia
  - High impact journal writing workshop. 15, June 2011. University Utara Malaysia (UUM). Sintok, Malaysia
  - Knowledge Transfer Series: High performance computing data analysis and creative content using grid and cloud computing. 6, March 2012. University Utara Malaysia (UUM). Sintok, Malaysia
  - Academic Advising Practice Symposium, Rustaq College of education. Sultanate of Oman. 22 -23 November 2017.

o   IEEE Symposium of Engineering Education (ISEE'18) Graduates & Future employment, Military Technological College, Muscat, Sultanate of Oman, Tuesday 13th March 2018.

o   Electronic Business "Making the Digital Markets More Fairness", Majan continental hotel, Muscat. Sultanate of Oman, Thursday 15th March 2018.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. Ali, S., Alshinwan, M., Khashan, O. A., Hijjawi, M., Altawil, A., Al-Na'amneh, Q., ... & Abualigah, L. (2025). Intrusion Detection for Wireless Sensor Networks Using Parrot Algorithm. InMachine Intelligence Applications in Cyber-Risk Management(pp. 345-366). IGI Global Scientific Publishing.

2. Alshinwan, M., Khashan, O. A., Khader, M., Tarawneh, O., Shdefat, A., Mostafa, N., & AbdElminaam, D. S. (2024). Enhanced Prairie Dog Optimization with Differential Evolution for solving engineering design problems and network intrusion detection system.Heliyon,10(17).

3. Alzyoud, F., Al-Falah, R., Tarawneh, M., & Tarawneh, O. (2024, March). Security Challenges and Solutions in Smart Cities. InInternational Conference on Advances in Computing Research(pp. 256-267). Cham: Springer Nature Switzerland.

4. Tarawneh, O., Saber, Q., Almaghthawi, A., Owida, H. A., Issa, A., Alshdaifat, N., ... & Arabiat, M. (2024). The Effect of Pre-processing on a Convolutional Neural Network Model for Dorsal Hand Vein Recognition.International Journal of Advanced Computer Science & Applications,15(3).

5. Alzyoud, F., Al-Falah, R., Tarawneh, M., & Tarawneh, O. (2024, March). Security Challenges and Solutions in Smart Cities. InInternational Conference on Advances in Computing Research(pp. 256-267). Cham: Springer Nature Switzerland.

6. Tarawneh, O., Tarawneh, M., Sharrab, Y., & Altarawneh, M. (2023, October). Mushroom classification using machine-learning techniques. In AIP Conference Proceedings (Vol. 2979, No. 1). AIP Publishing.

7. Odah, S., Sbenaty, B., Ahmad, E., Alhilo, G., Tarawneh, O., & Otair, M. (2023, October). Heart disease prediction using machine learning: A comprehensive study. In AIP Conference Proceedings (Vol. 2979, No. 1). AIP Publishing.

8. Otair, M., Abualigah, R., Absaleem, A., & Tarawneh, O. H. (2023, October). Exclusive median filter (EMF) for enhancing image quality. In AIP Conference Proceedings (Vol. 2979, No. 1). AIP Publishing.

9. Alhadad, A. A., Tarawneh, O., Mostafa, R. R., & El-Bakry, H. M. (2023). Residual Attention Deep SVDD for COVID-19 Diagnosis Using CT Scans. Computers, Materials & Continua, 74(2).\

10. Mohamed, S. F. P., Baharom, F., Deraman, A., Tarawneh, O., & Yusof, Y. (2022). THE SOFTWARE PROCESS ASSESSMENT AND CERTIFICATION: APPLICATION OF THE ANALYTIC HIERARCHY PROCESS FOR PRIORITY DETERMINATION. International Journal of the Analytic Hierarchy Process, 14(3).

11. Shehab, M., Tarawneh, O., AbuSalem, H., Shannag, F., & Al-Omari, W. (2022, December). Improved Gradient-Based Optimizer for solving real-world engineering problems. In 2022 4th IEEE Middle East and North Africa COMMunicationsConference (MENACOMM) (pp. 191-196). IEEE.

12. ALSARIERA, Y. A., BALOGUN, A. O., ADEYEMO, V. E., TARAWNEH, O. H., & MOJEED, H. A. (2022). INTELLIGENT TREE-BASED ENSEMBLE APPROACHES FOR PHISHING WEBSITE DETECTION. Journal of Engineering Science and Technology, 17(1), 0563-0582.

13. Tarawneh, O., Otair, M., Husni, M., Abuaddous, H. Y., Tarawneh, M., & Almomani, M. A. (2022). Breast Cancer Classification using Decision Tree Algorithms. Breast Cancer, 13(4).

14. Hoat, D. M., Tarawneh, O. H., Alsariera, Y. A., Salehi, K., Ezzeldien, M., & Naseri, M. (2020). Strain tunable electronic and optical properties of 2D orthorhombic lithium sulfur monolayer. Chemical Physics, 535, 110762.

15. Tarawneh, O., Husni, M., & Al-Ratrout, S. (2019) Web Application Development and Measurement Practices: A Survey of Jordanian Small Software Firms (JSSF). International Journal of Computer Applications, 975, 8887.

16. Al-Ratrout, S., Tarawneh, O. H., Altarawneh, M. H., & Altarawneh, M. Y. (2019). Mobile Application Development Methodologies Adopted in Omani Market: A Comparative Study. International Journal of Software Engineering & Applications (IJSEA), 10(2).

Institutional Professional Development Activities in the last five years

- European Accreditation for Engineering Programmes (EUR-ACE)

Research link (Scopus and Google Scholar)

- Google scholar: https://scholar.google.com/citations?user=7AirqdQAAAAJ&hl=en
- Scopus: https://www.scopus.com/authid/detail.uri?authorId=58113036000
- ORCID ID: https://orcid.org/0000-0002-3760-5738
- Research gate: https://www.researchgate.net/profile/Omar-Tarawneh-2

Languages

- Arabic: Mother Tongue
- English: (Excellent) Reading, Writing, Speaking.