Date: 2024/2025

CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: Qusay Walid Bsoul
Academic Rank: Assistant Professor
College: Information Technology
Department: Computer Science
Nationality: Jordanian
Address: Irbid, Jordan.
Phone No: 0795513198
E-mail: q.bsoul@aau.edu.jo

ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- B.S. in Computer Information System, Al-yarmouk University, year. 2008
- M.Sc. in Artificial Intelligent, The National University of Malaysia, year. 2011
  Project / theses title: The Effect of using Light Stemming for Arabic Text Classification.
- PhD in Artificial Intelligence , The National University of Malaysia 2016
  Thesis: An intelligent document clustering approach to detect crime patterns

ACADEMIC EXPERIENCE

- Duration: 2024-present
  - University: Amman Arab University
  - Academic Rank: Assistant Professor
  - Date the rank was granted: 2024
  - The body granting the rank: Amman Arab University
  - College: Information Technology
  - Country: Jordan
- Duration: 2023-2024
  - University: Applied Science Private University
  - Academic Rank: Assistant Professor
  - Date the rank was granted: 2023
  - The body granting the rank: Applied Science Private University
  - College: Information Technology

- o Country: Jordan
  - Duration: 2023-2024
    - o University: Philidiphia university
    - o Academic Rank: Assistant Professor
    - o Date the rank was granted: 2023
    - o The body granting the rank: Philidiphia university
    - o College: Information Technology
    - o Country: Jordan
  - Duration: 2023-2024
    - o University: National Irbid university
    - o Academic Rank: Assistant Professor
    - o Date the rank was granted: 2023
    - o The body granting the rank: National Irbid university
    - o College: Information Technology
    - o Country: Jordan
  - Duration: 2023-2024
    - o University: University science Islamic Malaysia
    - o Academic Rank: Post doctoral and Lecturer
    - o Date the rank was granted: 2023
    - o The body granting the rank: University science Islamic Malaysia
    - o College: Information Technology
    - o Country: Jordan

NON-ACADEMIC EXPERIENCE

- Duration: 2011-2016
  - o University: NATIONAL UNIVERSITY OF MALAYSIA (UKM)
  - o Academic Rank: Researcher
  - o Date the rank was granted: 2012
  - o The body granting the rank: NATIONAL UNIVERSITY OF MALAYSIA (UKM)
  - o College: Information Technology
  - o Country: Malaysia

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

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CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

HONORS AND AWARDS

-

SERVICE ACTIVITIES

-

The most Important Publications in last five years

Bsoul, Q., Al-Shamari, E., Mohd, M. and Atwan, J., 2014. Distance measures and stemming impact on Arabic document clustering. In Information Retrieval Technology: 10th Asia Information Retrieval Societies Conference, AIRS 2014, Kuching, Malaysia, December 3-5, 2014. Proceedings 10 (pp. 327-339). Springer International Publishing.

Atwan, J., Mohd, M., Kanaan, G. and Bsoul, Q., 2014. Impact of stemmer on arabic text retrieval. In Information Retrieval Technology: 10th Asia Information Retrieval Societies Conference, AIRS 2014, Kuching, Malaysia, December 3-5, 2014. Proceedings 10 (pp. 314-326). Springer International Publishing.

Bsoul, Q. , R. A. Salam, J. Atwan, and M. Jawarneh. 2021. Arabic Text Clustering Methods and Suggested Solutions for Theme-Based Quran Clustering: Analysis of Literature. JOURNAL OF INFORMATION SCIENCE THEORY AND PRACTICE, 9(4), pp.15-34, https://doi.org/10.1633/JISTaP.2021.9.4.2.

Atwan, J., Wedyan, M., Bsoul, Q., Hamadeen, A., Alturki, R. and Ikram, M., 2021. The effect of using light stemming for Arabic text classification. International Journal of Advanced Computer Science and Applications, 12(5), pp.768-773.

Mohd, M., BSOUL, Q.W., ALI, N.M., NOAH, S.A.M., SAAD, S., OMAR, N. and AZIZ, M.J.A., 2012. OPTIMAL INITIAL CENTROID IN K-MEANS FOR CRIME TOPIC. Journal of Theoretical & Applied Information Technology, 45(1).

Najjar, F., Bsoul, Q. and Al-Refai, H., 2023. An analysis of neighbor discovery protocol attacks. Computers, 12(6), p.125.

DAWAHDEH, Z.E., ALMAIAH, M.A., ALKHDOUR, T., LUTFI, A., ALDHYANI, T.H. and BSOUL, Q., 2024. A NEW MODIFIED GRAYSCALE IMAGE ENCRYPTION TECHNIQUE USING ELLIPTIC CURVE CRYPTOSYSTEM. Journal of Theoretical and Applied Information Technology, 102(7).

Suresh Kumar, V., Ibrahim Khalaf, O., Raman Chandan, R., Bsoul, Q., Kant Gupta, S., Zawaideh, F., Mohammed Alsekait, D. and Salama AbdElminaam, D., 2024. Implementation of a novel secured authentication protocol for cyber security applications. Scientific Reports, 14(1), p.25708.

Alzoubi, S., Jawarneh, M., Bsoul, Q., Keshta, I., Soni, M. and Khan, M.A., 2023. An advanced approach for fig leaf disease detection and classification: Leveraging image processing and enhanced support vector machine methodology. Open Life Sciences, 18(1), p.20220764.

Institutional Professional Development Activities in the last five years

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Research link (Scopus and Google Scholar)

> **ORCID**: https://orcid.org/0000-0002-5671-7268
> **researchgate ID**: https://www.researchgate.net/profile/Qusay-Bsoul?ev=hdr_xprf
> **Google Scholar:** https://scholar.google.com/citations?hl=en&user=AzrFc7EAAAAJ

LANGUAGES

- Arabic   English