

دائرة الموارد البشرية  
Human Resources Department

Date: 16/4/2025

## CURRICULUM VITAE

### PERSONAL INFORMATION

Faculty Member Name: Dr. HUSAM AHMAD AL HAMAD  
Academic Rank: Associate Professor  
College: IT College  
Department: Data Science and AI  
Nationality: Jordanian  
Address: Amman, AlJoubaiha, Jordan  
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### ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- B.S. in Computer Science and Information System, Philadelphia university, 2001.
- M.Sc. in Computer Information System, AABFS University, 2003.
- Project title: Monitoring and Controlling System via Internet
- Ph.D. in Computer Science and Information System, AABFS University, 2008
- Dissertation title: Development of an Efficient Neural-Based Segmentation Technique for Arabic Handwriting Recognition

### ACADEMIC EXPERIENCE

**Duration: June 2019 – now**

- University: Amman Arab University
- Academic Rank: Associate Professor
- Date the rank was granted: May 2019
- The body granting the rank: Amman Arab University
- College: IT College
- Country: Jordan

**Duration: September 2015 – May 2019**

- University: Amman Arab University
- Academic Rank: Assistant Professor
- Date the rank was granted: February 2009
- The body granting the rank: AABFS University
- College: IT College
- Country: Jordan

**Duration: March 2010 – September 2015**

- University: Qassim University
- Academic Rank: Assistant Professor
- Date the rank was granted: February 2009

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- The body granting the rank: AABFS University
- College: IT College
- Country: Saudi Arabia

**Duration: February 2009 - January 2010**

- University: AABFS University
- Academic Rank: Assistant Professor
- Date the rank was granted: February 2009
- The body granting the rank: AABFS University
- College: IT College
- Country: Jordan

**NON-ACADEMIC EXPERIENCE**

**Duration: 2005 - 2008**

- Institution: AABFS University
- Department: Information Technology Center
- Position: System and Network Administrator
- Country: Jordan

**Duration: 2021 - 2024**

- Institution: AABFS University
- Department: Training institute
- Position: Director of the Computer Department
- Country: Jordan

**Duration: 1997 - 2000**

- Institution: AABFS University
- Department: Training institute
- Position: Training Programs Coordinator
- Country: Jordan

**CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS**

- International Computer Driving License (ICDL)
- Oracle Applications and PeopleSoft
- Linux Operating System
- Managing and implementing Oracle administrative and financial solutions
- Fundamentals of Software Engineering with Rational Technology
- Programming using Microsoft Visual Basic.Net.
- Microsoft SQL Server Database Administration
- Microsoft SQL Server database programming

**CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- AI ENG International Association of Engineers

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### HONORS AND AWARDS

- Best Graduation Project Award, Qassim University, 2014.
- Appreciation certificate in the field of international accreditations, Qassim University, 2015
- Appreciation certificate in the field of strategic planning, Qassim University, 2015.
- Appreciation certificate in the field of quality assurance, Qassim University, 2015.

### SERVICE ACTIVITIES

- Founder of the Arab Center for Document Analysis and Recognition (ACDAR).
- Reviewer of many scientific journals and local, regional and international conferences.

### THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. **Al Hamad H.A.**, Shehab M., Improving the Segmentation of Arabic Handwriting Using Ligature Detection Technique, (2024), 79 (2), pp. 2015 - 2034
2. **Hamad H.A.A.**, Shehab M., Integrated multi-layer perceptron neural network and novel feature extraction for handwritten Arabic recognition, (2024), 8 (3), pp. 1501 – 1516.
3. **Alhamad H.A.**, Shehab M., Shambour M.K.Y., Abu-Hashem M.A., Abuthawabeh A., Al-Aqrabi H., Daoud M.S., Shannaq F.B., Handwritten Recognition Techniques: A Comprehensive Review, (2024), 16 (6), art. no. 681.
4. Shehab M., Shambour M.K.Y., Abu Hashem M.A., **Al Hamad H.A.**, Shannaq F., Mizher M., Jaradat G., Sh. Daoud M., Abualigah L., A survey and recent advances in black widow optimization: variants and applications, (2024).
5. Shehadeh H.A., Jebri I.H., Jaradat G.M., Ibrahim D., Sihwail R., **Al Hamad H.**, Chu S.-C., Alia M.A., Intelligent Diagnostic Prediction and Classification System for Parkinson's Disease by Incorporating Sperm Swarm Optimization (SSO) and DensityBased Feature Selection Methods, (2023), 15 (1), pp. 113 - 132
6. **Al Hamad H.A.**, Abualigah L., Shehab M., Al-Shqeerat K.H.A., Otair M., Improved linear density technique for segmentation in Arabic handwritten text recognition, (2022), 81 (20), pp. 28531 – 28558.
7. Abualigah L., Al-Okbi N.K., Mirjalili S., Alshinwan M., **Hamad H.A.**, Khasawneh A.M., Abu-Ulbeh W., Elaziz M.A., Jia H., Gandomi A.H., Moth-Flame Optimization Algorithm, Arithmetic Optimization Algorithm, Aquila Optimizer, Gray Wolf Optimizer, and Sine Cosine Algorithm: A Comparative Analysis Using Multilevel Thresholding Image Segmentation Problems, (2022), pp. 241 - 264
8. Abualigah L., Gandomi A.H., Elaziz M.A., **Hamad H.A.**, Omari M., Alshinwan M., Khasawneh A.M., Advances in meta-heuristic optimization algorithms in big data text clustering, (2021), 10 (2), art. no. 101, pp. 1 – 29.
9. Shehab M., Abualigah L., **Al Hamad H.**, Alabool H., Alshinwan M., Khasawneh A.M., Moth-flame optimization algorithm: variants and applications, (2020), 32 (14), pp. 9859 – 9884.

### RESEARCH LINK (Scopus and Google Scholar)

- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=35781709000>
- Google Scholar: [https://scholar.google.com/citations?user=YS6g\\_5QAAAAJ](https://scholar.google.com/citations?user=YS6g_5QAAAAJ)

### LANGUAGES

- Arabic, English.