QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

CURRICULUM VITAE

Dara Mohammad Abdelrahman Aqel

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1. **Personal Data**

   Nationality:　　　Jordanian

2. **Education**

   - Ph.D. (Computer Science/Artificial Intelligence and Data Mining) 2014, University of Salford, Manchester, UK

   - M.Sc. (Computer Science/Advanced Distributed Systems) 2008, University of Leicester, Leicester, UK

   - B.Sc. (Computer Information Systems), Al-Ahliyya Amman University, Amman, Jordan.

3. **Ph.D. Dissertation**

   Title: *"A Framework for Employee Appraisals based on Inductive Logic Programming and Data Mining Methods"*, University of Salford, Manchester, UK.

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4. **Employment**

Academic Positions

- Assistant Professor (A), Department of Computer Science/Artificial Intelligence, AlZaytoonah University of Jordan, Amman, Jordan, 12th of November, 2019 – Present.
- Assistant Professor, Department of Computer Science/Artificial Intelligence, AlZaytoonah University of Jordan, Amman, Jordan, 21 of September, 2018 – 21 of September, 2019.
- Assistant Professor, Department of Computer Science/ Computer Science, AlZaytoonah University of Jordan, Amman, Jordan.
  21 of September, 2014 – 21 of September, 2018.

Administrative Positions

- N/A

5. **Research Interests**
Artificial Intelligence, Data Science, Data Mining, Databases, Natural Language Processing, Machine Learning, Information Extraction.

6. **Membership in Scientific Societies and Associations**
N/A

7. **Honors and Awards**
N/A

8. **Fellowships and Scholarships**
N/A

9. **Teaching Experience**

- *Graduate Courses*

N/A

- *Undergraduate Courses*

Database1, Operating Systems, Data Structures, Java Programming Language, Introduction to Software Engineering, Introduction to Information Technology, Cognitive and Knowledge-based Systems, Natural Language Processing, Big Data, and Machine Learning.

Learning.

10. Supervision of Graduate Research

I was a Co Advisor of the Master student "Maha Naser Abu Naser". She got her Master degree in Computer Science from AlZaytoonah University of Jordan in 2020. Her Thesis Title was: "A Novel Efficient Automated Bug Assignment Approach Using Machine Learning".

11. Grants
N/A

12. Patents

N/A

13. Membership of Committees

- **University**
  - *Committee for equivalency, guidance and follow - up graduates (9/2019- Present).*
  - *Exams and Evaluation Committee (9/2015-9/2019).*

14. Professional and Scientific Meetings

Scientific Meetings Organized

N/A

Participation in Scientific meetings
- GATE (General Architecture for Text Engineering) Training Course and Developer Sprint Workshop, at the University of Sheffield, Sheffield, UK, (10th -14th of May, 2010).

15. Participation in or organization of curricular and/or extra-curricular activities

- I was a member in the International Conference on Information Technology (ICIT 2021), Faculty of Science and IT, Al Zaytoonah University of Jordan, Amman-Jordan (14-15 of July, 2021).

-I was a member in the International Conference on Information Technology (ICIT 2019) for Data science, Al Zaytoonah University of Jordan, Amman-Jordan (9-11 of

April, 2019).

- I have attended a course of Data Science foundation, given by Avertra Company at Al Zaytoonah University of Jordan, Amman-Jordan (17-21 of February, 2019).

- I have attended a course of Blockchain foundation, given by Avertra Company at Al Zaytoonah University of Jordan, Amman-Jordan (24-25 of February, 2019).

-I was a member in the International Conference on Information Technology (ICIT 2017), Faculty of Science and IT, Al Zaytoonah University of Jordan, Amman-Jordan (17-18 of May, 2017).

-I have attended a training workshop in modern teaching strategies, Faculty of Science and Information -Al Zaytoonah University of Jordan, Amman-Jordan (14-16/2/2017).

- I was a member at Towards a University Enterprise (TEJ), Princess Sumaya University for Technology, Amman-Jordan (2-3 of November, 2016).

-I was a member in the International Conference on Information Technology (ICIT 2015), Faculty of Science and IT - Al Zaytoonah University of Jordan, Amman- Jordan (12-15 of May, 2015).

- I was a member in the Operational Research (OR) Society, Birmingham, UK (2012-2014).

16. Publications

1. AlZu'bi, S., **Aqel, D.,** & Lafi, M. (2022). An intelligent system for blood donation process optimization-smart techniques for minimizing blood wastages. *Cluster Computing*, 1-11.
2. **Aqel, D.,** Al-Zubi, S., Mughaid, A., & Jararweh, Y. (2022). Extreme learning machine for plant diseases classification: a sustainable approach for smart agriculture. *Cluster Computing*, *25*(3), pp. 2007-2020.
3. AlZu'bi, S., **Aqel, D.** and Mughaid, A. (2021). Recent intelligent Approaches for Managing and Optimizing Smart Blood Donation Process. In 2021 International Conference on Information Technology (ICIT) (pp. 679-684). IEEE.
4. Hamadah, S. and **Aqel, D.** (2020). CYBER SECURITY BECOMES SMART USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPROACHES: AN OVERVIEW. ICIC Express Letters Part B: Applications 11(12), pp.1115-1123.
5. Mughaid, A., Obeidat, I., Hawashin, B., AlZu'bi, S. and **Aqel, D.** (2019). A smart Geo-Location Job Recommender System Based on Social Media Posts. In 2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS) (pp. 505-510). IEEE.
6. AlZu'bi, S., **Aqel, D.**, Mughaid, A. and Jararweh, Y. (2019). A Multi-Levels Geo-Location based Crawling Method for Social Media

Platforms. In 2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS) (pp. 494-498). IEEE.

7. Hawashin B**.**, **Aqel D**., Alzubi S., Elbes M. (2019). "Improving Recommender Systems Using Co-Appearing and Semantically Correlated User Interests". Recent Patents on Computer Science, Vol. 12(1).

8. **Aqel, D**, AlZu'bi, S, Hamadah, S. (2019). "Comparative Study for Recent Technologies in Arabic Language Parsing". In 2019 Sixth International Conference on Software Defined Systems (SDS), pp. 209-212. IEEE.

9. Hawashin, B., **Aqel, D.**, AlZu'bi, S., Jararweh, Y. (2019). "Novel Weighted Interest Similarity Measurement for Recommender Systems Using Rating Timestamp". In 2019 Sixth International Conference on Software Defined Systems (SDS), pp. 166-170. IEEE.

10. Hamadah, S. and **Aqel, D**. (2019). "A Proposed Virtual Private Cloud-Based Disaster Recovery Strategy". In the Proceedings of 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT).

11. AlZu'bi, S., Mughaid, A., Hawashin, B., Elbes, M., Kanan, T., Alrawashdeh, T., **Aqel, D**. (2019). "Reconstructing Big Data Acquired from Radioisotope Distribution in Medical Scanner Detectors". In the Proceedings of 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT).

12. **Aqel D.**, and Hawashin B. (2018). "Arabic Relative Clauses Parsing Based on Inductive Logic Programming". Recent Patents on Computer Science, 11(2), pages 121-133.

13. **Aqel, D**. and Vadera, S. (2013). "A Framework for Employee Appraisals based on Inductive Logic Programming and Data Mining Methods". In Proceeding of the 18th International Conference on Applications of Natural Language to Information Systems (NLDB2013). Springer, Berlin Heidelberg, pp. 404-407.

14. **Aqel, D**. and Vadera, S. (2010). "A Framework for Employee Appraisals based on Sentiment Analysis". Proceedings of the 1st International Conference on Intelligent Semantic Web – Services and Applications (ISWSA2010). ACM, pp. 62-67.