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

CURRICULUM VITAE

Thamer Ahmad AL-Rawashdeh
Software engineering department / faculty of sciences and

IT/ Alzaytoonah University of Jordan University, Amman,

Jordan

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1. Personal Data

Date of Birth: 31/1/1980
Nationality: Jordanian

2. Education

- Ph.D. (software engineering) 2011, Utara University of Malaysia, Utara, Kedeh, Malaysia

- M.Sc. (computer information system) 2005, Arabic University For banking and Financial Science, Amman, Jordan

- B.Sc. (computer science) 2003, Mutah University, Alkarak, Jordan

3. Ph.D. Dissertation

Extended UTAUT to examine the acceptance of web based training systems, Utara University, Utara, Kedeh, Jordan.

4. Employment

Academic Positions

- Associate Professor, Software Engineering Department, Alzaytoonah University, Amman, Jordan
  Sep, 2016 – present
- Assistant Professor, Software Engineering Department, Alzaytoonah University, Amman, Jordan

Sep, 2011 – 2016

- Instructor, computer science Department, Utara University, 2009 -2011

Administrative Positions

- Assistant Dean, Faculty of sciences and IT, Alzaytoonah University, Amman, Jordan , 2018- present
- Chairman of Computer Science Department, Faculty of sciences and IT, Alzaytoonah University, Amman, Jordan , 2013- 2016

5. **Research Interests**
   Software requirements, software design, software development, software testing, software quality and software project management

6. **Honors and Awards**
   REVIEWER CERTIFICATE FROM JOURNAL OF SOFTWARE: EVOLUTION AND PROCESS

7. **Teaching Experience**

   - *Graduate Courses*

     Software analysis and design
     Software development
     Software testing
     Software project management

   - *Undergraduate Courses*

     Introduction to software engineering
     Software specifications
     Software analysis and design
     Software development
     ASP.NET
     Object oriented programming
     Software testing
     Software quality
     Software project management

8. **Supervision of Graduate Research**

   - Waleed Abd Alftah, A Quality Model of Big Data Applications, 2021

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- Ahmad Hamaad, An Automated Approach to Generate Test Cases from Specifications, 2020
- Lana Mahmoud, A Quality Model of Cloud Computing, 2020
- Mohammed Sa'ad. An Automated Approach to Generate Use Cases and Class Diagrams from User's Requirements Using Deep Learning, 2019
- Khalid Al-smoul, Maximizing the lifetime of wireless sensors networks using solar energy Harvesting Technology, maser Awarded in 2016.

9. **Grants**
    - Conceptual framework for implementation and acceptance of quality assurance management system; 23000 JD; from January- 2020 to January - 2021
    - A novel indoor localization technique controlled by artificial intelligence for smart buildings, Alzaytoonah University of Jordan; 18750 JD; from May-2017 to May-2019.
    - Developing an Implementation Model for a Modified Linux operating system; Alzaytoonah University of Jordan; 18300 JD; from May- 2015 to January-2017.
    - Conceptual Design for PV system installation Using Wireless sensor Network; Alzaytoonah University of Jordan; 59960 JD; from June- 2014 to June-2016.

10. **Membership of Committees**

    - **National and International**
      - Member, a committee for developing MIS curricula (USAID) 2006.
    - **University**
      - Member, a committee of quality assurance at Alzaytoonah University of Jordan 2012-2016.
      - Coordinator of Microsoft Corporation activities at Alzaytoonah University, 2011-2016.
      - Referee, 6th International Conference on Information Technology IEEE 6th, Alzaytoonah University, Amman-Jordan, May 8-10, 2013.
      - Assurance in Higher Education (IACQA'2013), Alzaytoonah University, Amman-Jordan, April 2-4, 2013.

11. **Professional and Scientific Meetings**

    Scientific Meetings Organized

      - Organizing Committee Chair, 2021 IEEE International Conference of Information Technology, IEEE – Jordan Section and Al-Zaytoonah University of Jordan, Amman-Jordan, July 14-15, 2021

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- Track Chair, 2019 IEEE International Joint Conference on Electrical Engineering and Information Technology, IEEE – Jordan Section, Jordan Engineers Association, and Al-Zaytoonah University of Jordan, Amman-Jordan, April 9-11, 2019

Participation in Scientific meetings

Participant, the Third International Arab Conference on Quality

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

- ISO, Alzaytoonah University, Amman, 12-15 Oct 2020
- Quality assurance evaluators, Commission of Accreditation and Quality Assurance of Higher Education Institutions, Amman, 18-20 Jan 2020
- Instructional design for E-learning (IDEL), UNHCR, Amman, 1-5 Dec 2019
- بناء الاختبارات التحصيلية وتحليلها وتفسير نتائجها/ 2016
- Linux Operating System
- Cloud computing, Microsoft Corporation.
- Embedded systems and Arduino Microcontroller, Hamorabe company, 1-20 July 2013.
- Quality self-assessment, Association of Arab Universities, 13-15 June, 2013.
- Computer on wheels (COW) for education purpose (USAID) 2005.

13. Publications

1) Ahmad Althunibat, Mohammad Abdallah, Mohammed Amin Almaiah, **Thamer A. Alrawashdeh**, Nour Alabwaini. An Acceptance Model of Using Mobile-Government Services (AMGS). (2021). *Computer Modeling in Engineering and Sciences* (Accepted)

2) Hamza Abutaleb, Abdelfatah Tamimi and **Thamer A. Alrawashdeh** (2021). Empirical Study of Most Popular PHP Framework. *2021 International Conference on Information Technology (ICIT), IEEE, pp. 608-611*

3) **Thamer A. Alrawashdeh**, Fuad ElQirem, Ahmad Althunibat and Roba Alsoub (2021). A Prioritization Approach for Regression Test Cases Based on a Revised Genetic Algorithm. *Information Technology and Control,* Vol. 50, No. 3, 2021, pp. 443-457

4) Elbes, M., **Thamer A. Alrawashdeh,** Almaita, E., AlZu'bi, S., & Jararweh, Y. (2020). A platform for power management based on indoor localization in smart buildings using long short-term neural networks. *Transactions on Emerging Telecommunications Technologies*, e3867.

5) **Thamer A. Alrawashdeh**, Mohammad W. Elbes, Ammar Almomani, Abdelfatah Tamimi. User acceptance model of open source software: an integrated model of OSS characteristics and UTAUT. *Journal of Ambient Intelligence and Humanized Computing, pp. 1-13*

6) **Thamer A. Alrawashed,** Almomani, A, Althunibat, A, Tamimi, A **(2019)**. An automated approach to generate test cases from use case description

model. *Computer Modeling in Engineering & Sciences*, Vol. 119, No. 3, 2019, pp. 409-425

7) H Hourani, H Wasmi, **Thamer A. Alrawashdeh (2019)**. A Code Complexity Model of Object Oriented Programming (OOP). *2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)*

8) MS Osman, NZ Alabwaini, TB Jaber, **Thamer A. Alrawashdeh (2019)**. Generate use case from the requirements written in a natural language using machine learning. *2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)*.

9) M Elbes, E Almaita, **Thamer A. Alrawashdeh**, T Kanan, S AlZu'bi, B Hawashin **(2019)**. An Indoor Localization Approach Based on Deep Learning for Indoor Location-Based Services. *2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)*

10) Roba K. Alsoub, **Thamer A. Alrawashdeh (2018)**, and Ahmad Althunibat. User Acceptance Criteria for Enterprise Resource Planning Software Systems*. International Journal of Innovative Computing, Information and Control ICIC* Volum**14**, Number **1**

11) Khalid M. Al-Smoul, **Thamer A. Al-Rawashdeh**, Ali A. Al-Dahoud (2016). An Improved Solar Low Energy Adaptive Clustering Hierarchy (IS-LEACH) Technique. *International Journal of Communication Networks and Information Security (IJCNIS)*. 8(3).

12) Al-Dahoud, A., Fezari, M., Wassila, A., & **Thamer A. Al-Rawashdeh**. (2016, June). Multiclass SVM/HMM Vowels Recognition System Towards Improving Human Computer Interaction. In International Conference on Dependability and Complex Systems (pp. 1-11). Springer, Cham.

13) **Thamer A. Al-Rawashdeh,** (2016). Evaluating Open Source Software Usability Using a Multistage Fuzzy Model Approach**.** *International Review on Computers and Software (IRECOS)***, 10 (2).**

14) **Thamer A. Al-Rawashdeh**, Feras M. Al'azzeh, Sokyna M. Al-Qatawneh. (2014). Evaluation of ERP Systems Quality Model Using Analytic Hierarchy Process (AHP) Technique. *Journal of Software Engineering and Applications*, 7, 225-232.

15) Huda Ibrahim And **Thamer A. Alrawashdeh**. (2014). Acceptance of web-based training system. *Journal of ICT*.

16) **Thamer A. Al-Rawashdeh**, MOHAMMAD I. MUHAIRAT, Sokyna M. Al-Qatawneh (2014). A Quantitative Evaluation of ERP Systems Quality Model. *11th International Conference on Information Technology: New Generations (ITNG)*.

17) AHMAD ALTHUNIBAT, **THAMER A. ALRAWASHDEH** AND MOHAMMAD I. MUHAIRAT (2014). THE ACCEPTANCE OF USING M-GOVERNMENT SERVICES IN JORDAN. *11th International Conference on Information Technology: New Generations (ITNG)*.

18) AHMAD ALTHUNIBAT, **THAMER A. ALRAWASHDEH** AND MOHAMMAD I. MUHAIRAT (2014). THE ACCEPTANCE OF USING

M-GOVERNMENT SERVICES IN JORDAN. Journal of Theoretical and Applied Information Technology.

19) Sokyna Al-Qatawneh1, Ali Mehdi2, and **Thamer A. Al Rawashdeh**. (2014). 3D MODELLING, SIMULATION AND PREDICTION OF FACIAL WRINKLES. 2nd international conference on Image Processing and Pattern Recognition, Sudny , Australia

20) **Thamer A. Alrawashdeh**, Mohammad I. Muhairat and Ahmad M. Althunibat. (2013). A Software Quality Model of ERP System in Higher Education Institutions. *European Journal of Scientific Research (EJSR),* Vol. 99 Issue 1.

21) **Thamer A. Alrawashdeh**, Mohammad I. Muhairat and Ahmad M. Althunibat. (2013 Evaluating Quality of Software in ERP Systems Using the ISO 9126 Model. *International Journal of Ambient Systems and Applications(IJASA),* Vol. 1 No.1.

22) **Thamer, A. Alrawashdeh** & Mahadeen, B. (2012). Extended UTAUT to examine the acceptance of web based training system by public sector's employees. *International Journal of Interactive Mobile Technologies (iJIM)*, Vol.7, No.1.

23) S. Qatawneh, A. Alneaimi, **Thamer, A. AlRawashdeh**, M. Muhairat, R. Qahwaji and S. Ipson,"Efficient Prediction of DNA-Binding Proteins using Machine Learning (2012). *", International Journal on Bioinformatics & Biosciences (IJBB) Vol.2*, No.2, June 2012.

24) **Thamer A. Alrawashdeh**, Mohammad I. Muhairat and Sokyna Alqatawnah. (2012) Factors Affecting Acceptance of Web-Based Training system: Using Extended UTAUT and Structural Equation Modeling. *International Journal of Computer Science, Engineering and Information Technology (IJCSEIT),* Vol.2, No.2.

25) **Thamer A. Alrawashdeh,** Ibrahim, H & Affendi, S. M. (2011). Issues and Challenges in Applying Computer-Based Distance Training System. *GSTF International Journal on Computing, 2*.

26) Ali Al-Dahoud, Mohamed Fezari, Ismail Jannoud and **Thamer A. Alrawashdeh** (2015). Improving monitoring and Fault Detection of Solar Panels Using Arduino and Mega WSN. *ICEMPE* 2015 : *17th International Conference on Electrical Machines and Power Electronics*.

27) **Thamer A. Alrawashdeh,** Ibrahim, H., & Affendi, S. M. (2010). Distance Training System as an Alternative to Traditional Training. *International Conference on Infocomm Technologies*, Singapore.

28) Ibrahim, H. & **Thamer A. Alrawashdeh** (2010). Distance Learning System as an Alternative to Traditional Training: A case of Jordanian Public Sector's Employees. *IADIS International Conference on Internet Technologies & society (ITS 2010).* 267 – 272, Perth, Australia.

29) **Thamer A. Alrawashdeh** & Ibrahim, H & Affendi, S. M (2010). Traditional Training: Challenges and Alternative. *The 3rd National Conference Rural ICT development,* 70-73. Kedah, Malaysia.