

CURRICULUM VITAE

TYPE OF EXPERTISE:

High Education Instructor in different IT departments such as: (**Software Engineering**), (Multimedia Systems), (Computer Information System) and (Computer Science).

Information Technology Fields (Strategic plans, Analysis plan, Diagnostic Studies, Projects Configuration and Implementation, Upgrading Running Systems and Applications, Network Administration, **DBA** Administrations, **ERP** (ENTERPRISE RESOURCE PLANNING) systems) and Multimedia systems.

1. **Family name: AbdelQader**
2. **First names: Akram**
3. **Date of birth: 18/11/1968**
4. **Nationality: Jordanian**
5. **Education:**

QUALIFICATION	SPECIALITY	SOURCE	YEAR
PhD Degree (UK)	Computer Science Multimedia, image and pattern recognition Computer Science	Demonfort University UK	2017
Masters Degree (thesis)	Computer Science (IT)	University of Jordan	2003
Bachelor Degree	Computer Science	University of Jordan	1991
Tawjeehi (GEC)	Scientific Stream	Ministry of Education	1987

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

7. **Membership of professional bodies:**

- **Member in IEEE (Institute of Electrical and Electronics Engineers)**
- **Jordan Upgrading and Modernization Program (JUMP)**

8. **Other skills:**

- Follow up the newest Technology of computer hardware and software
- All computer software packages (3D MAX, Director, Flash, OS, AutoCAD and many other packages)
- All programming languages (Visual studio (VB.NET, VFP, VC...), Oracle (10G..), Java, Delphi and many other)
- All design software packages (HTML, PHP, ASP.NET and Flash)
- All Operating Systems (Windows all ver., [Linux OS](#) , [Unix OS](#))
- Most well known servers and OS Familiarity

9. Present position:

- **Instructor at Al-Zaytoonah University
(IT Faculty Department of Software Engineering)**

10. Years within the firm: **From 2003 – up to now.**

11. **Key qualifications:** Minimum must have a Master Degree in IT

CS, CIS, SE and MM departments:

* Subjects and courses teaching:

- Computer Skills 1
- Computer Skills 2 (Windows + Microsoft Office Package)
- Computer Language C++
- Computer Programming Language Visual Basic
- Computer Programming Language VB.Net
- Computer Programming Language ASP.Net
- Internet Skills and E-Commerce
- Database Management
- Internet Technology
- Webpage Design using HTML
- Webpage Design using Java Script language
- Computer Graphics and (GIS)
- Software Packages (Flash + 3D Max ...)
- Network 1, Network Packages (instillation & configuration)
- Office Automation
- Software Packages
- Use Computer in E-Learning
- Selected topics in CS , CIS , (Oracle SQL, PL/SQL, Forms, Reports ...)
- Oracle (Database & Developer)
- Software Engineering Project Management and Supervision
- Software Engineering 1
- Follow up the Students Training in Software Engineering Department.
- Graduation Project in SE
- E-Commerce EC
- IT Information Technology
- Human Computer Interaction HCI
- Product Interactivity
- Electronic Media
- Data Structure, Algorithms
- Java Programming Language
- E-Learning and Multimedia
- Introduction to Multimedia Systems
- Multimedia Communication Networks
- Cinema 4D, Multimedia Production Tools
- Mat Lab
- PHP, ASP.Net, C#
- Undergraduate projects, Research Projects

12. Professional experience

Date from - Date to	Location	Company	Position	Description
1993-2000	Amman	Unified Company	IT Manager & DBA and Network Administrator	<p>Follows up the software applications, hardware maintenance, upgrade the system; generate new system and managing the Company's overall information technology.</p> <ul style="list-style-type: none"> - Using VAX/VMS systems and mainframe computers using RDB and COBOL Language with Forms. - Using LAN's and PC computers and PC servers and dual servers. - Using WAN networks, exchange server application server. - Using VPN network WAN and LAN networks. <p>My positions in this experience are: (My experiences are variants)</p> <ul style="list-style-type: none"> • IT manager • Project manager • Team leader • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Training employees • Supervised the Web site design and updates
1995-2000	Amman	AREA for Computer Systems and Applications	DBA and Network Administrator & System Analyst and QA	<ul style="list-style-type: none"> • Project manager • Team leader • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Supervised the Web site design and updates

2000-2003	Amman	Investment Barter Company PLC	IT Manager & Systems Auditing QA	<ul style="list-style-type: none"> • Network Administrator (WAN, LAN and VPN) • Website Administrator • Managing and upgrading the Application Systems • IT Software and Hardware Consultant • DBA • System analysis • System upgrades • Hardware and Software maintenance • Exchange server • Mail server • Application server • Network Administrator • Monitoring clients control system • DVR monitoring system via internet • VPN network and leased line • Supervised the Web site design and updates
1992	Amman	Al Omariah School	IT Supervisor & Computer Teacher	IT Supervisor & Computer Teacher
1995-2003	Amman	Sub-Projects	IT Analysis	IT Programmer IT Analysis IT Project manager IT QA
2007-2009	Amman	JUMP Org.	IT Independent Consultant	IT Software & Hardware Consultation
2003 - 2018	Amman	AL-Zaytoonah University	Software Engineering Instructor	Teach all SE courses and undergraduate projects

13. Projects and tasks carried out in the past years (using the following table format)

Date	Country	Client	Project Name and Brief Description	Value of Project	Employer	Role of Consultant	Execution period	Status
	Amman	NAQEL company	Diagnostic Study of the Computer Department Functionality ERP		NAQEL Company	Analysis the computer department functionality	2 Months	Accepted Done
	Amman	NAQEL company	Diagnostic Study of HR department and upgrade personal systems ERP		NAQEL Company	Study the HR system and implementation	3 Months	Accepted Done
	Amman	NAQEL company	Full Integrated System for the Transportation and maintenance Process		NAQEL Company	Full ERP Solution	12 Months	Accepted Done

			Full ERP Solution					
	Amman	Jordan Plastic company	Diagnostic study of the row material machines optimization ERP		Jordan Plastic company	The optimization of the requirements of the row material relative to machine templates	3 Months	Accepted Done
	Amman	Snabel AL Khair Schools	Diagnostic study of the integration system for the school ERP		Snabel AL Khair Schools	ERP (ENTERPRIS E RESOURCE PLANNING) system HR system Transport Bus System Finance System Storing System	6 months	Accepted Done
	Amman	Golden Tire Company	Diagnostic study and implementation full system ERP		Golden Tire Company	ERP (ENTERPRIS E RESOURCE PLANNING) system	6 months	Accepted Done
	Amman	International Barter Transport and Investment Company	Full integrated Diagnostic Study for the Transportation Process ERP		International barter Transport and Investment Company	ERP (ENTERPRIS E RESOURCE PLANNING) system	10 months	Accepted Done
	Amman	Many Companies	Full integrated Multimedia systems and web site methodology		Many Companies	Web Site and training multimedia system for learning E-Learning	6 months	Accepted Done
	Kingdom of Saudi Arabia	Car Trading Company	Full ERP Solution		Car Trading Company	Car Trading Company	6 months	Accepted Done
	Amman	Unified Company	Full integrated System ERP		Transporting Services Company	Full integrated System ERP	6 months	Done
	Amman	Bahar Shoe Company	Diagnostic study of the Business Process Via JUMP Org. & Financial and Product lines System		Bahar Shoe Company	Financial and Product lines System	4 months	Done
	Amman	AL-Zaytoonah University	Distributed Control System Via Mobile and LAN/WAN Networks Research Project		AL-Zaytoonah University	Remote control and monitoring system	8 months	Done

14. Other Relevant Information (e.g., Publication)

https://www.researchgate.net/profile/Akram_Abdelqader

<https://www.linkedin.com/in/akram-abdel-qader-b6a66618/>

Research Gate: https://www.researchgate.net/profile/Akram_Abdelqader

Thomson Reuters: <http://www.researcherid.com/rid/C-1454-2015>

PublicationList.Org: <http://publicationslist.org/Akram.AbdelQader>

Academia: <https://zuj.academia.edu/AkramAbdelQader>

Google Scholar: https://scholar.google.co.uk/citations?hl=ar&user=VJMNQVoAAAAJ&view_op=list_works&sortby=pubdate

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Website: <http://www.researcherid.com/rid/C-1454-2015>

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Akram A. Abdel Qader, PhD, De-Montfort University UK

https://www.researchgate.net/profile/Akram_Abdelqader

Education

- Oct 2011 – Jun 2017* **De Montfort University, Leicester, United Kingdom**
PhD, Doctor of Philosophy, Computer Science, Image Processing and Pattern Recognition
Leicester, England, United Kingdom
- Oct 2001 – Jun 2003* **University of Jordan**
Master of Science on Research, Computer Science & Information Technology
Amman, Amman, Jordan
- Oct 1987 – Jun 1991* **University of Jordan**
Bachelor of Science, Computer Science
Amman, Amman, Jordan

Research Experience

- Oct 2019 – present* **Reviewer**
review activity for **Multimedia Tools and Applications**
journal, Multimedia Tools and Applications
ISSN : 1380-7501

Indexed in
SCOPUS, Science Citation Index Expanded (SciSearch)
ACM Digital Library & others
- Mar 2017 – present* **Reviewer**
Al-Zaytoonah University of Jordan, Department of Multimedia
Systems
Reviewing two papers for the Fifth International Conference of
Advanced Computer Science & Information Technology (ACSIT)
- Mar 2017 – present* **Reviewer**
Al-Zaytoonah University of Jordan, Department of Multimedia
Systems
, Canada

Reviewing a paper for IET Software in related IET journal topics.
IET Features:
Impact Factor: 0.473
5-year Impact Factor: 0.703
SNIP: 1.302
SJR: 0.501
- May 2015 – May 2015* **IT Conference Reviewer**
The 7th International Conference on Information Technology,
Multimedia Department
Amman, Amman, Jordan

The 7th International Conference on Information Technology
Reviewer
- Mar 2015 – present* **Reviewer**
Asian Journal of Mathematics and Computer Research, Asian
Journal of Mathematics and Computer Research
Spinningfields, Manchester, M3 3EB, UK, United Kingdom

Research Reviewer
- Sep 2014 – Oct 2014* **Reviewer Manuscript for British Journal of Mathematics & Computer Science**
British Journal of Mathematics & Computer Science, Reviewer
Amman, Jordan

Review the paper
"Software Development Models for Computer Based Workplace
Attendance Management System"

Statistics

RG Score 5.81, h-Index 4
Publications 27
Reads 5,577
Citations 38

Skills & Activities

Skills Computer Vision, Pattern Recognition, Classification, Java Programming, Pattern Classification, Image Processing, Machine Learning, Signal, Image and Video Processing, Signal Processing, Image Segmentation, Object Recognition, Digital Image Processing, Clustering, Advanced Machine Learning, Feature Extraction, Face Recognition, Medical and Biomedical Image Processing, Multimedia Analysis, Wireless Networks, Bluetooth, Distributed Databases, Database Monitoring, Mobile Computing, Mobile Monitoring System, Multi-Function Control System, Distributed Algorithms, Mobile/Wireless Networks, Reverse Engineering, Distributed Data Mining, OCR, Use Cases, Unified Modeling Language, Pattern Matching, Distributed Computing, Requirements Engineering, Requirements Analysis, Validation Methods, Database Security, security requirements, Evaluating Scenarios, Computer Technology, Segmentation, Feature Selection, Image Recognition, Shape Analysis, Dynamic Segmentation, Database Administration, GSM, Mobile Applications, Data Mining, Oracle Applications, Source Coding, Web Designing Development, Web Mining, Distributed Control Systems, Software Engineering, Java Language, Modems, Artificial Intelligence

Languages Arabic, English

Scientific

Memberships

Interests Software Engineering, Reverse Engineering, Pattern Recognition

Publication Highlights

Books

Akram A. Abdelqader: *Information Technology*. First Edition 05/2013; AL-Yazori.

Akram A. Abdelqader, Dr. AbdelFatah Tamimi, Khaled Mustafa: *Computer Skills*. first edition 03/2012; AL-Yazori.

Journal Publications

Akram A. Abdelqader A New Novel Hybrid Dynamic Color Segmentation Model for Road Signs in Noisy Conditions, IJSI: Volume 9, Issue 3, Article 1. **September 2021.**

Akram A. Abdelqader and Khalil Awad: *A Novel Reservation Model Based on Intelligent Requirement Elicitation Technique Using SVM Classifier* Journal of research and surveys on Innovative Computing, Information and Control (abbreviated as ICIC). ICIC Express Letters is published by ICIC, pp.845-85, DOI: 10.24507/icicel.14.09.845, Volume 14, Number 9, September 2020.

Akram A. Abdelqader: *A novel intelligent model for classifying and evaluating non-functional security requirements form scenarios.* Indonesian Journal of Electrical Engineering and Computer Science Vol. 15, No. 3, **September 2019**, pp. 1578~1585 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v15.i3.pp1578-1585, Available from: https://www.researchgate.net/publication/339802077_A_novel_intelligent_model_for_classify_and_evaluating_non-functional_security_requirements_form_scenarios.

Mohammed Lafi, Akram Abdel Qader: *A novel dynamic integrated model for automated requirements engineering process.* International Journal of Computer Applications in Technology 12/2017; Vol. 56(No. 4)., DOI:10.1504/IJCAT.2017.1000994

Mohammed Lafi, Akram AbdelQader: *A Novel Automated Requirements Prioritization and Selection Model Based on Requirements Weights and Stakeholder Importance.* International Journal of Information Technology 04/2017; 4(4).

Akram A. Abdelqader, Fadel AlTamimi: *A Novel Image Steganography Approach Using Multi-Layers DCT Features Based on Support Vector Machine Classifier.* DOI:10.5121/ijma.2017.9101

Mohamad I. Mouhirat, Akram AbdelQader, M. AL Roajbeh: *A novel approach to generate distributed global and local use cases: A new notation.* Journal of Theoretical and Applied Information Technology 09/2016; 91(1):1-11.

M.I. Muhairat, A. Abdelqader, M. Al Rawajbeh: *A novel approach to generate distributed global and local use cases: A new notation.* Journal of Theoretical and Applied Information Technology 09/2016; 91(1):1-11.

Akram A. Abdelqader, Mohammad I. Muhairat: *A Mathematical Model to Verify a Reverse Engineering Approach Which Convert Form Fill Format into UML Class Diagram.* International Journal of Software Engineering and its Applications 06/2016; Vol. 10(No. 5 (2016)):pp. 45-60., DOI:10.14257/ijseia.2016.10.5.05

Akram A. Abdelqader, Mohammad I. Muhairat: *A New Reverse Engineering Approach to Convert Form Fill Format Document into UML Class Diagram.* 11/2014; Vol.5(No.6):75 - 86., DOI:10.5121/ijsea.2014.5605

Dr. Afif J. Almghawish, Dr. Akram AbdelQader, Mohammad AbuMahfouz: *"Software Application to Monitor and Control Distributed System Based On Mobile / Bluetooth Networks"*, Dr. Afif J. Almghawish, Akram Abdel Qader, Mohammad AbuMahfouz Computer Science department Al-Zaytoonah University of Jordan Amman, Jordan..

Afif Mghawish, Akram A. AbdelQader, Mohammad AbuMahfouz: *"NEW SOFTWARE MODEL FOR DYNAMIC MOBILE MULTI FUNCTION MONITORING SYSTEM"* European

Akram A. Abdelqader, Afif Mghawish: *DISTRIBUTED MULTI CONTROL MONITORING APPLICATION (DMCMA) BASED ON MOBILE/WIRELESS NETWORKS"*, Afif Mghawish¹, Akram Abdel Qader², Mohammad AbuMahfouz³ ^{1,2, and 3} Department of Computer Science, Al-Zaytoonah University of Jordan, Airport Street, Amman Jordan, Idrafif@zuj.edu.jo, 2akrama@zuj.edu.jo, 3sunsetmay_21@yahoo.com.

Akram A. Abdelqader, Khaled Musa: *"Distributed Graphical User Interfaces to Class Diagram: Reverse Engineering Approach using Pattern Recognition"* Akram Abdel Qader, Khaled Musa Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan Akrama@zuj.edu.jo Dr.khalid@zuj.edu.jo. DOI:10.5121/ijsea.2013.4302

Dr.AkramAbedelKarim Ahmad AbdelQader, Dr.Mohammed Abbas Fadhil Al-Husainy: *"Electronic Student Attendance Recording System"*,Dr.AkramAbedelKarim Ahmad AbdelQader,Dr.Mohammed Abbas Fadhil Al-Husainy, Department of Multimedia Systems, Faculty of Sciences and Information Technology, Al-Zaytoonah University of Jordan..

Mohammad I. Muhairat, Rafa E. Al-Qutaish, Akram A. Abdelqader: *UML Diagrams Generator: A New CASE Tool to Construct the Use-Case and Class Diagrams from an Event Table.* Journal of Computer Science 03/2010; 6(3):253-260.

Projects

- Software Development for Solving Class Management System Problems Using AI, Funded Research Projects at Al-Zaytoonah University, 2020
- A Novel Integrated Approach for Software Requirements Documentation and Management: Developing a Reverse Engineering Approach to Generate UML Models from Graphical User Interfaces of Web Applications for the Funded Research Projects at Al-Zaytoonah University, 2018
- Distributed Control System Via Wireless Networks (Mobile Networks and WAN), Funded Research Projects at Al-Zaytoonah University, 2013
- Electronic Student Attendance Recording, Funded Research Projects at Al-Zaytoonah University, 2016

Patents

Akram A. Abdelqader, Dr. Afif J. Almghawish: Distributed Control System Via Wireless Networks (Mobile Networks and WAN). Ref. No: Research Project supported by AL-Zaytoonah University, Year: 12/2013

Conference Proceedings

- Khaled Musa, Akram A. Abdelqader: "Evaluating Scenarios Based on Security Requirements" Khaled Musa, Akram Abdel Qader, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan Dr.khalid@zuj.edu.jo, Akrama@zuj.edu.jo The 6th International Conference on Information Technology 2013, IEEE Jordan Chapter ISSN 2306-6105 ISBN 978-9957-8583-1-5. The 6th International Conference on Information Technology 2013, IEEE Jordan Chapter ISSN 2306-6105 ISBN 978-9957-8583-1-5, Al-zaytoonah University, Jordan Amman; 05/2013*
- Afif Mghawish, Akram A. AbdelQader, Mahmoud A. Al-Jezawi, Mohammad AbuMahfouz: "Multi Function Control System using GSM modem Based SM5100B Module" The 7th International Conference for Internet Technology and Secured Transactions (ICITST-2012) in London, UK. 12 2012 Authors: Afif Mghawish, Akram A. AbdelQader, Mahmoud A. Al-Jezawi and Mohammad AbuMahfouz.. International Conference for Internet Technology and Secured Transactions (ICITST-2012) in London, UK. 12 2012 Copyright © 2012 ICITST-2012 Technical Co-Sponsored by IEEE UK/RI Computer Chapter, London UK; 12/2012*
- A. *Mghawish, A.A. AbdelQader, M.A. Al-Jezawi, M. AbuMahfouz: Multi function control system using GSM modem based SM5100B Module. Internet Technology And Secured Transactions, 2012 International Conference for; 01/2012*
- A Model for Manipulating Images over Wireless Network of Clients/Satellite (distributed systems)
 -
 - Participate in al Kuwait First Remote Sensing **Conference** in “image manipulating over wireless networks”.
 - Prepare a paper in using distributed database over wireless networks.
 - Paper in SE “A model to generate a Use Case Diagram and Class Diagram from Event Table” Published at:
http://www.scipub.org/scipub/detail_issue.php?V_No=56&j_id=jcs#
 - Paper in control systems “Control systems management over Mobility networks”.
 - Multi-Function Control System using GSM modem Based SM5100B Module **ICITST-2012** Technical Co-Sponsored by IEEE UK/RI Computer Chapter
 - Distributed Graphical User Interfaces to Class Diagram: Reverse Engineering Approach using Pattern Recognition International Journal of Software Engineering & Applications(**IJSEA**), **Vol.4, No.3, May 2013**
<http://www.airccse.org/journal/ijsea/current2013.html>
 - EVALUATING SCENARIOS BASED ON SECURITY REQUIREMENTS **ICIT 2013** The 6th International Conference on Information Technology Sponsored by **IEEE** Al-Zaytoonah University
 - Electronic Student Attendance Recording System International Journal of Computers & Technology Volume **4 No. 2, March-April, 2013, ISSN 2277-3061**
 - DISTRIBUTED MULTI CONTROL MONITORING APPLICATION (DMCMA) BASED ON MOBILE/WIRELESS NETWORKS. (**IJCSIT 2013**) INTERNATIONAL JOURNAL OF COMPUTING SCIENCE AND INFORMATION TECHNOLOGY

Field of research in my Master thesis in GIS and distributed systems:

Field of research in my PhD thesis Image Processing and Pattern Recognition, Machine Learning

15. Training Courses:

- Oracle SQL 9i,10G 2nd
- Oracle PL/SQL 9i,10G
- Oracle Forms 9i,10G
- Oracle Reports 9i,10G
- Oracle DBA
- Rational Testing Packages (IBM Rational Packages) (Software Engineering Tool)
- Networking (clients and servers) (application servers) windows NT
- Multimedia Packages for E-Learning Systems
- Training of Trainers on the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- 3D MAX
- Final Cut
- Toon Boom Animation Studio
- CINEMA 4D Studio