

Ahmad Ali AlZubi

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Summary of Qualifications:

- Expert Professor with more than **20** years of experience in Curriculum Design, Development and Implementation for undergraduate and postgraduate programs.
- **ISO 27001** Certified Lead Auditor.
- Certified **CISCO** Trainer **CCAI. (CCNA v7)**
- Digital Forensic and Intelligence Expert (Cybersecurity, Windows and Memory Forensic, Network Forensic and Incident Response, Open Source Intelligence (**OSINT**), Malware Analysis).
- Expert in Strategic Planning with more than 10 years in this field with higher education institutions and government agencies.
- 7 years of experience in consulting and assisting government agencies in strategic planning and developing operational plans to government digital transformation.
- Long experience in defining, implementing, measuring and following up Key Performance Indicators for business strategy development and analytics.
- Expert in **QA** of Higher Education Institutions with more than **12** years of experience.
- Expert in Academic Programs Accreditation with more than **12** years of Experience.
- Consultant and certified reviewer at Education & Training Evaluation Commission (**ETEC**)/ National Center for Academic Accreditation and Evaluation (**NCAAE**) for Institutional and Program Accreditation. Ministry of Education/Saudi Arabia.
- Consultant and certified reviewer of Education & Training Evaluation Commission (**ETEC**)/ Saudi Qualification Framework (**SAQF**) – Ministry of Education/Saudi Arabia.
- Member of **KSU BOAs** (Board of Assessors at King Saud University).
- More than 10 years of experience in management of diverse and multi-tasked teams in the fields of Education, Telecommunication, service automation, and Information Technology.
- More than 12 years' experience in Higher Education Institutions Accreditation (Institutional and Program levels in both National (**NCAAA**) and International (**COE**) Accreditations).
- Consultant and expert in the field of Services Automation, E-Government Measurement, Knowledge Management, and Decision Support Systems.
- More than 20 years as an educator, supervisor and trainer in the fields of Computer Science, **IT**, **CISCO**, **TQM** and other Technical skills.
- More than 10 years of experience in administering different Computer Engineering/Science Departments with a diverse teaching staff (from different countries, different culture backgrounds, different ages).
- Have published more than 50 articles in international journals with IF.

Work History:

King Saud University / Department of Computer Science, Saudi Arabia

Professor

- Member of Board of Assessors at King Saud University (**KSU BOAs**). from 1/1/2017 till now.
- Head of College Development and Quality Unit / King Saud University from 1/1/2017 till now.
- Head of Computer Science Department for 4 years (With 44 faculty members from different countries and with different cultures and different backgrounds)
- Conducting lectures and preparing the material for graduate and undergraduate students (Taught more than 8 courses for Graduates and Undergraduates)
- Heading the Self Study Report Committee of the Computer Science department for 2 years

19/02/2006

To Date

- Heading the Programs and Curricula Committee. And designed 3 new programs (Web Design, Graphics Design, and Smart Devices Application Development)
- Initiated a partnership between our college with the ministry of Communications and IT for students' field training.
- Researching on different fields (have more than **50** research papers published in Int. Scientific Journals with IF (**ISI**) including more than 8 conferences)
- Head of Standard Four Committee (Learning and Teaching) for national Accreditation (**NCAAA**).
- Head of Standard Two Committee (Teaching and Learning) for Council on Occupational Education (**COE**). Achieved International Accreditation.
- Head of Programs and Curricula Committee.
- Providing guidance to students for developing their career as well as making them familiar with different career opportunities.

Ministry of Education / Education & Training Evaluation Commission (ETEC), Saudi Arabia.

Consultant and Certified Reviewer.

01/09/2017
To Date

- Consultant and certified reviewer at Education & Training Evaluation Commission (**ETEC**) / National Center for Academic Accreditation and Evaluation (**NCAAE**) for Institutional and program accreditation., from 1/4/2020 till now.
- Consultant and certified reviewer at Education & Training Evaluation Commission (**ETEC**)/ Saudi Qualification Framework (**SAQF**) – Ministry of Education/Saudi Arabia, from 1/1/2018 till now.

Ministry of Communication and Information Technology, Saudi Arabia

Member of the National Advisory Team for Measurement of the Transition to E-Government of Saudi Arabia

01/04/2013
30/10/2016

- Consulting and Assisting government agencies in strategic planning and developing operational plans to government digital transformation.
- Defining KPIs and developing the survey tool for measuring digital transformation of government agencies.
- Providing government agencies with consultancy regarding transformation to **E-GOV**.
- Measuring the Transition process to **E-GOV** by site visiting.

King Saud University / King Saud University E-Portal

Manager of King Saud University Repository Project.

01/04/2009
31/10/2009

- Supervising a team of 26 members (programmers, developers, designers) to develop the King Saud University, I had to take care of the final settings and configuration to connect to Active Directory of the University.

Al-Balqaa' Applied University/ Faculty of Engineering/ Department of Computer Engineering, Jordan

01/09/2000
12/02/2006

- Head of Computer Engineering/Computer System Engineering for 3 years.
- Established 3 labs (Computer Networks Lab, Database Lab, Communications Lab)
- Teaching different courses for graduate and undergraduate students (Computer Networks, Database, compilers etc..)
- Supervising Graduation Projects.
- Head of Programs and Curricula Committee.
- Researching on different fields
- Providing a guidance to the students for developing their career as well as making them familiar with different career opportunities

Academic and Research Appointments:

1. PI of Research Group "Computer Tools in Big Data Analysis and Biomedical Application" funded by Deanship of Scientific Research/King Saud University. Since 1/6/2017
2. Member of Research Group "Computational Tools in Biomedical Informatics and Big Data Manipulation" funded by Deanship of Scientific Research/King Saud University since 1/10/2018.
3. Team member of a Research Project "Evaluation Procedure of the Efficiency of Teaching and Learning Outcomes" sponsored by King Saud University.

4. Working on research project “The Role of E-Government in Combating Against Corruption in Public Sector” Sponsored by Ministry of Communications and Information Technology / Saudi Arabia.

Education:

01/09/1995	<u>Ph.D</u> in Computer Networks Engineering, National Technical University of Ukraine,
08/12/1999	Faculty of Information and Computer Engineering, Kiev, Ukraine.
01/09/1988	<u>M.Sc.</u> and <u>B.Sc.</u> with honors (GPA 4,98/5) in Computers, Complexes, Systems and
25/06/1995	Networks, Technological University of Podillia, Khmelnytsky, Ukraine.
01/07/1987	Jordanian Tawjeehi (12 th grade secondary School 84.5/100), Salt, Jordan
15/06/1986	High School Diploma, West Iredell High School, 1986, Statesville, North Carolina, USA

Publications:

1. Ahmad Ali AlZubi, Ahed Abugabah, Machine Learning Techniques for Quantification of Knee Segmentation from MRI, Complexity, MDPI, Accepted for publishing, 2020.
2. Ahmad Ali AlZubi, Ahed Abugabah, Sparse Aware Noise Removal Technique Using Convolution Neural Network for Knee Magnetic Resonance Imaging, *Sensors*, MDPI, Accepted for publishing, 2020.
3. Ahmad Ali AlZubi, Ahed Abugabah, COVID-19 Future Forecasting Using Supervised Machine Learning Models, Software and Practice, Accepted for publishing, 2020.
4. Ahmad Ali AlZubi, Ahed Abugabah, A Novel Multi-Layered Fuzzy Logic-based Medical Expert System For Diagnosis Of Cardiovascular Disease, CMC, Tech Science, Accepted for publishing, 2020.
5. Ahmad Ali AlZubi, Ahed Abugabah, A Comprehensive Review on Medical Diagnosis using Machine Learning, CMC, Tech Science, Accepted for publishing, 2020.
6. Ahmad Ali AlZubi MOHAMMED AL-MAITAH, OSAMA ALFARRAJ, WALEED S. ALNUMAY AHED ABUGABAH, Intelligent Traffic Engineering in Software-Defined Vehicular networking Based on Multi-Path Routing, IEEE ACCESS, (ISI), Volume: 8, Pages: 62334-62342 ,2020.
7. Ahmad Ali AlZubi, Ahed Abugabah, Feras Al-Obeidat, Abdulaziz Alarifi, Ayed Alwadain; Data mining techniques for analyzing healthcare conditions of urban space-person lung using meta-heuristic optimized neural networks; Cluster Computing (ISI); published online, May 2020.
8. Ahmad Ali AlZubi, Abdulaziz AlArifi , Mohammed Al-Maitah, Deep brain simulation wearable IoT sensor device based Parkinson brain disorder detection using heuristic tubu optimized sequence modular neural network, Measurement, (ISI), 161, 2020.
9. Jin Wang, Wenbing Wu, Zhuofan Liao, R Simon Sherratt, Gwang-Jun Kim, Osama Alfarraj, Ahmad Ali AlZubi, Amr Tolba, A probability preferred priori offloading mechanism in mobile edge computing, IEEE ACCESS (ISI), Volume: 8 Pages: 39758-39767 Published: 2020
10. Ahmad Ali AlZubi, Abdulaziz Alarifi, Waleed Alnumay, Machine Learning based Channel Analysis for User Concentric Optical Switching Networks, CIRCUITS SYSTEMS AND SIGNAL PROCESSING (ISI), Volume: 39 Issue: 2, Pages: 1178-1194 Published: FEB 2020
11. Ahmad Ali AlZubi, Abdulaziz Alarifi, Ayed Alwadain Multimodal Learning Optimization for Enhancing Channel Usage in Wireless Communication, CIRCUITS SYSTEMS AND SIGNAL PROCESSING (ISI), Volume: 39 Issue: 2, Pages: 1146-1162 Published: FEB 2020 (ISI)
12. Ahmad Ali AlZubi, Abdulaziz Alarifi, Mohammed Al-Maitah, A Best-fit Routing Algorithm for non-redundant Communication in Large-Scale IoT based Networks, Journal of Computer Networks (ISI),, Volume: 152 Pages: 106-113 Published: APR 2019
13. Ahmad Ali AlZubi, Alarifi, Abdulaziz; ; Al-Maitah, Mohammed; An optimal sensor placement algorithm (O-SPA) for improving tracking precision of human activity in real-world healthcare systems, COMPUTER COMMUNICATIONS (ISI), Volume: 148 Pages: 9-16 Published: DEC 15 2019
14. Ahmad Ali AlZubi, Mohammed Al-Maitah. ENHANCED COMPUTATIONAL MODEL FOR GRAVITATIONAL SEARCH OPTIMIZED ECHO STATE NEURAL NETWORKS BASED ORAL CANCER DETECTION, Journal of Medical Systems. (ISI), Volume: 42 Issue: 11 Article Number: 205 Published: NOV 2018
15. Ahmad Ali AlZubi, Mohammed Al-Maitah, Abdulaziz Alarifi, An Optimal Storage Utilization Technique for IoT Devices using Sequential Machine Learning, Journal of Computer Networks (ISI),, Volume: 152 Pages: 98-105 Published: APR 2019
16. Abdulaziz Alarifi, Ahmad Ali AlZubi, Study of soft-tissues borderline class I malocclusion on tooth extraction and non-extraction process using medical IoT device, Measurement(ISI), Volume: 134 Pages: 923-929 Published: FEB 2019
17. Osama Alfarraj, Ahmad Ali AlZubi Amr Tolba, Salem Alkhalaf, Neighbor predictive adaptive handoff algorithm for improving mobility management in VANETs, Journal of Computer Networks (ISI), Volume: 151 Pages: 224-231 Published: MAR 2019.

18. Abdulaziz Alarifi, Ahmad Ali AlZubi, MEMETIC SEARCH OPTIMIZATION ALONG WITH GENETIC SCALE RECURRENT NEURAL NETWORK FOR PREDICTIVE RATE OF IMPLANT TREATMENT, Journal of Medical Systems (ISI),. Volume: 42 Issue: 11 Article Number: 202 Published: NOV 2018feature
19. Ahmad Ali AlZubi, Osama Alfarraj, Optimized Feature Selection Algorithm Based on Fireflies with Gravitational Ant Colony Algorithm for Big Data Predictive Analytics, Journal of Neural Computing and Applications (ISI). Volume: 31 Issue: 5, Pages: 1391-1403 Published: MAY 2019
20. Ahmad Ali Al-Zubi, BIG DATA ANATICS FOR DIABETICS USING MAPREDUCE AND CLASSIFICATION TECHNIQUES, Journal of Supercomputing (ISI). 2018
21. Osama Alfarraj, Ahmad Ali AlZubi, A novel approach for ranking customer reviews using a modified PSObased aspect ranking algorithm, CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS (ISI), Volume: 22 Issue: 2 Pages: S3175-S3181 Published: MAR 2019
22. Ahmad Ali Al-Zubi A NEW METHOD ORIENTED APPROACH FOR FORMING MULTIPATH ROUTING IN CLOUD COMPUTING STRUCTURE TO ACCESSING THE PROTEIN FOLDING INFORMATION Journal of Medical Imaging and Health Informatics (ISI),Vol. 8, 2018,
23. Ahmad Ali Al-Zubi, BITTORRENT PROTOCOL FOR MOBILE HEALTH CARE SYSTEM IN HYBRID P2P NETWORK ARCHITECTURE, Journal of Medical Imaging and Health Informatics (ISI),Vol 7, 2017,
24. Ahmad Ali Al-Zubi, Modified Hierarchical Method for Task Scheduling in Grid Systems. (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 8, No. 3, 2017
25. Ahmad Ali Al-Zubi, Improving the Efficiency of the Task Scheduling Process in Grid System Based Quantum Technology, Journal of Software, 2017.
26. Ahmad Ali Al-Zubi, A New Method for Extracting Key Terms from Micro-Blogs Messages Using Wikipedia, Research Journal of Applied Sciences, Engineering and Technology, Vol. 6(21): 4070-4076, 2013,UK.
27. Ahmad Ali Al-Zubi, Turki Al-Tameem, Temporal Organization of Data for Solving Problems of Computer Information Systems (CIS), International Journal of Future Computer and Communication(IJFCC), Vol.1(3): 238-241,2012,Singapore(DOI: 10.7763/IJFCC.2012.V1.63)
28. Ahmad Ali Al-Zubi, Identification of Threats Sources to Information Systems. Canadian Journal on Network & Information Security, Vol. 1, No. 3, April 2010, Canada.
29. Ahmad Ali Al-Zubi, Optimization of Digital Controllers for Fuzzy System Design, , International Journal of Computer Science and Systems, Vol 1, No 3, PP:40-46 , 2010, Czech Republic.
30. Ahmad Ali Al-Zubi, A Hybrid Method for Extracting Key Terms of Text Documents, International Journal of Video & Image Processing and Network Security, Vol:10 No: 02, PP:8-13, 2010, Pakistan.
31. Ahmad Ali Al-Zubi, System Design for Data Registration and Analysis, International Journal of Engineering & Technology, Vol 10, No 1, PP:9-15, 2010, Pakistan.
32. Ahmad Ali Al-Zubi, Imtiaz Basha, Six Sigma in Libraries: A Management Perspective, Canadian Journal on Computing in Mathematics, Natural Sciences, Engineering & Medicine, Vol. 1, No. April 2010, Canada.
33. Mohammad Al-Hiari, Ahmad Ali Al-Zubi, An Optical Memory Design with Logical-Time Representation of Information for Sorting Arrays of Numbers, European Journal of Scientific Research,Vol.38 No.4 (2009), pp 612-618. Czech Republic.
34. Ahmad Ali Al-Zubi, Mathematical models of LAN functioning with buss topology, International scientific magazine "Measuring and computing techniques in technological processes" N 1, 1997, Khmelnsky, Ukraine.
35. Ahmad Ali Al-Zubi, Analysis of ring network performance with token access methods, International scientific magazine "Measuring and computing techniques in technological processes", N 2, 1997, Khmelnsky, Ukraine.
36. Ahmad Ali Al-Zubi, Efficiency evaluation of MAP/TOP in control networks of technological processes, International scientific magazine "Measuring and computing techniques in technological processes", N 2, 1997, Khmelnsky, Ukraine.
37. Ahmad Ali Al-Zubi, Mathematical models of token access methods in ring networks, "Information, control, computing techniques", N 31, 1998, Kiev, Ukraine.
38. Ahmad Ali Al-Zubi, Analysis of throughput of data transmission systems, "Information, control, computing techniques", N 31, 1998, Kiev, Ukraine.
39. Ahmad Ali Al-Zubi, Realization of random access methods (CSMA/CD) in Optical fiber networks, International scientific magazine "Measuring and computing techniques in technological processes", N 1, 1998, Khmelnsky, Ukraine.
40. Ahmad Ali Al-Zubi, Mathematical analysis of data stream in system with closed bounds, International scientific magazine "Measuring and computing techniques in technological processes", N 3, 1999,

Khmelnitsky, Ukraine.

41. Ahmad Ali Al-Zubi, Access procedure to transmission media on the base of logical channels organization, International scientific magazine "Measuring and computing techniques in technological processes", N 2, 1999, Khmelnitsky, Ukraine.

Conferences:

1. Ahmad Ali AlZubi, Thamer Alhussain, Osama AlFarraj, , Salem Alkhalaf, Development of an Information Security Management Model for Enterprise Automated The 34-th International Conference on Advanced Information Networking and Applications (AINA-2020), 15-17\4\2020, "Luigi Vanvitelli", Caserta, Italy
2. Ahmad Ali AlZubi, Osama AlFarraj, , Salem Alkhalaf, Thamer Alhussain, Asma AlKhalaf, Modified Algorithm for Enhancing the Performance of Grid Systems in Task Scheduling, The 13-th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing (IMIS-2019), July 3-5, 2019 at the University of Technology Sydney, NSW, Australia.
3. Ahmad Ali Al-Zubi, Extracting Key Terms From Micro-Blogs Messages Using Wikipedia, International Conference on Computer Science and Applications 2013 (ICCSA), San Francisco, California, USA, October 23-25, 2013.
4. Ahmad Ali Al-Zubi, Problems of Information Security In Temporal Databases: An Analytical Study. The 2012 International Conference on Information and Knowledge Engineering (IKE'12), Las Vegas, Nevada, USA July 16-19, 2012.
5. Ahmad Ali Al-Zubi, Turki Al-Tameem, Temporal organization of data for solving problems of CIS, The 2012 International Conference on Computer and Business Management (ICCBM 2012), Singapore, 8-10/6/2012

Languages:

1. Arabic (mother tongue).
2. English (Excellent speaking, writing and reading (**IELTS 7.5**)).
3. Russian (Excellent speaking, writing and reading).
4. Ukrainian (Good speaking, writing and reading).

Awards and Accomplishments:

1. Trophy for Developing Community College Strategic Plan 2020, 2018.
2. Appreciation Certificate for participating in the "National Advisory Team for 6th Measurement of the Transition to E-Government of Saudi Arabia", 2016.
3. Appreciation Certificate for participating in the "National Advisory Team for 5th Measurement of the Transition to E-Government of Saudi Arabia", 2015.
4. NCAAA for Riyadh Community College. (Head of Computer Science Department), 2011.
5. COE for Riyadh Community College (Head of Computer Science Department and Standard II "Academic Programs"). 2010.
6. ISO for Riyadh Community College. (Head of Computer Science Department)
7. Appreciation Certificate from the Deanship of E-Transactions and Services at KSU for managing the "King Saud University Repository Project", 2009.
8. Second place financial award for the best faculty website among CC faculty staff. 2008.

Professional Associations Membership:

1. Member of **JEA** (Jordanian Engineers Association) since 2003.
2. Member of **IAENG** (International Association of Engineers and Computer Scientists) since 2013.

References: Available upon request.