Curriculum Vitae Template

Personal Information

Name	**Venus W. Samawi**
Academic Rank	Full professor/Computer Sciences
Nationality	Iraqi
Address	Amman/ Jordan
Contact Information	
Phone	
E-mail	venus.samawi@iu.edu.jo; dr_venus2004@yahoo.com
Research gate	https://www.researchgate.net/requests/h0dc3a297eed473ad002abab3/landing
Google Scholar	https://scholar.google.com/citations?user=M3KeGz4AAAAJ&hl=en

Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	**Year of Awarding**	
Ph.D.	Computer Science//pattern recognition	AL-Nahrain University	1995	1999	Iraq
MSc	Computer Science/system programming	AL-Nahrain University	1989	1992	Iraq
BSc	Computer Science	University of Technology	1983	1987	Iraq

Academic Experience

Duration (Years)	University	Position	Main Duties
2021(July) -	Isra University	IT/Full Professor	-Faculty member -Head and member at several university and college committees -Scientific research
2016-2021	Isra University	IT/Associate Professor	-Faculty member -Head and member at several university and college committees -Scientific research
2013-2016	Amman Arab University	IT/Associate Professor	-Faculty member -Head and member at several university and college committees
2008-2013	Al Albayt University	IT/Associate Professor	Faculty member -Head and member at several university and college committees -Supervising MSc theses -Scientific research
2007-2008	Philadelphia University	IT/Associate Professor	-Faculty member -Representative of the Department at Faculty Council, college of IT -Member at several university and college committees -Supervising MSc theses -Scientific research
2004-2007	Amman Arab University for Graduation Study	Associate Professor	-Faculty member -Member at several university and college committees -Supervising MSc graduation projects -Scientific research

Duration (Years)	University	Position	Main Duties
2002-2004	Al-Nahrain University	College of Since/ Associate Professor	-Faculty member -Director of Computer Science Department College of Science -Supervising MSc. & PhD theses -Scientific research
1999-2002	Al-Nahrain University	College of Since/ Assistance Professor	-Faculty member -Director of Computer Science Department College of Science -Supervising MSc. theses -Scientific research
1996-1999	Al-Nahrain University	College of Since/ Assistance Professor	-Faculty member -Postgraduate Student for Ph.D. degree
1993-1996	Al-Nahrain University	College of Since/ Instructor	-Faculty member -Director of Computer Science Department College of Science -Scientific research

Professional Experience

Duration (Years)	Institution	Job title	Main duties
1990-1993	Al-Nahrain University	IT technicians Part-time	HW& SW Maintains
1987-1989	The Arab Gulf States Information Documentation Center/Baghdad-Iraq.	System Analyst	System analyzer and database programmer

Training Courses

Course	Organizer	Date	Participant/ Instructor	language
Workshop "Planning for the Quality of Academic Programs"	Isra university	Sept/ 2022	instructor	A
Workshop "The correlation Matrix of learning outcomes with the learning objectives of the subjects" -IU faculties	Isra university	Oct./ 2021	instructor	A
Workshop "An Assessment Matrix to Measure the Achievement of Learning Outcomes"	Isra university	May / 2021	instructor	A
Workshop "An Assessment Matrix to Measure the Achievement of Learning Outcomes" **For the Accreditation and Quality Assurance Commission for higher education institutions.**	Isra university	June / 2021	instructor	A
Planning for academic programs (correlation matrix between learning outcomes of the program and the course objectives)	Isra university	Oct./ 2020	instructor	A
Workshop "How to prepare SOs correlation Matrix" for faculty of IT/IU	Isra university	Oct./ 2020	instructor	A
Course assessment workshop / for IU faculties	Isra university	Nov./ 2019	instructor	A
Course assessment and Preparing course file workshop/ IU faculties	Isra university	Oct./3 2019	instructor	A
Preparing SOs Map and course file workshop/ faculty of IT	Isra university	May/ 2018	instructor	A
Word and Excel training workshop for university employees	Amman Arab University	March /2016	instructor	A
Workshops for Faculty Development at Isra university	Isra university	2019-2022	Participant	A

Ref: Deans Council (7) Decision No. (15) **Date**: 4/11/2019
Ref: Quality Assurance Council Session (5) Decision No. (1) **Date**: 29/10/2019

Course	Organizer	Date	Participant/ Instructor	language
Improving Teaching Skills	Amman Arab University	2014, 2015	Participant	A
Arabian Education and Training Group with Al-Al-Bayt university, workshop	Al-Al-Bayt University	2011	Participant	E
JUNet (Jordanian university Network) with CyI(Cyprus Institute), workshop	Jordan university	2010	Participant	E
Mimesis-advance Training	The Arab Gulf States Information Documentation Center/Baghdad-Iraq.	June 1988	Participant	A/E

Publications

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Complex-valued Neural Networks with Super-Activation Function	The International Journal of Innovative Computing, Information and Control (IJICIC)	1349-4198	26(6)	2024	Japan
SS-DBSCAN: Semi-Supervised Density-Based Spatial Clustering of Applications with Noise for Meaningful Clustering in Diverse Density Data	IEEE Access	2169-3536	12	2024	USA
The Impact of Big Data Dimensions on the Performance of Jordan's Medical Sector: A Case Study of Al-Bashir Hospital	Journal of System and Management Sciences	1818-0523	14(6)	2024	Hong Kong
PDIS: A Service Layer for Privacy and Detecting Intrusions in Cloud Computing.	Int. J. Advance Soft Compu. Appl	2074-8523	14(2)	2022	Jordan

Paper title	Journal	ISSN	Vol. Issue	Year	Country
SMCSIS: An IoT-based Secure Multi-crop Irrigation System for Smart Farming	International Journal of Innovative Computing, Information and Control (IJICIC)	1349-4198	17(4)	2021	Japan
Investigating the Behavior, Quit Attempts, and Attitudes of Smoking Pharmacy Students in the Pharmacy Faculty at Isra University in Jordan	Journal of Pharmaceutical Research International	2456-9119	32(14)	2020	UK
Utilizing Arabic WordNet Relations in Arabic Text Classification: New Feature Selection Methods	International Journal of Computer Science (IJCS).	1819-9224 online 1819-656X Printed	46(4)	2019	Singapore
Foggy Degraded Images: A Restoration Approach Utilizing Neural Network	Journal of Theoretical and Applied Information Technology.	1992-8645	96(18)	2018	Pakistan
Securitizing Big Data Characteristics used Tall Array and MapReduce	International Journal of Engineering & Technology.	2227-524X	7(4)	2018	AUE
Arabic Keyword Extraction using SOM Neural Network	International Journal Of Advanced Studies In Computer Science And Engineering IJASCSE.	2278-7917	5(11)	2016	USA
The Effect of Combining Different Semantic Relations on Arabic Text Classification	The World of Computer Science and Information Technology Journal (WCSIT).	2221-0741	5(6)	2015	Jordan
Load Balancing Technique Based on Broadcasting & Residual Energy Using Adaptive Clustering Hierarchy Protocol	Science publication, Journal of Computer Science.	1549-3636	11(6)	2015	USA

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Enhancement of Arabic Text Classification Using Semantic Relations of Arabic WordNet	Science publication, Journal of Computer Science.	1549-3636	11(3)	2015	USA
Lexical Cohesion and Entailment-based Segmentation for Arabic Text Summarization	The World of Computer Science and Information Technology Journal (WCSIT).	2221-0741	5(3)	2015	Jordan
Fingerprint Identification Technique Based on Wavelet-Bands Selection Features (WBSF),	International Journal of Computer Engineering and Technology (IJCET).	0976-6367	4(3)	2013	Pakistan
Arabic Expert System Shell	International Arab Journal of Information Technology (IAJIT)	1683-3198	10(1)	2013	Jordan
Software Protection via Hiding Function Using Software Obfuscation	International Arab Journal of Information Technology (IAJIT).	1683-3198	10(6)	2013	Jordan

Books

Book Title	Publisher	Country	Edition	Year
Computational Science and Its Applications – ICCSA 2024. Lecture Notes in Computer Science, vol 14814. Book Chapter: The Effectiveness of Using AutoML in Electricity Theft Detection: The Impact of Data Preprocessing and Balancing Techniques	Springer	Swizz	1st	2024
From Industry 4.0 to Industry 5.0. Studies in Systems, Decision and Control, (SSDC, volume 470) Book chapter: An Automated System to Evaluate Learning Outcomes for Higher Education Programs.	Springer	Swizz	1st	2023
Mobile Computing and Wireless Networks: Concepts, Methodologies, Tools, and Applications/ Book chapter: Security In Mobile Computing	IGI	USA	1st	2016

Book Title	Publisher	Country	Edition	Year
Transactions on Engineering Technologies: WCECS 2015, World Congress on Engineering / Book Chapter: Web Retrieval with Query Expansion: A Parallel Retrieving Technique	springer	Singapore	1st	2015
Threat Detection and Countermeasures in Network Security/ Book chapter: Security In Mobile Computing	IGI	USA	1st	2015
Transactions on Engineering Technologies: World Congress on Engineering / Book Chapter: Traffic Light Control Utilizing Image Analysis.	Springer	Singapore	1st	2014

Conference

Scope	Name	Organizer	Date	Country	Participation (attendance–participate)	Peer–Reviewed (Yes /No)
Computational Science and Its Applications	*International Conference on Computational Science and Its Applications*	Thuyloi University, Hanoi Vietnam	1-4 July 2024	Vietnam	participate	yes
Quality Assurance in Higher Education	*The 10th International Arab Conference on Quality Assurance in Higher Education (IACQA'2022)*	Association of Arab Universities and Zarqa University,	16-18/11/2022	Jordan	participate	yes

Scope	Name	Organizer	Date	Country	Participation (attendance–participate)	Peer–Reviewed (Yes /No)
Artificial Intelligence And control systems	*2022 IEEE 13th Control and System Graduate Research Colloquium (ICSGRC)*	IEEE Control Systems Society, Malaysia Chapter	23-23 July 2022	Shah Alam, Malaysia	participate	yes
Big Data and Artificial Intelligence	*2022 IEEE 5th International Conference on Big Data and Artificial Intelligence (BDAI)*	IEEE	08-10 July 2022	Fuzhou, China	participate	yes
High-Performance Computing	International Conference on High Performance Computing & Simulation (HPCS 2018)	IEEE	16–20/7/2018	Orléans, France	participate	Yes
Signal and image processing	International Conference on Computational Science and Computational Intelligence (CSCI'17)	IEEE	14-16/12/2017	Las Vegas, USA	participate	Yes
Theoretical and applied engineering and computer science	World Congress on Engineering and Computer Science (WCECS 15)	IAENG	21-23 /10/2015 21-23 /10/2016	San Francisco, USA	participate	Yes

Scope	Name	Organizer	Date	Country	Participation (attendance– participate)	Peer– Reviewed (Yes /No)
Theoretical and applied engineering & computer science	The World Congress on Engineering (WCE)	IAENG	2-4/7/2014 5-7/7/2017	London, U.K	participate	Yes
Computer Science and Technology	International Conference on Computer Science and Automation Engineering (CSAE)	IEEE	25-27/5/2012	Zhangjiajie China	participate	Yes
Industrial electronics /signal processing	The 4th IEEE Conference on Industrial Electronics & Applications (ICIEA 2009)	IEEE/ Singapore chapter	25-27/5/2009	X'ian, China	participate	Yes
Industrial electronics /signal processing	The 3rd IEEE Conference on Industrial Electronics & Application, (ICIEA2008)	IEEE/ Singapore Chapter	3-5/7/2008	Singapore	participate	Yes

Research Interests

Specialization: Computer Sciences (**Pattern recognition and evolutionary computing**)
Domain of interest:

- Pattern recognition
- Evolutionary computing (N*eural Networks* and *Genetic Algorithms*)
- Image processing
- Network Security (*Intrusion Detection* and *Immunity Systems*)
- Wireless sensor networks
- Natural language processing
- IoT/ smart systems
- QA in high education – assessment of Intended learning and Program outcomes

Professional Memberships

- Member of the international association for Engineers and the computer scientists

Languages

Mother Tongue: Arabic

Other Languages: English (spoken and written)

Postgraduate Supervision (70 MSC and 4 PhD theses, Samples)

Title	Supervisee
Intelligent Automation in the Jordanian Social Security Corporation and its Impact on Services Recipient Satisfaction	Amani Mohammad Said Khdair
From Vulnerability to Resilience: Strengthening Small and Medium Enterprises Against Cyberattacks: Applied Study In Industrial Enterprises In Jordan.	Malak Faisal Musa al-Hiyari
The Impact of Utilizing Big Data on The Performance of the Medical Sector in Jordan: Case Study on Al-Bashir Hospital	Wafa'a Kamel Rabah Qafesha
Privacy in Cloud Computing: An Intelligent Approach	Rusul Mumtaz Taher
Improving LBEACH and TEACH Protocols Utilizing Sleep Node Approach in WSN	Doa'a Al-hussainat
An Improved Watermarking Algorithm Based on DWT and DST Transforms for color images.	Musa Mouhammad Maqableh
Using Dynamic N-Grams for Arabic Text Classification	Safaa Q.Al-Omoush
Text Entailment-Based Arabic Text Segmentation and Summarization System	Fatima Taha Khawaldeh
Speaker Recognition Using Discrete Wavelet Transformation	Feras Eid Dheif Allah Abu
Facial Image Retrieval using Constrained Independent Component Analysis (CICA)"	Omar Odeh Abu Saleak
Web Mining Based on Island Genetic Algorithms	Noha Marwan Ismail Mezyan
Foggy Image Restoration Using Neural Network	Khader S. Alidmat
Cluster Head selection in wireless sensor network	Abdullah Soliman Alshraa
Arabic Text Classification-PHD	Suhad A Yousif Al-Ezzi
Identification techniques using speech signals and fingerprints-PHD	Mustafa Dhiaa T. Al-Hassani

Title	Supervisee
Simulation System for Computer Network Intrusion Detection- PHD	Susan Mohammed Najim Aldean Al-Naqshbandi
Implementation of a Secure Jini-like System-PHD	Suha Hameed Naif

Honors/Awards

- Certificate of Appreciation for Supporting the quality assurance process at Isra University
- Certificate of Appreciation for Supporting the Quality assurance process at the College of Information Technology-Isra University
- Certificate of Merit for International Conference on Education and Information Technology, World Congress on Engineering and Computer Science (WCECS 2015), San Francisco, USA, for the paper entitled "Web Information Retrieval Using Island Genetic Algorithm"
- Certificate of Merit for the 2014 International Conference on Signal and Image Engineering, World Congress on Engineering 2014 (WCE 2014), London, UK, for the paper entitled "Traffic Light Control Utilizing Queue Length."
- The second prize at the fifth National Technological Festival (2012), the theme of information and communication technology, which was held in Hashemite University, Jordan