

**1 Name & Rank:** Fawaz S. Al-Anzi, Professor

## 2 Education

Degree	Discipline	Institution	Year
Ph.D.	Computer Science	Rensselaer Polytechnic Institute, Troy, NY, 12180, USA.	1995
M.Sc.	Computer Science	Rensselaer Polytechnic Institute, Troy, NY, 12180, USA.	1989
B.Sc.	Electrical Engineering	Kuwait University, PO Box 5969, Safat, Postal Code 13060, Kuwait.	1987

## 3 Academic Experience

Institution	Designation	Year/Period	FT/PT
Abdullah Al Salem University, Kuwait	Vice President of Planning & Institutional Excellence	2023 - Present	FT
Kuwait University, Kuwait	Founding Dean	2011 - 2016	FT
Kuwait University, Kuwait	Professor	2007 - Present	FT
Kuwait University, Kuwait	Associate Professor	2002 - 2007	FT
Kuwait University, Kuwait	Assistant Professor	1995 - 2002	FT
Rensselaer Polytechnic Institute, Troy, New York, USA	Research Assistant	1988 - 1995	FT
Kuwait University, Kuwait	Lab Engineer	1987 - 1988	FT

## 4 Non-Academic Experience:

### 5 Certifications / professional registrations:

- Global Education Provider of Project Management Certified Training, PMI Institute, 2010-current.
- Certified Higher Education Assessor, MHE, Kuwait.
- Certified CISCO LMC of Kuwait Regional Cisco Academy, Since 2006.
- Certified CISCO ITE & CCNA Instructor, 14-21/8/2006
- Associate Value Engineering Specialist, SAVE-International Society USA, 2004-present.
- Certified Value Engineering Trainer for MOD-I and MOD-II, 2006, 2008, respectively.
- Approved Value Engineering AVS exam Proctor, 2006.
- Approved British Safety Council Certification Exam Proctor, 2007.
- Registered Consultant Engineer in Center of Professional Engineers, Kuwait Society of Engineers, 2002-present.
- Audit Language Command-Educational Partner-2002.
- Accredited and Registered Arbitrator and Expert, Center of Commercial Arbitration, Kuwait Chamber of Commerce, since 2002 □ Kuwait Engineers Society since 1996.
- Kuwait Information Technology Society, KITS, (previously know as Kuwait Computer Society, KCS) since 1996
- Certified and Registered Computer Engineering Expert, Ministry of Justice, Center of Arbitration 1995 - present
- GCC Arbitration Center at Bahrain 1995 - present.

### 6 Membership in Professional Organization:

- ACM member since 1993.
- IEEE member since 1993.

### 7 Honors and Awards:

- Planter System Made with Scap Tires, Patent Registration in USA Patent Office file number US 2018/0014482 A1, Jan 18, 2018.

- b. Arab League Award on Best Idea to ration Water, Doha, Qatar, 2014.
- c. Best E-Government Solution Award for supervising the Electronic Linkage of IT System of Ministry of Electricity and Water and Kuwait Municipality, KFAS, 2010.
- d. Best Paper Award, Kuwait first GIS Workshop, KFAS, Arab Association, 2006.
- e. Kuwait University Research Performance Award, Awarded by Kuwait University Research Performance for Research Administration in 2005.
- f. KFAS 2004 Engineering Research Award, first class research prize of the country of His Highness Amir of Kuwait award of engineering research, 2004 (The award is given to only one research per year).
- g. Computer Engineering Scholarship Award, 1989-1995, awarded a scholarship to pursue M.Sc. and Ph.D. for Kuwait University.
- h. Model Student Award, College of Engineering and Petroleum, Kuwait University, 1986.
- i. Awarded the representation of Kuwait University in Students in Convention of London International Youth, UK, Summer 1984.
- j. Awarded the representation of Kuwait University in Students Exchange Program with US external Affairs, USA, Summer, 1985.
- k. Awarded the representation of Kuwait University in Students Exchange Program with African Nations, Somalia, Spring, 1986.

#### 8 Service Activities:

- a. Head of National Unified Admissions Committee of Higher Education in State of Kuwait at Minister of Higher Education Office.
- b. Head of Team of Transferring the jurisdiction of programmatic and institutional accreditation at The National Bureau for Academic Accreditation and Education Quality Assurance (NBAQ)
- c. Member of National Exam Committee at The National Bureau for Academic Accreditation and Education Quality Assurance (NBAQ)
- d. Member of Abdullah Al-Salem University (New University in Kuwait) Founding Board, September 2021.
- e. Dean of College of Computer Science and Engineering, Kuwait University, 2013- present.
- f. Founder and Acting Dean of College of Computer Science and Engineering, Kuwait University, 2011-2012.
- g. Vice-Dean for Planning and Career Development, College of Engineering and Petroleum, Kuwait University, 2003 – 2007.
- h. Founder and Director of Office of Information and Automation, College of Engineering and Petroleum, Kuwait University, 1996 - 1999
- i. Coordinator of Research Award Committee, College of Engineering and Petroleum, 2010/2011
- j. Coordinator of Consultation Council, Computer Engineering Department, 2010/2011
- k. Member of Promotion Committee, Computer Engineering Department, 2010/2011
- l. Member of College of Computer Science and Engineering Academic Establishing Feasibility Study, 2010
- m. Member of Graduate Studies Committee, 2005/2006
- n. College of Engineering and Petroleum Representative in University Committee of Consultation Offices, 2005-present
- o. Member of College of Engineering and Petroleum Council, 2003present
- p. Member of College of Engineering and Petroleum Chairmen Committee, 2003-present
- q. Member of Member of College of Engineering and Petroleum Vice Dean Committee, 2003-present
- r. Coordinator of Consultation and Training Committee, Member of College of Engineering and Petroleum, 2003-present
- s. Member of Undergraduate Program Committee, 2003/2004
- t. Member of Graduate Qualifying Exam Committee, 2001/2002, 2002/2003, 2003/2004
- u. Department Coordinator for Intensive courses, 2000/2001, 2001/2002, 2002/2003
- v. Member of Department Equipment, Labs and Budget Committee, 2000/2001
- w. Department Coordinator for Consultation, 2000/2001, 2001/2002
- x. Member of Department ABET Assessment Committee, 2000/2001



- y. Member of College Committee of Consultation and Career Development, 2000/2001, 2001/2002
- z. Member of College Committee of Office of Automation future plan, 2000/2001
- aa. Member of College Committee of Network project proposal bid resolution 2000/2001
- bb. Member of ABET Ethics Committee, 1999.
- cc. Coordinator and Committee Member of tackling Year 2000 Problem in College of Engineering and Petroleum, Kuwait University, 1998 – 2000.
- dd. Reviewer and Referee:
  - a. IEEE Transactions on Evolutionary Computation
  - b. European Journal of Operational Research
  - c. International Journal of Computing and Information Sciences
  - d. Journal of The Operational Research Society (JORS)
  - e. International Journal of Management Science and Engineering Management.
  - f. Journal Information Sciences
  - g. Asia-Pacific Journal of Operational Research
  - h. Journal Advances in Engineering Software
  - i. International Journal of Computer Applications in Technology.
  - j. The Special Issue on Arabic Natural Language Processing (ANLP), ACM
  - k. Transactions on Asian Language Information Processing (TALIP), 2009
  - l. Journal of Computers & Operations Research
  - m. Journal of Computers & Industrial Engineering
  - n. Kuwait Journal of Science and Engineering
  - o. International Journal of Management Science and Engineering Management
  - p. KSA Science Journal, KSA
  - q. Journal of King Abdulaziz University/Engineering Science
  - r. Journal of Computer and Software Engineering (Special Issue on Parallel Algorithms and Architecture), Publication Date January 1995.
  - s. In Scientific Committee of The First GCC Engineering Symposium, Oct 2023
  - t. The 2011 International Conference on Data Engineering and Internet Technology (DEIT 2011), 15-17 March 2011, Bali, Indonesia.
  - u. First Kuwait Conference on E-Systems & E-Services, Nov 17-10, 2009.
  - v. Eleventh International Workshop on Project Management and Scheduling, Istanbul, Turkey, April 28-30, 2008.
  - w. The 5th Symposium on Intelligent Manufacturing Systems, Agents and Virtual Worlds, May 29-31, 2006, Sakarya, Turkey.
  - x. Ninth International Workshop on Project Management and Scheduling, Proceedings of PMS-2004, Nancy, France, April 26-28, 2004, Pages 323-326, April 2004.
  - y. G.C.C. Engineering Forum 5, Riyadh, Saudi Arabia, January,2001.
  - z. The 26th International Conference on Very Large Databases (VLDB2000), Cairo, Egypt, 10-14 Sept. 2000.
  - aa. Committee member and referee of The Fifth International Conference on Data and Knowledge Systems for Manufacturing and Engineering (DKSME'96), Phoenix, Arizona on October 24-25, 1996.
  - bb. Middle East Information Technology Award Referee, Organized by DATAMAX Group, United Arab Emirates, Dubai 24-26 March 1997.
  - cc. Reviewer and Committee Member of Sheikh Salem Al-Ali Al-Sabah Internet Award, 2006-current.
- ee. Reviewer of Research Funding for:
  - a. Kuwait University Research Administration, Project Funding
  - b. The Emirates Foundation for Philanthropy
  - c. ASTF, UAE
  - d. KFAS, Kuwait
  - e. FWO, Belgium
- ff. Reviewer of Promotion Cases for:
  - a. PAAET, multiple promotion cases, Kuwait
  - b. Mutah University, multiple promotion cases, Jordan

- c. Amman Al-Ahliyah University, multiple promotions cases, Jordan
- gg. Conference/Workshop Committee Membership:
  - a. Co-Chairman, The Second International Conference on Computing Sciences and Engineering (ICCSE 2018), Kuwait, March 11-13, 2018.
  - b. Chairman of International Conference on Computing Sciences and Engineering (ICCSE 2015) Kuwait, March 15-17, 2015.
  - c. Co-Chairman of Kuwait Second e-Services and Systems e-Conference, 5-7April, 2011.
  - d. Member of Scientific Committee, Kuwait First e-System and e-Services Conference, 17-19 November 2009.
  - e. Conference Chair of the International Conference on Technology, Communication and Education (i-TCE) 2008, Kuwait, sponsored by IEEE Education Society and IEEE Gulf Education Society Chapter, organized by Computer Engineering Department, Kuwait University (KU), Gulf University for Science and Technology (GUST), and Regional Center for Development of Educational Software (ReDSOFT).
  - f. Chairman of Organizing Committee of Professional Engineers and Training Exhibition, Originated by College of Engineering and Petroleum, Kuwait University, Movenpick, Kuwait, April 2007.
  - g. International Program Committee Member of the 5th Symposium on Intelligent Manufacturing Systems, Agents and Virtual Worlds, May 29-31, 2006, Sakarya, Turkey.
  - h. Conference Chairman of the Second Conference of Successful Engineering Practices, Kuwait, February 2004.
  - i. Conference Chairman of the First Conference of Successful Engineering Practices, Beirut, Lebanon, March 2003.
  - j. Scientific Chair of 7th GCC Engineering Forum, Toward More Uniform Engineering Standards, to be held in Kuwait 18-20 September 2003.
  - k. Geographic Area Chair of the 26th International Conference on Very Large Databases (VLDB2000), held in Cairo 10-14 Sept. '2000
  - l. Committee member of Kuwait Ministry of Justice Conference on Commercial Arbitration, April 25, 1997.
- hh. Technical Committee Membership:
  - a. Member of Minister of Higher Education Accreditation Committee, Ministry of Higher Education, 2009- present.
  - b. Chairman of Utilization of Training and Adult Education Committee, Private University Council, Ministry of Higher Education, 2010- present
  - c. Member of Engineering Academic Council, Kuwait Society of Engineers, 2005- present.
  - d. Member of Accreditation Committee, Private University Council, Ministry of Higher Education, 2002-present.
  - e. Member of Technical Committee, Private University Council, Ministry of Higher Education, 2007- present.
  - f. Team Lead for Institutional Accreditation for Gulf University for Science and Technology (GUST), Private University Council, Kuwait, 2006-2007.
  - g. Team Lead for Site Visit Accreditation for American College of Middle East (ACM), Private University Council, Kuwait, 2006-2007.
  - h. Team Lead for Annual Report Evaluation for American College of Middle East (ACM), Private University Council, Kuwait, 2010.
  - i. Team Lead for Annual Report Evaluation for American College of Box Hill, Private University Council, Kuwait, 2008.
  - j. Team Member for Master/Details Plan of Campus Evaluation for Australian College of Kuwait (ACK), Private University Council, Kuwait, 2007.
  - k. Team Member for Master/Details Plan and Site Visit of Campus Evaluation for Kuwait International College of Law (KILAW), Private University Council, Kuwait, 2010.
  - l. Member in the Committee of Knowledge-Based Industry for Public Authority of Industry, 2001/2002.
  - m. Member in The Committee of Value Engineering – Society of Kuwait Engineers, 2001 – present.



- n. Director of the Internet Group at Kuwait Information Technology Society, KITS, 1999-2001.
- o. Member in Engineering Diploma Equivalency Consultation Committee for Ministry of Higher Education, 1999 – 2000.
- p. Member in Committee of Engineering Accreditation – Society of Kuwait Engineers, 1995 – present.
- ii. Board of Trustees Membership and Ownership:
  - a. Member of Founding Administrative Board of Abdullah Al Salem University, Sept. 219 – current  
Member of Board of Trustees Member of Al Saqar Training Center, Kuwait Chamber of Commerce and Industries, 2010-current.
  - b. Member of Board of Trustees of Kuwaiti Malaysian Investment Company, Capital US\$100M, 2002 – 2005.
- jj. Professional Consultation Activities:
  - a. Team Leader and Consultant for projects with an accumulated budget of more than 4M KD in the period of 2004-2008 (Non-disclosed Private List of Projects).
  - b. Consultancy Engineering Services for Review and Auditing the Current Environmental Studies Made for HH Sheikh Jaber Al Ahmed Al Sabah Causeway Project EIA and Environmental Baseline Study Review Using Value Engineering Methodology (Estimated Project Size US\$4.0B), 2008.
  - c. Introduced Value Engineering Applications Senior course in College of Engineering and Petroleum, Kuwait University, with Association with Lawrence Miles Value Foundation (MVF), since 2006.
  - d. Public Authority of Applied Education and Training: Economic Analysis of Cost per Student, 2009.
  - e. Strategic Plan for Kuwait National Assembly, IT sector, 2008-2010.
  - f. Strategic Plan for Chamber of Ministers, Central Tendering Committee, IT sector, 2008-2009.
  - g. Market Analysis of Higher Education Demand, KPMG, as per Private Universities Council Requirements – Kuwait; Technical, Educational, Market and Economic Analysis, 2006.
  - h. Air Quality Analysis of Residential Areas in Kuwait, Public Authority of Environment – Kuwait, 2007.
  - i. Electronic Linkage of IT System of Ministry of Electricity and Water and Kuwait Municipality, 2009-2010.
  - j. Career Design, Training, and employment of Kuwaiti Nationals in Private Sector, Manpower Restructuring and Executive Program, 2008.
  - k. Portal Design and Implementation of Ministry of Electricity and Water, 2010.
  - l. Kuwait University-Higher Council of Planning, Development Plan Web-based Electronic Tracking/Monitoring System for KU Projects, 2010.
  - m. Kuwait University Standardization of WebPages, 2007.
  - n. Al-Dar Holding Company Decision Support and Management Information System Sector Strategic Plan, 2005.
  - o. Ministry of Interior, Traffic Department, Specification of Adaptive Traffic Control System, 2009.
  - p. Ministry of Defense, Audit and Review of Information Administration Systems, 2009.
  - q. Ministry of Education, Strategic Plan for Introducing E-Learning System, 2008.

## 9 Publications and Presentations (from past five years):

- a. Omar Ali, Peter A. Murray, Mujtaba Momin, and Fawaz S. Al-Anzi, "The knowledge and innovation challenges of ChatGPT: A scoping review," *Technology in Society*, Volume 75, 2023, 102402, ISSN 0160-791X, <https://doi.org/10.1016/j.techsoc.2023.102402>.
- b. Fawaz S. Al-Anzi, "An Effective Hybrid Stochastic Gradient Descent Arabic Sentiment Analysis with Partial-order Microwords and Piecewise Differentiation," *Fractals: Complex Geometry, Patterns, and Scaling in Nature and Society*, Vol. 30, No. 8, October 2022, pp. 2240222, <https://doi.org/10.1142/S0218348X22402228>
- c. Fawaz S. Al-Anzi, "Improved Noise Resilient Isolated Words Speech Recognition Using Piecewise Differentiation," Accepted in *Fractals: Complex Geometry, Patterns, and Scaling in Nature and Society*, Vol. 30, No. 8, October 2022, 2240227, <https://doi.org/10.1142/S0218348X22402277>

- d. Fawaz Al-Anzi, Haitham Lababidi, Ghanima Al-Sharrah, Suad A. Al-Radwan and Ho Joon Seo, "Plant Health Index as an Anomaly Detection Tool for Oil Refinery Processes," *Scientific Reports* 12, 14477, August 2022, <https://doi.org/10.1038/s41598-022-18824-2>.
- e. Fawaz S. Al-Anzi, Design and analysis of intrusion detection systems for wireless mesh networks, *Digital Communications and Networks*, May 2022, ISSN 2352-8648, <https://doi.org/10.1016/j.dcan.2022.05.013>.
- f. Fawaz S. Al-Anzi, "Building a planter system using waste materials using value engineering environmental assessment," *Scientific Reports*, Volume 12, Issue 1, 2344, February 2022. <https://doi.org/10.1038/s41598-022-05300-0>
- g. Mohammed N. Alenezi and Fawaz S. Al-Anzi, "A Study of Z-Transform Based Encryption Algorithm," *International Journal of Communication Networks and Information Security (IJCNIS)*, Volume 13, Issue 2, pp 302-309, ISSN 2073-607X, August 2021
- h. Haneen Alabdulrazzaq, Mohammed N. Alenezi, Yasmeen Rawajfih, Bareeq A. Alghannam, Abeer A. Al-Hassan and Fawaz S. Al-Anzi, "On the accuracy of ARIMA based prediction of COVID-19 spread," *Results in Physics*, Volume 27, 104509, ISSN 2211-3797, <https://doi.org/10.1016/j.rinp.2021.104509>, 2021.
- i. Fawaz S. Al-Anzi and Dia AbuZeina, "Synopsis on Arabic speech recognition," *Ain Shams Engineering Journal*, 2021, ISSN 2090-4479, <https://doi.org/10.1016/j.asej.2021.06.020>.
- j. Mohammed N. Alenezi, Fawaz S. Al-Anzi, Haneen Alabdulrazzaq, Ammar Alhusaini and Abdullah F. Al-Anzi, "A study on the efficiency of the estimation models of COVID-19," *Results Phys.* 2021 Jul;26:104370. doi: 10.1016/j.rinp.2021.104370. Epub 2021 Jun 11. PMID: 34131557; PMCID: PMC8192278.
- k. Mohammed N. Alenezi, Fawaz S. Al-Anzi and Haneen Alabdulrazzaq, "Building a sensible SIR estimation model for COVID-19 outspread in Kuwait," *Alexandria Engineering Journal*, Volume 60, Issue 3, 3161-3175, 2021.
- l. Fawaz S. Al-Anzi and Dia AbuZeina, "Enhanced Latent Semantic Indexing Using Cosine Similarity Measures for Medical Application," *International Arab Journal of Information Technology*, Volume 17, Issue 5, 742-749, 2020.
- m. Fawaz S. Al-Anzi and Dia AbuZeina, "Performance evaluation of Sphinx and htk speech recognizers for spoken Arabic language," *International Journal of Innovative Computing*, Volume 15, Issue 3, Pages 1, 2019.

## 10 Recent Professional Development Activities: