

Curriculum Vitae



Hikmat A. M. Abdeljaber (PhD Information Science, Malaysia)

Permanent Mailing Address

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Nationality: Jordanian

Marital Status: Married

Gender: Male

Date of Birth: 12/9/1967

Place of Birth: Kuwait

Experience: 26 years

Education

- PhD in Information Science from Universiti Kebangsaan Malaysia (UKM), Malaysia. Thesis title is: "A Profile-Based Semantic Search Strategy using an Ontology Base". Information Retrieval, 2010.
- M.S. Computer Science with Mathematics, Jamia Millia Islamia University, New Delhi, India, 1993.
- B.S. Mathematics (Honors), Aligarh Muslim University, Aligarh, India, 1989.

Publication List

- Abdeljaber, H. & Sembok, T. (2008). "A weighted-profiling using an ontology base for semantic-based search," *World Academy of Science, Engineering and Technology (WASET), International Journal of Information Technology* 4 (4): pp. 262-274. [Online] Available at: <http://waset.org/publications/14574>.
- Abdeljaber, H. & Sembok, T. (2009). "A bivalent-profiling using an ontology base for semantic-based search," *International Journal of Computer Science and Systems (IJCSS)* 1 (1): pp. 18-28. [Online] Available at: http://universaljournals.org/currentPaper/IJCSS_first_issue.pdf
- Abdeljaber, H. & Ahmad S. (2017). "Program Outcomes Assessment Method for Multi-Academic Accreditation Bodies: Computer Science Program as a Case Study," *International Journal of Emerging Technologies in Learning (iJET)* 12 (5): pp. 23-35. [Online] Available at: http://online-engineering.org/dl/iJET/iJET_vol12_no05_2017_K.pdf.

- Abdeljaber, H. (2018). “Profile-Based Semantic Method using Heuristics for Web Search Personalization,” *International Journal of Advanced Computer Science and Applications (IJACSA)*, 9(9). <http://dx.doi.org/10.14569/IJACSA.2018.090926>. [Online] Available at: http://thesai.org/Downloads/Volume9No9/Paper_26-Profile_based_Semantic_Method.pdf
- Abdeljaber, H., Alhawarat, MO and Hilal, A. (2021). “Effect of Stemming on Text Similarity for Arabic Language at Sentence Level”. *PeerJ Comput. Sci.* 7:e530 DOI 10.7717/peerj-cs.530. [Online] Available at: https://peerj.com/articles/cs-530/?utm_source=TrendMD&utm_campaign=PeerJ_TrendMD_0&utm_medium=TrendMD
- Abdeljaber, H. (2021). “Automatic Arabic Short Answers Scoring using Longest Common Subsequence and Arabic WordNet,” in *IEEE Access*, vol. 9, pp. 76433-76445. <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9437188>.
- Uddin, M. Y., Abdeljaber, H. A., & Ahanger, T. A. (2021). “Development of a Hybrid Algorithm for efficient Task Scheduling in Cloud Computing environment using Artificial Intelligence”. *International Journal of Computers, Communications & Control*, 16(5). [Online] Available at: <http://univagora.ro/jour/index.php/ijccc/article/view/4087>
- Jha, S., Ahmad, S., Abdeljaber, H. A., Hamad, A. A., & Alazzam, M. B. (2021). A post COVID Machine Learning approach in Teaching and Learning methodology to alleviate drawbacks of the e-whiteboards. *Journal of Applied Science and Engineering*, 25(2), 285-294. [Online] Available at: <http://jase.tku.edu.tw/articles/jase-202204-25-2-0014>
- Ahmad, S., Jha, S., Alam, A., Yaseen, M. and Abdeljaber, H. A. (2022). A Novel AI-Based Stock Market Prediction Using Machine Learning Algorithm. *Scientific Programming*, Volume 2022, Article ID 4808088, 11 pages. <https://www.hindawi.com/journals/sp/2022/4808088/>, [Online] Available at: <https://downloads.hindawi.com/journals/sp/2022/4808088.pdf>
- Ahmad, S., Abdeljaber, H. A., Nazeer, J., Yousuf Uddin, M., Lingamuthu, V. and Kaur, A. (2022). Issues of Clinical Identity Verification for Healthcare Applications over Mobile Terminal Platform. *Wireless Communications and Mobile Computing*, Volume 2022, Article ID 6245397, 10 pages. <https://www.hindawi.com/journals/wcmc/2022/6245397/>, [Online] Available at: <https://downloads.hindawi.com/journals/wcmc/2022/6245397.pdf>
- Ahmad, S., Sudan Jha, Abdeljaber, H. A., Imam Rahmani M. K., Maqbool Waris M., Singh A. and Yaseen M. (2022). An Integration of IoT, IoC, and IoE towards Building a Green Society. *Scientific Programming*, vol. 2022, Article ID 2673753, 8 pages, 2022. <https://doi.org/10.1155/2022/2673753>.

- Abdeljaber, H. A., Ahmad, S., Alharbi A., and Kumar S. (2022). XAI-Based Reinforcement Learning Approach for Text Summarization of Social IoT-Based Content. *Security and Communication Networks*, Vol. 2022, Article ID 7516832, 12 pages, <https://doi.org/10.1155/2022/7516832>.
- Kalyani, K., Parvathy, V., Abdeljaber, H., Murthy, T., Acharya, S. et al. (2022). Effective Return Rate Prediction of Blockchain Financial Products Using Machine Learning. *Computers, Materials & Continua*, vol. 74, no.1, pp. 2303–2316, 2023, <https://doi.org/10.32604/cmc.2023.033162>.

Certificates

- COBOL programming language, M.I.C.T., India, 1990.
- C programming language, A.I.T., India, 1992.
- Alpha Inventory System course, GCE Company, Jordan, 1994.
- Novell Networks, Technical Center, Jordan University, Jordan, 1994.
- Mastering Microsoft Visual Basic 6.0 Fundamentals, CompuBase, Saudi Arabia, 2000.
- Mastering Microsoft Visual Basic 6.0 Development, CompuBase, Saudi Arabia, 2000.
- Mastering Enterprise Development Using Microsoft Visual Basic 6.0, CompuBase, Saudi Arabia, 2000.
- Microsoft Certified Professional (MCP), Microsoft, 2001.
- Microsoft Certified Solution Developer (MCSD), Microsoft, 2001.
- Rational Automation Testing Tools Training, METHOD, Jordan, Nov. 2008.
- Brain Storming Skills, Majmaah, Saudi Arabia, Nov. 2010.
- Scientific Research Skills, Majmaah, Saudi Arabia, 27-28 Feb. 2011.
- Trends of Modern Professional Development, Saudi Arabia, 19-23 Mar. 2011.
- Building Electronic Exams, Majmaah, Saudi Arabia, 7-11 May, 2011.
- Course and program specification (ILOs), Majmaah, Saudi Arabia, 2012.
- The 2nd Saudi International Conference on Information Technology, KACSTIT 18-19 Nov. 2013.
- Using SPSS for Data Analysis, The University Vice Rectorate for Development and Quality, Al-Kharj, Saudi Arabia, 24th Feb 2014
- Quality Symposium of Salman bin Abdulaziz University, The University Vice Rectorate for Development and Quality, Al-Kharj, Saudi Arabia, 5-6 March 2014.
- Searching AskZad database Through Saudi Digital Library, SDL, Online: Virtual using Microsoft Team, 16th Mar. 2021.
- Statistical Analysis (SPSS), Deanship of Community Services & Continuing Education, PSAU, Saudi Arabia, Online: Virtual hall of DCSCE-PSAU using Zoom, 21st Mar. 2021.
- Access Engineering, Saudi Digital Library, PSAU, Saudi Arabia, 30th Mar. 2021.

Academic Experience

- Applied Science Private University, 2021-present, Jordan, Assistant Professor, College of Information Technology, Computer Science Department.
- Prince Sattam bin Abdulaziz University, Saudi Arabia, 2012-2021, Assistant Professor, College of Computer Engineering and Sciences, Computer Science Department.
- Majmaah University, Saudi Arabia, 2010-2012, Assistant Professor, College of Science and Humanitarian Studies in AlGhat, Department of IT.
- Al-Zaytoonah University of Jordan, Jordan, 2004-2010, Senior Lecturer, Faculty of Science & IT, Computer Science department.
- Arab Open University, Riyadh, Saudi Arabia, 2003-2004, Senior Lecturer, IT dept.
- College of Teachers, Riyadh, Saudi Arabia, 1998-2003, Lecturer, Computer Science department.
- Al-Zaytoonah University of Jordan, Jordan, 1996-1998, Lecturer, Faculty of Science & IT, Computer Science department.
- Jerash Private University, Jordan, 1995-1996, Lecturer, Computer Science.
- Ministry of Education, Jordan, 1994-1995, Teacher, Mathematics.
- Areen Cultural Training Center, Jordan, 1994, Instructor, Computer Department.
- N.P.I.U, India, 1990-1991, Software System Designer and Developer.

Taught Courses at Master Level (Graduate Level)

Management Information Systems, Decision Support Systems, Data Base Management Systems, Business Data Communications and Networking, Web Applications Development using HTML, JavaScript and ASP.NET.

Taught Courses at Bachelor Level (Undergraduate Level)

Problem Solving and Programming (C/C++/C#/Java), Java programming language, Python, Advanced OOP, Design and Analysis of Algorithms, Visual Programming (Visual Basic level I, II, III and Visual C++), Data Structures using C/C++/Java, Discrete Mathematics, Calculus, Numerical Analysis, Linear Algebra, Learning Online, Information Technology, Computer Skills, Communication and Information Technologies, E-Learning, Web Development Programming using HTML/DHTML/XML/CSS/DOM/JavaScript and PHP, Computer Organization and Assembly Language, Computer Architecture, PC Environment & Accessories, Special Topics in Computer Science (Information Retrieval), Artificial Intelligence and Expert Systems, Machine Learning, Data Mining, Operating Systems, Computing and information, Networked living: Exploring Information and Communication technologies, Cloud Computing, Mobile Computing, Data Base Management Systems, Software Systems and their Development, System Analysis and Design, Software Engineering, Management Information Systems, Computer Security, Cryptography, Decision Support Systems, Computer Networks.

Academic Activities

13 years of directing, monitoring, and correcting of the following student graduation projects

Simulation of Automatic Teller Machine (ATM), Objects Vision System with Colors and Dimensions, Data Bank System (DBS), Global Web Site Design System, Internal Mailing System (IMS), e-Government (e-Library system), User-Profile Based Search Engines, Web Enabled Warehouse Management Sys., Retrieval System Based on Trust Algorithm for Hotels Booking, WordNet-based Arabic Automatic Essay Scoring Sys., An Automatic Book Classification System, An Automatic Arabic Textual Plagiarism Detection, etc.

Reviewing Scientific Publications and Assessing Academic Works

- Reviewer of the manuscript entitled "A Novel Image Encryption Algorithm Based on the Extracted Map of Overlapping Paths from the Secret Key", RAIRO - Theoretical Informatics and Applications (RAIRO: TIA), July, 2016.
- Reviewer of some articles of Journal of the American Society for Information Science and Technology (JASIST), 2011.
- Evaluator and assessor of the Information Technology Program Curriculum at Northern Border University in KSA for the purpose of international accreditation (ABET), 2014.
- Reviewer of student scientific research projects organized annually by the students' scientific conference in KSA, for the years 2011, 2014, 2015, and 2016.

Technical Courses Teaching Experience

Teaching for 2 years (2000-2002), as a part time, the technical courses of MCP and MCS D certificates at CompuBase Company in Riyadh, Saudi Arabia. The courses comprise SQL Implementation and Visual Basic 6.0 Fundamentals, Development, and Enterprise levels.

Achievements

• Workshop and Seminars attended:

- Attended workshop on "New Perspectives of Open Education" at Arab Open University (AOU), Amman, Jordan, July 2003.
- Computer Science postgraduate colloquium, a seminar organized by faculty of information science and technology of UKM University held at Palm Garden Hotel, IOI Resort, Putrajaya, Malaysia, 2007.
- Workshop on Scientific Research Skills, Majmaah University, Saudi Arabia, 2011.
- Workshop on Academic Developmental Assessment, Salman Bin Abdulaziz University, Al-Kharj, Riyadh, Saudi Arabia, 2012.
- Workshop on Quality Symposium of Salman bin Abdulaziz University, Al-Kharj, Riyadh, Saudi Arabia, 2014.
- Workshop on "Preparing the Educational Program/Institution for External Review", Salman bin Abdulaziz University, Al-Kharj, Riyadh, Saudi Arabia, 2014.
- Attended Clarivate Webinar titled "Publication forms in Gulf states: Trends and dynamics across research categories", Wednesday, June 24, 2020

• **Committees Membership:**

- Member of Courses Equivalence Committee, Al-Zaytoonah University of Jordan, Amman, Jordan, 1996-1998.
- Member of Academic Plans Development Committee, Al-Zaytoonah University of Jordan, Amman, Jordan, March, 2010.
- Supervisor of Web Site of College of Sciences & Humanitarian Studies, AlGhat, Majmaah University, Saudi Arabia, Nov. 2010.
- Member of Disciplinary Committee, College of Sciences & Humanitarian Studies, AlGhat, Majmaah University, Saudi Arabia, 2011.
- Representative of Computer Science Department in Quality and Development Unit at College level, Salman bin Abdulaziz University, Al-Kharj, Saudi Arabia, 2012-2014.
- Member of Developmental & Assessment Project Team for NCAAA, Computer Science Department, College of Computer Engineering and Sciences, Prince Sattam bin Abdulaziz University, Al-Kharj, Saudi Arabia, 2012-2021.
- Member of ABET accreditation committee (curriculum criterion), Computer Science department, College of Computer Engineering and Sciences, Prince Sattam bin Abdulaziz University, Al-Kharj, Saudi Arabia, 2015-2021.
- Member of a committee for writing College Annual Report, College of Computer Engineering and Sciences, Prince Sattam bin Abdulaziz University, Al-Kharj, Saudi Arabia, 2017-2021.
- Member of a committee for writing Department Annual Report, Computer Science department, College of Computer Engineering and Sciences, Al-Kharj, Saudi Arabia, 2017-2021.
- Member of QA and strategic plan committee, Computer Science department, Faculty of Information Technology, Applied Science Private University, Amman, Jordan, 2021-present.

Technical Computer Skills:

- *First Class*: an online communication software system for video conferencing and lecturing.
- *Learning Management System (LMS)*: an online software system for managing e-learning activities of the students.
- *Matlab*: a high-level language and interactive environment for numerical computation, visualization, and programming.
- *Python*: an interpreted, OO high-level programming language with dynamic semantics. It is used intensively for machine learning problems in data science.

Languages:

- Arabic : Excellent in reading, writing and speaking.
- English : Excellent in reading, writing and speaking.
- Urdu : Good in reading and speaking.

References:

1. Full Professor Dr. Mohammad Hegazi, Computer Science Department, College of Computer Engineering & Sciences, Prince Sattam bin Abdulaziz University, P.O. Box 151, AlKharj 11942, Kingdom of Saudi Arabia
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2. Full Professor Dr. Mohammad Al-Husainy, Computer Science Department, Faculty of Information Technology, Middle East University, Amman, Jordan
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