WAHEEDA ALMAYYAN

PROFESSOR

COLLEGE OF BUSINESS STUDIES – PAAET, KUWAIT | ✉ :
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CAREER SUMMARY

PROFESSOR

COMPUTER DEPARTMENT (OCT 2022 – PRESENT)

As a professor, my three primary responsibilities are research, teaching, and active committee engagement. I keep working as hard as I can to fulfil my responsibilities for the computer department as a whole.

KEY ACHIEVEMENTS

- Chair of the computer department.
- Has published over 25 scholarly research articles in the fields of artificial intelligence and data mining, and has represented the department at numerous conferences.
- Collaborating closely with other college and instructional staff members.
- Participated in numerous important committees both inside and outside the department, playing a significant role.
- Taught courses covering java programming, web development, Database Design and Management.
- Maintain your status as an AI specialist.
- Member in private Committee in Promotions for College of basic education studies: 2022-2023.
- Member in private Committee in Promotions for Kuwait University: 2021-2022.
- Joined several internal investigating panels as a member and chair.
- Contributed to the following departmental committees:
    - Promotions Committee : 2022-2023.
    - Promotions Committee in the Accounting Department : 2022-2023.
    - Curriculum Committee: 2022-2023 and 2023-2024.
    - Designations Committee: 2022-2023 and 2023-2024.
    - Scholarships Committee: 2022-2023 and 2023-2024.
    - Schedule Committee: 2022-2023 and 2023-2024.

ASSOCIATE PROFESSOR

COMPUTER DEPARTMENT (SEP 2017 – SEP 2022)

Among the primary responsibilities assigned to me as an associate professor and department member are instructing courses offered in the department's programmes, publishing research in highly regarded, peer-reviewed scientific publications, and actively engaging in committee work.

KEY ACHIEVEMENTS

- Played a key role in participating in several key committees inside and outside the department.
- Advised and mentored students on their academic and professional development.
- Taught courses covering java programming, web development, Database Design and Management.
- Scientific research and conferences Committee:2018-2019,2019-2020, 2020-2021 and 2021-2022.
- Schedule Committee: 2021-2022.
- Promotions Committee :2018-2019,2019-2020, 2020-2021 and 2021-2022.

ASSISTANT PROFESSOR

COMPUTER DEPARTMENT (MAY 2012 – AUG 2017)

I returned to the department after receiving my PhD in AI. I taught many courses as an assistant professor and actively participated in many main committees.

KEY ACHIEVEMENTS

- Prepared and delivered lectures on introductory programming concepts Java-1, as well as advanced topics in Java-2, Database, and HTML and CSS using NetBeans.
- Contributed to the following departmental committees:
    - Scientific research and conferences Committee:2013-2014.
    - Promotions Committee :2014-2015.
    - Curriculum Committee: 2015-2016.
    - Budget Committee: 2017-2018.
    - Designations Committee: 2016-2017.

INSTRUCTOR

COMPUTER DEPARTMENT (NOV 2002 – APRIL 2009)

I joined the College of Business Studies (PAAET) as a lecturer post following the completion of my master's degree. I taught many courses and actively participated in many main committees.

KEY ACHIEVEMENTS

- Taught courses covering java programming, web development application, Database Design and
- Management with PASCAL,ORACLE and SQL.
- Teaching students, the latest computer skills in Windows and Microsoft Office software.
- Provided students with guidance and supervision in laboratory work and issues with coursework.
- Collaborated with colleagues to address teaching and research issues.

EDUCATION

PHD, AI

DE MONTFORT UNIVERSITY (2009-2012)

MS COMPUTER SCIENCE

KUWAIT UNIVERSITY (1991-1995)

BS COMPUTER SCIENCE

KUWAIT UNIVERSITY (1991-1995)

HIGHER DIPLOMA IN EDUCATION

ARAB OPEN UNIVERSITY (2020-2022)

PUBLICATIONS

- Almayyan W. and Alzayed A.,2022. A data mining approach for filtering out social spammers in large-scale Twitter data collections. International Journal of Artificial Intelligence and Applications, 13(3).
- Alzayed A., Almayyan W. and Al-Hunaiyyan A., 2022. Diagnosis of Obesity Level based on Bagging Ensemble Classifier and Feature Selection Methods. International Journal of Artificial Intelligence and Applications, 13(2).
- Almayyan, W., 2021. Towards Predicting Software Defects with Clustering Techniques. International Journal of Artificial Intelligence and Applications, 12(1).
- Almayyan, W., 2021. Improved Discriminatory Ability using Hybrid Feature Selection via Approach Inspired by Grey Wolf Search and Ensemble Classifier for Medical Datasets. International Journal of Computer Science and Information Security, 19(3).
- Almayyan, W., 2021. Developing a Machine Learning Model for Detecting Job Burnout During the COVID-19 Pandemic Among Front-line Workers in Kuwait. International Journal of Computer Science and Information Security, 19(1).
- AlGhannam, B.A., AlMoumen, S. and Almayyan, W., 2018. Web Development in Applied Higher Education Course: Towards a Student Self-Regulation Approach. International Journal of Computer Science and Information Security, 16(9).
- Almayyan, W., 2020. A Modified Maximum Relevance Minimum Redundancy Feature Selection Method Based on Tabu Search for Parkinson's Disease Mining. International Journal of Artificial Intelligence and Applications, 11(2).

- Almayyan, W., 2021. Data Mining Approach to Analyze COVID-19 Dataset of Mexican Patients. International Journal of Computer Applications,174(29).
- Almayyan, W., M. Alsuwaidi and B. AlGhannam, 2021.Perceived Usability of Arabic System Usability Scale (A- SUS): Faculty Members' Perspective of Smart PAAET Application. International Journal of Computer Applications, 183(37).
- Almayyan, W., 2021. Mining Sports Articles using Cuckoo Search and Tabu Search with SMOTE Preprocessing Technique, Journal of Computer Science, 17(3).
- Almayyan, W., 2020. Analysis of Roadway Fatal Accidents Using Ensemble-Based Meta-Classifiers. International Journal of Artificial Intelligence and Applications, 11(4).
- Almayyan, W., 2020. A hybrid two-step-model based on Cuckoo-Search and Grey Wolf Optimiser ensemble-based classifier approach for Network Intrusion Detection. International Journal of Computer Application, 10(6).
- Almayan, H. and AlMayyan, W., 2018. Student Alcohol Consumption Prediction: Data Mining Approach. International Journal of Computer Science and Information Security, 16(4).
- Almayyan, W. and Almayan, H.,2018. Bankruptcy Prediction using Random Forest and Particle Swarm Optimization. Journal of Convergence Information Technology, 13(2).
- Almayan, H. and Al Mayyan, W., 2016, October. Improving accuracy of students' final grade prediction model using PSO. In 2016 6th International Conference on Information Communication and Management (ICICM) (pp. 35-39). IEEE.
- Almayyan, W., 2016. Lymph diseases prediction using random forest and particle swarm optimization. Journal of Intelligent Learning Systems and Applications, 8(03), p.51.
- Own, H.S., Alyahya, K.O., Almayyan, W.I. and Abraham, A., 2018. Rough set–BPSO model for predicting vitamin D deficiency in apparently healthy Kuwaiti women based on hair mineral analysis. Neural Computing and Applications, 29(2), pp.329-344.
- Almayyan, W., 2012. Performance analysis of multimodal biometric fusion.
- W. Al-Mayyan, H.S. Own, H. Zedan. Rough set approach to online signature identification. Digital Signal Processing, Vol.21(3), pp. 477-485 , 2011.
- W. Almayyan, H.S. Own, R. Ramadan H. Zedan. A Multimodal Biometric Fusion Approach based on Binary Particle Optimization. Proceedings of AI-2011 Thirty-first SGAI International Conference on Artificial Intelligence, Cambridge, England, pp.139-152, 2011.
- Almayyan, W., Own, H. S., Zedan, H. (2011, December). A comparative evalution of feature level based fusion schemes for multimodal biometric authentication. In 2011 11th International Conference on Hybrid Intelligent Systems (HIS) (pp. 22-27). IEEE.
- H.S. Own, W. Al-Mayyan, H. Zedan. Biometric-Based Authentication System Using Rough Set Theory. Proceedings of the 7th international conference on Rough sets and current trends in computing, Springer-Verlag , pp.560-569, 2010.
- W. Almayyan, H.S. Own, H. Zedan. Iris features extraction using dual-tree complex wavelet transform. International Conference of Soft Computing and Pattern Recognition (SoCPaR 2010), pp.18-22, 2010.
- W. Almayyan, H.S. Own, H. Zedan. Information Fusion in Biometrics: A Case Study in Online Signature. Proceedings of The International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC, Orlando, USA ,2010.

COMMUNITY

- Training of members of PAAET in the Center for Measurement, Evaluation, and Development in 2022 and 2021 on scientific research skills
- Training of members of PAAET in the Center for Measurement, Evaluation, and Development in the years between 2005 and 2008 on several computer skills.
- I head the community service branch that represents the college of business studies.