

Curriculum Vitae

Wedad Abdulraqueeb Ahmed Al-Sorori

Date of birth: 5/6/1984 – Taiz, Yemen
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Marital Status: Single

QUALIFICATIONS

- PhD in Computing, Computing and Information Technology Faculty, University of Science and Technology (UST), Yemen, Grade Excellent, June 2020.
- M.Sc. in Information Systems – The Arab Academy for banking and financial science, Yemen, Grade: Excellent, July 2014.
- B.Sc. in Computer Science-Computer Science Department, Faculty of Science, Sana'a University, Yemen, Grade: good, July 2007.

GRADUATING PROJECTS

- Ph.D. dissertation: "New Caledonian Crow Learning Algorithm to Solve Continuous Optimization Problems: New Metaheuristic Algorithm", Grade: Excellent
- M.Sc. dissertation: "Analytical Study to Evaluate Stemming Algorithms in Data Mining Tools", Grade: Excellent
- B.Sc final year project: "Student Affairs Management System", Grade: Excellent.

EXPERIENCES

- 2025-2026, Member of the University Governance Committee.
- 2020– now, Assistant Professor in Computing and Information Technology (CIT) Faculty, UST.
- Since 2021, Supervisor of master's students' theses.
- 2021-2025, Cyber Security Program Officer in the Computer Science Department, Computing and Information Technology Faculty, UST.
- 2021-2025, Chairman of the Academic Interviews and Recruitment Committee at the Computing and Information Technology Faculty (CIT), UST.
- 2021 -2022, a super chair in the 1st international conference on intelligent technology, system, and service for the Internet of Everything (ITSS-IoE 2021).
- 2021-2022, Coordinator and member of the computer science-software engineering program self-assessment study of the committee in Computing and Information Technology Faculty, UST.
- Since 2020, A Member of the Curriculum Development Committee in the Faculty of Computing and Information Technology (CIT).
- 2020 – 2021, A Member of the Software Engineering Program Development Committee for the Academic year 2021-2022.
- Since 2020, A member of the Employment and Academic Recruitment Committee in the Faculty of Computing and Information Technology (CIT).
- 2020 – 2021, A member of the Graduate Studies Committee in Computing and Information Technology Faculty, UST.
- 2020-2021, Academic Supervisor for Faculty of Computing and Information Technology- Girls Branch, UST.
- 2020-2021, A Member of the College of Computing and Information Technology Council.
- 2020-2021, A Member of the Academic Council for the Girls Branch.
- 2014-2015, Academic Supervisor for Faculty of Computing and Information Technology (CIT) - Girls Branch, UST.
- 2014-2015, A member of the academic disciplinary committee in Computing and Information Technology Faculty, UST.
- Feb 2017 – May 2017: E-course designer for Operating System course in CIT.
- 2014 –2015: Head of the faculty control sub-committee in CIT, girls' branch.
- 2014 – 2015, Lecturer in Computing and Information Technology Faculty, UST.
- Since 2014, Supervisor of final year projects for Bachelor's.
- 2014 – 2015, The academic coordinator of the computer science dept., Girls Branch, UST.
- 2014 – 2015, A member of the academic committee in Computing and Information Technology Faculty, UST.
- A member of the AI research committee –Faculty of Computing and Information Technology, 2017, University of Science and Technology (UST).
- 2014-2015, A member of the academic quality committee in Computing and Information Technology Faculty, UST.
- 2014-2015, A member of the Ph.D. program self-assessment study of the committee in Computing and Information Technology Faculty, UST.
- 2014-2015, A member of the Master program self-assessment study of the committee in Computing and Information Technology Faculty, UST.
- 2010 –2011, ICDL trainer, UST.
- 2010-2011, ICDL Quality assurance, UST.

Teaching courses:

- Principles of Artificial Intelligence
- Programming language c, c++, java.
- Advanced application programming.
- Cloud computing.
- Programming Tools for Mechatronics and Automation (for a master program at Sana'a University).
- Algorithm Design and Analysis (for both master and bachelor programs).
- Principles of Operating System.
- Advanced Operating System.
- Network Operating System.
- Data Structure.
- Requirement Engineering.
- Software Architecture and Design.
- Programming and problem-solving.
- Compiler Construction
- Computer Fundamentals.

OTHER ACTIVITIES AND TRAINING COURSES

I Participated in:

- AWS DeepRacer learning the fundamentals of ML, 2024.
- Udacity AI Programming with Python Nanodegree Program, 2024.
- A Deep learning course, grade excellent, with the initiative of 1000 machine learning engineers in March 2023.
- A Machine Learning course, grade very good, with the initiative of 1000 machine learning engineers in March 2023.
- A Python Programming course, grade excellent, with the initiative of 1000 machine learning engineers in 2022.
- The Introduction to Cloud Computing course in Coursera platform 2022.
- Participated in Introduction to Web Development with HTML, CSS, and JavaScript course in Coursera platform 2022.
- The course Contemporary Issues in Higher Education 2022.
- The course quality in higher education institutes 2021.
- The course of Statistical Analysis 2021.
- The workshop Measuring the learning outcomes of academic programs and courses, 6 training hours. 2023.
- The workshop on program self-assessment skills according to the criteria of the Council of Academic Accreditation and Quality Assurance 2021.
- Managing the faculty of computing and IT (CIT) infrastructure and CIT's academic and technical staff in the girl's branch of the faculty of computing and IT.
- Preparing a volunteer roster in the faculty of computing and IT (CIT) at UST.
- Course specification in Computing and Information Technology Faculty, UST, 2014.
- Participated in Program Specification Program (PSD) in Computing and Information Technology Faculty, UST, 2014.
- Program specification workshops for different programs in UST, 2015 – 2021.

- **Many other training courses in:**
- DevOps, UST, 2021.
- Introduction to PMP, 2019.
- Human Resources Management Diploma, UST, 2012,
- Statistical analysis using the SPSS program, UST,2013.
- Oracle Diploma, Alwast training center, Introduction to SQL, Program with PL/SQL, Build Internet Applications, 2009.
- Management of Microsoft Server 2003 and Active Directory, 2010.
- CompTIA N+, Ultimate training center, 2009.
- CCNA 640-802, Ultimate training center, 2009.

CONFERENCES AND SCIENTIFIC RESEARCH

- Participated in the 2024 first International Conference on Emerging Technologies for Dependable Internet of Things (ICETI 2024), Sana'a, Yemen.
- Participated in the 2021 International Conference on Intelligent Technology, System and Service for Internet of Everything (ITSS-IoE), Sana'a, Yemen.
- Participated in the First International Conference of the Smart Technologies and Applications(esmarta2021), Sana'a Yemen, August 10-12, 2021.
- A member of the program organization committee of the 10th symposium of the Arabic International Conference on Information Technology (ACIT2009) which was organized by UST, Yemen from 15-17 December 2009.
- Participated in the 4th International Conference on Applied Computing & Information Technology (ACIT 2016), December 12-14, 2016, in Las Vegas, USA.
- Participated in The 11th International Conference on Bio-inspired Computing: Theories and Applications (BIC-TA 2016,) October 28th-30th, 2016, Xian, China.
- Participated in 16th International Conference on Hybrid Intelligent Systems (HIS 2016), Marrakech, Morocco, 2016.

PUBLISHED AND ACCEPTED PAPERS

- Belal Al-Fuhaidi, Abdunaser Alabbadi, Naseebah Maqtary, **Wedad Al-Sorori**, Sadik Al-Taweel, Walid Yousef, [Firefly Algorithm Based Proportional Integral Derivative Controller for AQM in TCP Networks](#), 1st International Conference on Emerging Technologies for Dependable Internet of Things (ICETI) 2024, IEEE.
- Belal Al-Fuhaidi, Zainab Farae, **Wedad Al-Sorori**, Naseebah Maqtary, Yahya Al-Ashmoery, Farouk Al-Fuhaidy, Sadik Al-Taweel, [Anomaly-Based Intrusion Detection System in WSN using DNN Algorithm](#), 1st International Conference on Emerging Technologies for Dependable Internet of Things (ICETI) 2024, IEEE.
- Ali H Alsaidi, **Wedad Al-Sorori**, Abdulqader M Mohsen, [DNCCLA: Discrete New Caledonian Crow Learning Algorithm for Solving Traveling](#)

Salesman Problem, Applied Computational Intelligence and Soft Computing, Wiley, 2024.

- Ohood Al-Masri, **Wedad Abdulraqueeb Al-Sorori**, [Object-Oriented Test Case Generation Using Teaching Learning-Based Optimization \(TLBO\) Algorithm](#), 2022/10/14, IEEE Access.
- Abdulqader M Mohsen, **Wedad Al-Sorori**, Abdullatif Ghallab, [Cooperative Discrete Firefly Algorithm to Solve the Traveling Salesman Problem](#), International Journal of Information Technology (IJIT), 2023.
- **Wedad Al-Sorori**, Abdulqader M Mohsen, Yousef Ali, Naseebah A Maqtary, Asma M Altabeeb, Belal Al-Fuhaidi, Abdullah Alhashedi, Hasan Ali Gamal Al-Kaf, [Arabic sentiment analysis towards feelings among COVID-19 outbreak using single and ensemble classifiers](#), International Conference on Intelligent Technology, System and Service for Internet of Everything (ITSS-IoE), IEEE, 2021.
- Abdullah Al-Hashedi, Belal Al-Fuhaidi, Abdulqader M Mohsen, Yousef Ali, Hasan Ali Gamal Al-Kaf, **Wedad Al-Sorori**, Naseebah Maqtary, [Ensemble classifiers for Arabic sentiment analysis of social network \(Twitter data\) towards COVID-19-related conspiracy theories](#), **Applied Computational Intelligence and Soft Computing**, hindawi, 13 Jan 2022.
- Abdulqader Mohsen, Yousef Ali, **Wedad Al-Sorori**, Naseebah Maqtary, Belal Al-Fuhaidi, Asma M Altabeeb, [A performance comparison of machine learning classifiers for Covid-19 Arabic Quarantine tweets sentiment analysis](#), 1st International Conference on Emerging Smart Technologies and Applications (eSmarTA), IEEE, 2021.
- Belal Al-Fuhaidi, **Wedad Al-Sorori**, Naseebah Maqtary, Abdullah Al-Hashedi, Sadik Al-Taweel, [Literature Review on Cyber Attacks Detection and Prevention Schemes](#), 2021 International Conference on Intelligent Technology, System and Service for Internet of Everything (ITSS-IoE), IEEE.
- **Wedad Al-sorori** and Abdulqader Mohsen, [New Caledonian crow learning algorithm: A new metaheuristic algorithm for solving continuous optimization problems](#), Applied Soft Computing **Journal** 92 (2020) 106325, Elsevier.
- Abdulqader Mohsen and **Wedad Al-sorori**, [A New Hybrid Discrete Firefly Algorithm for Solving the Travelling Salesman Problem](#), **Applied Computing and Information Technology**, Springer International Publishing, 2017.
- **Wedad Al-sorori** and Abdulqader Mohsen, [Multi-population discrete bat algorithm with crossover to solve tsp](#), International Conference on Hybrid Intelligent Systems, Springer International Publishing, 2016.
- **Wedad Al-sorori**, Abdulqader Mohsen, and Walid Aljoby, [An Improved Hybrid Bat Algorithm for Traveling Salesman Problem](#), International Conference on Bio-Inspired Computing: Theories and Applications, Springer Singapore, 2016.

TECHNICAL SKILLS

- Python programming
- Arduino programming

- System developer and Programmer.
- System analyzer.
- Familiar with team management.
- Familiar with academic program specification and evaluation.
- Familiar with academic course specification and evaluation.
- Familiar with higher education programs assessment and accreditation.
- Familiar with designing electronic courses (E-course).

LANGUAGES

- Arabic: native speaker.
- English: Good reading, writing, speaking and listening.

HOBBIES

- Following the latest updates in my major
- Reading different materials

REFEREES

- Dr. Abdulqader Alabbadi, main supervisor and former Dean of the Faculty of Computing and Information Technology, UST, Email: mohsenabdulqader@gmail.com, amayemen@yahoo.com.
- Dr. Ammar Al-Zahary, lecturer in the faculty of Computing and Information Technology, UST. Email: ammaranywhere@yahoo.com.