Moath Mustafa Ahmad Najeeb

Associate Professor

Ph.D. in Computer Information Systems (CIS)

▼ Overview

- Associate professor in CIS
- 12 years experience as a professor
- Publications in ISI and SCOPUS-Indexed journals
- Research interest in Arabic natural language processing, genetic algorithms, and data mining
- Served as the head of the Computer Science department
- Served as the head of the Computer Engineering department
- Served as the head of the ABET accreditation committee
- 4 years experience in IT companies

▼ Personal Data

- Date of Birth: 18/10/1978
- Place of Birth: Amman-Jordan
- Nationality: Jordanian
- Marital Status: Married
- Address: Amman, Jordan
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▼ Education

- Ph.D. in Computer Information Systems (CIS), University of Banking and Financial Sciences, Jordan (2011).
- M.Sc. in Computer Science (CS), Amman Arab University for Graduate Studies, Jordan (2006).
- B.Sc. in Computer Science (CS), Al al-Bayt University, Jordan (2000).

▼ Academic Experience

- Associate Professor (Oct 2023 – present)
  IoT Department, Faculty of Science and Information Technology, Jadara University, Irbid, Jordan.

- Associate Professor (Oct 2021 – Aug 2023)

  Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Assistant Professor (Nov 2020 – Oct 2021)

  Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Head of Computer Engineering Department (Dec 2018 - Nov 2020)

  College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Assistant Professor (Mar 2017 – Dec 2018)

  Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Head of Computer Science Department (Oct 2013 – Mar 2017)

  College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Assistant Professor (Oct 2011 – Oct 2013)

  Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Assistant Professor (Feb 2011 – Oct 2011)

  Computer Science department, Faculty of Science and Information Technology, Jadara University, Irbid, Jordan.

- IT Instructor (Aug 2005 – Feb 2011)

  Ministry of Education, Amman, Jordan.

▼ Professional Experience

- ➢ **Systems Analyst**
  - GIBCA Information Technology (GIBTEK)
  - Abu Dhabi, United Arab Emirates
  - Oct 2003 – Oct 2004
  - Project: General Information Authority
  - Roles: Communicate with the stakeholders to define the business logic and technical specifications, prepare the project implementation plan, Installation and configuration of Oracle9i Database, Installation of the Workflow system (ULTIMUS) and the Archiving System (ARABDOX), design two workflow

systems to handle the Incoming & Outgoing mails, configuration and documentation, end-user training, consultation, and technical support.

➢ **Implementation Specialist**
- ITQAN – Al Bawardi Computers
- Abu Dhabi, United Arab Emirates
- Jul 2001 – Sep 2003
- Project: Health Information System
- The project conducted in:
  1- Al-Mafraq Hospital, Abu Dhabi – UAE
  2- Al-Braha Hospital, Dubai - UAE
  3- Sheikh Khalifa Hospital, Ajman – UAE
- Roles: Preparing the project implementation plan for the health information system (MEDICOM); which is a comprehensive, modular, and integrated information management system for hospitals addressing all critical areas of health care activities such as patient administration system, laboratory, pharmacy, inventory, and financial system. Interacting with users to define the business logic and the technical specifications, oracle installation, MEDICOM installation, configuration & documentation, end-user training, and technical support.

➢ **Web Developer**
- ITQAN – Al Bawardi Computers
- Abu Dhabi, United Arab Emirates
- Sep 2000 – Jul 2001
- Project 1: Ministry of Health (MOH) Intranet project, Abu Dhabi, UAE
  The project gives an Intranet Solution for the Ministry of Health, Provided by ITQAN. It has three phases: Drugs Control System, Exams Registration System, and Employees Services. Roles: Develop some forms of the last phase. Develop the Arabic version of the last two phases.
- Project 2: ISQ Form Automation, Intranet-Project.
  Roles: Develop an intranet website that allows the employees in "Al Bawardi Enterprise" to fill out the ISQ Form and send it to the coordinators to establish a communication line between them.
- Project 3: Air Ticket Survey Form Automation, Intranet-Project.
  Roles: Develop an intranet website that allows the employees in "Al Bawardi Enterprise" to register their opinions about the "Air Ticket Policy".

▼ Technical Skills

- Programming Languages: C, C++, Java, Python, VB.Net, Lisp, Fortran, PL/SQL.
- Web development: HTML, CSS, JavaScript, XML, AJAX, ASP, PHP, MySQL.

- Mobile applications development – Android Studio
- Oracle applications development.
- Oracle Database Administrator

▼ Training Courses

- Oracle Collaboration Suite (OCS), Release 2, Technical Training.
- Oracle Developer/2000 (Forms 5).
- Oracle Developer/2000 (Reports 3).
- Advanced Web Designing (Scripting).

▼ Professional Qualification

- Oracle9i Database Administrator Certified Associate (OCA), which includes the following courses:
  1- Introduction to Oracle SQL & PL/SQL.
  2- Oracle 9i: Fundamentals I.

▼ Membership in university committees

- Head of the ABET (Accreditation Board for Engineering and Technology) Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the NCAAA (National Commission for Academic Accreditation and Assessment) Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the College Employment Committee, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Head of the Curriculum Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Head of the Graduation Project Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.
- Member of the Scientific Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the Examination Committee in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the Academic Advising committee, in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the Courses Schedule committee, in the Computer Science Department, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

- Member of the Faculty Council, College of Computing at Al-Qunfudah, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

▼ Courses Taught

I taught the following undergraduate courses:

- Algorithms Analysis and Design
- Data Structures
- Natural Language Processing
- Introduction to Data Science
- Database systems
- Advanced Database systems
- Object Oriented Programming
- Operating Systems
- Web Programming
- Advanced Web Programming
- Structured Programming
- Software Engineering
- Discrete Structures
- Mobile Applications
- Computer Ethics
- Parallel Computing
- Systems Analysis and Design
- Computer Organization and Assembly Programming
- Compiler Construction
- Engineering Projects Management
- Engineering Design Process and Tools
- Professional Skills for Engineering Design
- Engineering Economics

- Logic Analysis and Design
- Files Organization and Process
- Introduction to Information Systems
- Introduction to Computer Programming
- Introduction to Computer Sciences
- Advanced Programming
- Internet Skills
- Computer Skills
- Computer Programming Skills
- Fortran Programming
- Graduation Project I
- Graduation Project II

▼ Research Grants

- Grantor Name: Deanship of Scientific Research at Umm Al-Qura University, Project ID: 43508026, Project Name: Processing of "Hadith Isnad" based on Hidden Markov Model, Grant Date: 1/Jun/2015.

- Grantor Name: Deanship of Scientific Research at Umm Al-Qura University, Project ID: 15-COM-3-1-0003, Project Name: Processing of "Hadith Isnad" based on Genetic Algorithms, Grant Date: 7/Nov/2016.

▼ Publications

- **Moath M. Najeeb**, "A Hidden Markov Model-Based Tagging Approach for Arabic Isnads of Hadiths", *Mathematical Problems in Engineering*, Article ID 7160509, Volume 2022. https://doi.org/10.1155/2022/7160509

- **Moath M. Najeeb**, "Towards a Deep Leaning-based Approach for Hadith Classification," *European Journal of Engineering and Technology Research*, Belgium. Vol. 6, No. 3, pp. 9-15, 2021. https://doi.org/10.24018/ejeng.2021.6.3.2378

- **Moath M. Najeeb**, "A Novel Hadith Processing Approach Based on Genetic Algorithms," ***IEEE Access***, Volume: 8, pp. 20233 – 20244, 2020. https://doi.org/10.1109/ACCESS.2020.2968417

- Abdelkarim Abdelkader, **Moath M. Najeeb**, Marwan Alnamari, Hamid Malik, "Creation of Arabic Ontology for Hadith Science", *International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)*, Volume 8, No. 6, November-December 2019, pp. 3269 – 3276. https://doi.org/10.30534/ijatcse/2019/96862019

- Abdelkarim Abdelkader, **Moath M. Najeeb**, Marwan Alnamari, Hamed Malek, "How Existing NLP Tools of Arabic Language Can Serve Hadith Processing", *International Journal of Computer Engineering and Technology*, Volume 10, Issue 6, pp. 22-31, 2019. https://doi.org/10.34218/IJCET.10.6.2019.003

- **Moath M. Najeeb**, "XML Database for Hadith and Narrators", *American Journal of Applied Sciences,* Volume 13 No.1, pp. 55-63, 2016, Science Publications. https://doi.org/10.3844/ajassp.2016.55.63

- **Moath M. Najeeb**, "Multi-Agent System for Hadith Processing*", International Journal of Software Engineering and Its Applications,* Volume. 9, No. 9, pp. 153-166, 2015. https://m.earticle.net/Article/A254060

- **Moath M. Najeeb**, Abdelkarim A. Abdelkader, Musab B. Al-Zghoul and Abdelrahman Osman, "A Lexicon for Hadith Science Based on a Corpus", *International Journal of Computer Science and Information Technologies (IJCSIT),* Volume 6 No.2, pp. 1336-1340, 2015, Tech Science Publications. https://www.ijcsit.com/docs/Volume%206/vol6issue02/ijcsit2015060293.pdf

- **Moath M. Najeeb**, "Towards Innovative System for Hadith Isnad Processing", *International Journal of Computer Trends and Technology (IJCTT)* – Volume 18 No. 6, pp. 257-259, 2014, Published by Seventh Sense Research Group. https://doi.org/10.14445/22312803/IJCTT-V18P154

- **Moath M. Najeeb**, Abdelkarim A. Abdelkader and Musab B. Al-Zghoul, "Arabic Natural Language Processing Laboratory serving Islamic Sciences", *International Journal of Advanced Computer Science and Applications (IJACSA),* Volume 5 No. 3, pp. 114 – 117, 2014, The Science and Information (SAI) Organization. https://doi.org/10.14569/IJACSA.2014.050316

- **Moath M. Najeeb**, Asim El Sheikh and Mohammed Nababteh, "A New Rule Ranking Model for Associative Classification Using A Hybrid Artificial Intelligence Technique*, The 2011 IEEE International Conference on Information and Education Technology",* Guiyang, China, pp.231-235, 2011. Publisher: IEEE https://doi.org/10.1109/ICCSN.2011.6013816

- **Moath M. Najeeb**, Asim El Sheikh and Mohammed Nababteh, "Rearrange the Rules of Associative Classification using Simulated Annealing and Genetic Algorithm", *The 15ᵗʰ International Business Information Management Conference on Knowledge Management and Innovation: A Business Competitive Edge Perspective*, Cairo, Egypt, pp.1431-1436, 2010. https://ibima.org/accepted-paper/rearrange-the-rules-of-associative-classification-using-simulated-annealing-and-genetic-algorithm