

Hussein K. Al-Khafaji

Professor of Computer Science | Ph.D., M.Sc., B.Sc.

Email: dr.hkm1811@yahoo.com | hussain.ketan.elc@ruc.edu.iq

Mobile: +964 7901751554

Personal Information

- Full Name: Hussein Keitan Mancy Al-Khafaji
- Date of Birth: 1 July 1966 | Place of Birth: Kerbala, Iraq
- Marital Status: Married
- Nationality: Iraqi

Education

- Ph.D. in Computer Science, University of Technology (1999-2002)
- Dissertation: "Design and Implementation of DBMS-Embedded Association Rules Miner"
- M.Sc. in Computer Science, University of Technology (1991-1993)
- Thesis: "A Natural Language Interface Generator"
- B.Sc. in Computer Science, University of Technology (1985-1989)
- Project: "Data Transfer System for NEC-6001 Computers"

Academic Rank

- Professor: Since 11 July 2012
- Assistant Professor: 17 August 2002
- Lecturer: 1 August 1998
- Assistant Lecturer: 4 October 1994

Current Position

- Head of Computer Communication Engineering Department, Al-Rafidain University College, Baghdad, Iraq (2012–Present)

Professional Experience

Academic and Administrative Roles

- Head of Computer Science Department, Al-Rafidain University College (2004-2006)
- Member, Iraqi Commission for Computers and Informatics (2019–Present)
- Member, Scientific Promotions Committee, Ministry of Higher Education and Scientific Research (2017-2019)
- Manager, Al-Therwa Computer Center (1993-2005)

Teaching Experience

- Courses taught include Soft Computing, Data Warehouse, Operating Systems, Internet Programming, Artificial Intelligence, and Knowledge Discovery in Databases across Ph.D., M.Sc., and undergraduate levels at Al-Rafidain University College, University of Technology, and other institutions.

Research Supervision

- Supervised numerous Ph.D. and M.Sc. students across Iraqi universities including University of Technology, Babylon University, and Sulaimaniya University (2003–2021).

Examiner

- Member or chair of over 40 Ph.D. and M.Sc. examination committees (2004–Present).

Software Development

- Developed and implemented software in various domains including expert systems, data mining, and machine learning, using languages such as Pascal, C++, Prolog, VB, Oracle PL/SQL.

Research and Publications

Authored approximately 70 research papers, including work on:

- "Improving the Efficiency of A* and BFS Algorithms in Binary Trees"
- "Design of an Arabic Spell Checker Using a Novel Algorithm"
- "A New Blind Bi-Directional Random Depth Breadth Search Technique"
- "Automatic Web Text Classifier Using Data Mining"
- "Maximal Itemsets Mining Using Machine Learning"
- "Protein Motifs to Hide GA-Based Encrypted Data"

- "A New Stemming Algorithm for Arabic Document Classification"
- "Efficient Algorithms for Preprocessing Arabic Text in Sentiment Analysis"

Contact Information

- Permanent Address: Baghdad, Iraq, Hay Al-Qadisiya, Mahala 713, Zukak 40, Home 4
- Office Address: Al-Rafidain University College, Palestine Street, Baghdad