

Lec. Nada Abdulkareem Hameed Marouf



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<https://scholar.google.com/citations?user=P2yDiIAAAAJ&hl=en>



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- Master of Science in Computer Science and Information Systems / Image Processing.

Experiences

- From 2024 till now

Member of the Examination Committee; Department of Computer Science and Information Systems; Educational Supervision; member of the Graduation Projects Committee, Self-Assessment Report Committee (Chair), Volunteer Work Committee, Peaceful Coexistence Committee, and Document Preservation Committee; member of the Scientific Committee for evaluating outstanding graduation projects at the 5th Scientific Forum (Al-Mansour University College); reviewer for numerous research papers in local and international journals and at various local and international conferences.

- From 2022 to 2024:

Member of the Scientific Committee and Audit Committee; member of the Plagiarism Check Committee and Continuous Improvement Monitoring Committee; Government Program Coordinator; and Department Representative for the Applied Research Platform.

- From 2018 – 2021

Department Rapporteur and Examination Committee Member – Al-Mansour University College Department of Computer Science and Information Systems.

- From 2012 till now

Master's Degree (Lecturer): Taught various theoretical and practical courses—including Databases, Distributed Databases, Data Mining, Microprocessors (theory and lab), Image Processing (theory and lab), Logic Design (theory and lab), Computer Architecture (theory and lab), Advanced Software Engineering (theory and lab), Networks, and Computer Fundamentals, among others—across the departments of Computer Science, Information Systems, Telecommunications Engineering, Computer Technology Engineering, Medical Instrumentation Engineering, and others.

- Contributed to authoring the prescribed textbook *Computer Applications (Theory)* for first-year vocational education students specializing in Computer Networks.

- From 1996 till now:

Faculty member/lecturer at Al-Mansour University College, serving in the following departments/units:

1. Laboratories Unit
2. Computer Science and Information Systems Department
3. Computer Engineering Department
4. Computer Technical Engineering Department
5. Medical Instrumentation Engineering Department

Certificates

- **2002**/Master's Degree in Computer Science, Institute of Informatics for Graduate Studies / Department of Computer Science.
- **1992** / Bachelor's Degree in Computer Science, Al-Mansour University College / Department of Computer Science.

Skills

- 1- Teaching various programming languages in the field of computer and network software.
- 2- Evaluation of numerous research papers in the fields of computer science and information systems.
- 3- Member of the Scientific Plagiarism Committee and the Continuous Improvement Monitoring Committee.
- 4- Reviewing numerous scientific research papers for various local and international journals and scientific conferences (both local and international).
- 5- Government Program Coordinator.
- 6- Head of the Applied Research Platform Department.

Literature and research

- MS.C Thesis: "H.261 Image Video Compression", Iraqi Committee for Computers & Informatics/ Institute of Higher Studies in Informatics, Baghdad, Iraq, 2002.
- **Paper:** "An Identification of Persons Utilizing the Prosperities of the Eyes", Al-Mansur University College for Computer Science Journal, June 2010.
- **Paper:** "Text Hiding Using Coarseness Equation", Baghdad College of Economic Sciences University for Computer Science Journal, January 2012.
- **Paper:** "Face Recognition Technology Using Fast Fourier Transform (F.F.T) & Discriminator Power (Dp)", Al-Mansur University College for Computer Science Journal, January 2012.

- Paper: “Natural language processing for healthcare: Applications, progress, and future directions”, September 2024, Edelweiss Applied Science and Technology 8(4):2027-2041, DOI:10.55214/25768484.v8i4.1579
- Paper : “Ethical AI with Balancing Bias Mitigation and Fairness in Machine Learning Models”, October 2024, DOI:10.23919/FRUCT64283.2024.10749873, Conference: 2024 36th Conference of Open Innovations Association (FRUCT).
- Paper: “A Hybrid Machine Learning and Deep Learning Approach for Brain Tumor Segmentation and Disease Type Prediction”, December 2024, Journal European des Systèmes Automatisés 57(6):1573-1582 DOI:10.18280/jesa.570604.
- Paper: “The Role of Edge Computing in Enhancing IoT Performance in 2025, July 2025, Iranian Journal of Information Processing Management ,DOI: 10.22034/jipm.2025.728173
- Paper: “Edge AI for Transforming Autonomous Systems and Telecommunications for Enhanced Efficiency and Responsiveness”, August 2025, Iranian Journal of Information Processing Management 40(Special Issue 4):1061-1086, DOI: 10.22034/jipm.2025.728384
- Paper: “Drones and IoT for Enhancing Renewable Energy Integration”, September 2025, International Journal on Informatics Visualization 9(5):2094, DOI: 10.62527/joiv.9.5.4630
- Paper: “Optimization IOT Waterproof Temperature Sensor Readings Using PSO”, December 2025, DOI:10.1109/ICSPC68261.2025.11326249, Conference: 2025 IEEE 13th Conference on Systems, Process & Control (ICSPC)
- . A Review: “Smart System for Human Palm Image Analysis Using Digital Image Processing Techniques”, January 2026, International Journal of Research in Science and Technology 16(2):200-207, DOI: 10.37648/ijrst.v16i02.009
- Paper: “Innovative Computerized Approach for Accurate Color Blindness Detection”, April 2026, Journal of the college of basic education 32(135):259-282, DOI: 10.35950/cbej.v32i135.14630
- Paper: “Weather Image Classification Using a Modified CNN with EfficientNetB3”, April 2026, Ingenieros des systems d information 31(4):1323-1331, DOI: 10.18280/isi.310426
- Paper: “The Role of Edge Computing in Enhancing IoT Performance in 2025, July 2025, Iranian Journal of Information Processing Management, DOI: 10.22034/jipm.2025.728173.
- المشاركة في تأليف كتاب تطبيقات الحاسوب (نظري) المنهجي لطلبة المرحلة الاولى في التعليم المهني فرع الحاسبات والشبكات . 2011.

- Awards and Recognitions

- Numerous letters of appreciation and commendation from the Deanship of Al-Mansour University College during my tenure.
- Receiving multiple commemorative plaques from Al-Mansour University College.
- Received numerous letters of thanks and appreciation from the Ministry of Higher Education and Scientific Research.

- Letters of appreciation and recognition from various local and international conferences for participating in the review of numerous research papers.
- A letter of appreciation from the Vocational Education Directorate for co-authoring a textbook for the first-year Computer Branch.