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ASSISTANT PROFESSOR IN COMMUNICATION ENGINEERING DEPARTMENT /
AL-MANSOUR UNIVERSITY COLLEGE (IRAQ-BAGHDAD) SINCE 2013.

EXPERIENCE

DATES 2018 – TILL NOW

- Head of Communication Engineering Department – Al-Mansour University College.
- Head of Scientific Community of Communication Engineering Department - Al-Mansour University College.
- Reviewer in IEEE ACCESS journal since 2018.
- Associate Editor of IEEE ACCESS journal since 2018.

DATES 2013– 2018

ASSISTANT PROFESSOR, AL-MANSOUR UNIVERSITY COLLEGE- IRAQ

- Member of the Examination Committee in Computer Technology Engineering Department 2014-2018.
- Rapporteur of Computer Technology Engineering Department 2016-2018.
- Full Time Education for the following undergraduate courses: *Control Engineering Fundamentals, Electronics Circuits, Advanced Digital Electronics.*
- Supervising a number of undergraduates for final year projects.

DATES 2003– 2013

ASSISTANT PROFESSOR, FACULTY OF ENGINEERING SCIENCES- OMDURMAN ISLAMIC UNIVERSITY-SUDAN.

- Member of Guide Modernizing Committee of Faculty of Engineering Sciences- (2006 and 2012).
- Member of Engineering Consultancy Office (2008-2013).
- Secretary of Journal of Engineering Sciences-2009.
- Vice Editorial in Chief of Journal of Engineering Sciences-(2010-2013).
- Head of Electrical and Electronics Eng. Department (2013).
- Full Time Education for the following undergraduate courses in Electrical and Electronics Engineering Department: *Physics of Solid State, Tools of Solid State, Electronics (1) and (2), Computer Organization, Control Theory (1) and (2), Modern Control Theory, Programming in C++ Language, Electric Circuits (2), Digital Control*

Theory (1) and (2), Digital Control Theory (2), Neural Networks, Digital Signal Processing.

- Over-all Supervision of Computers and Control Laboratories.
- Supervising a number of postgraduate students (by research) and undergraduates for final year projects.

DATES 2000– 2003

ASSISTANT INSTRUCTOR, ELECTRICAL ENGINEERING DEPARTMENT-
COLLEGE OF ENGINEERING- UNIVERSITY OF BAGHDAD- IRAQ.

- Research Fellow (Full Time).
- Rapporteur of Electrical Engineering Department 2002-2003.
- Secretarial Member of the Fifth Engineering and Scientific Conference Held at the college of Engineering-University of Baghdad (2003).
- Full Time Education for the following undergraduate courses: *Electrical Circuits, Computer Interface, Image Processing.*

EDUCATION

JULY 2012

PH.D. IN ELECTRICAL AND ELECTRONICS ENGINEERING), OMDURMAN ISLAMIC UNIVERSITY-SUDAN

Thesis Title "*Design of a Neural-Fuzzy Algorithm for Power System Protection (H.V. Transmission Line)*".

SEPTEMBER 2000

MSC. IN COMPUTERS AND CONTROL ENGINEERING SCIENCES- UNIVERSITY OF BAGHDAD/IRAQ

Thesis Title "*Image Zooming Based on Fuzzy Logic for Video Cameras*".

JULY 1997

BSC. IN ELECTRICAL ENGINEERING)/UNIVERSITY OF BAGHDAD-IRAQ

SKILLS

- Matlab Programming.
- Design and Implementation of Embedded and Electronics Systems.
- VHDL Programming.
- Advanced used of PSCAD simulation program.
- Advanced used of Proteus simulation program.
- Basics used of ADS simulation program.

PUBLICATIONS

- "*Enhancement of X-Ray Images Using Fuzzy Sets Theory*", Proceedings of CATEEE 2002, The Fourth International Conference on Computational Aspects and Their Applications in Electrical Engineering, 19-21 March 2002, Philadelphia University and IEE-Jordan.
- "*RGB Color Image Compression Using Distance Transform and Fuzzy Sets Theory*", the 5th Scientific Conference in College of Eng./University of Baghdad, 2003.

- **"Driving a Novel Phasors Formula for a Digital MHO Relay Algorithm for High Voltage Transmission Line Based on Neural Networks"**, in the Proceedings of IEEE Sudan Subsection Conference, 1st International Conference on Computing , Electrical and Electronic Engineering (ICCEEE 2013), (26-28) Aug. 2013, Khartoum-Sudan, publisher: IEEE.
 - **" Adaptive Median Filter Background Subtractions Technique Using Fuzzy Logic "**, in the Proceedings of IEEE Sudan Subsection Conference, 1st International Conference on Computing , Electrical and Electronic Engineering (ICCEEE 2013), (26-28) Aug. 2013, Khartoum-Sudan, publisher: IEEE.
 - **" Design a Fast Digital Protective Relay Algorithm for High Voltage Transmission Line"**, Sudan Engineering Society Journal, Issue No. 2 March 2014, Khartoum-Sudan.
 - **"A New Image Contrast Enhancement in Fuzzy Property Domain Plane for a True Color Images"** International Journal of Signal Processing Systems, Vol. 4, No. 1, pp. 45-50, February 2016.
 - **"A New MATLAB-Simulink S-Function for Modeling a Digital MHO Distance Relay Based on Fast Fourier Transform Algorithm Professional and Academic Activities"**, International Journal of Power and Renewable Energy Systems (IJPRES) Volume 2 Issue 2, 2015.
 - **"MATLAB-Simulink S-Function for modeling a digital MHO distance relay"**, in the Proceedings of IEEE Sudan Subsection Conference, International Conference on Computing, Control, Networking, Electronics and Embedded Systems Engineering (ICCNEEE), 2015, Khartoum, 7-9 Sept. 2015, Print ISBN:978-1-4673-7867-3, Publisher: IEEE.
 - **"A Study of an Efficient Power Consumption Wireless Communication Techniques/ Modules for Internet of Things (IoT) Applications"**, Advances in Internet of Things (AIT), Vol.6 No.2, Apr 2016, ISSN: 2161-6825.
 - **"Hand Motion Controlled Robotic Arm based on Micro- Electro-Mechanical-System Sensors: Gyroscope, Accelerometer and Magnetometer"**, Communications on Applied Electronics, Vol. 7, Issue 4, pp 6-11, 2017.
 - **"Real Time Sticky Bomb Detection System Based on Compass Device and Arduino Board"**, Iraqi Journal of Electrical and Electronic Engineering, Vol. 13, Issue 1, pp 46-52, 2017.
 - **"Thingspeak Cloud Computing Platform Based ECG Diagnose System"**, Eighth International Innovative Computing Technology Conference (INTECH 2018), London 2018.
 - **"Computerized Power Transformer Monitoring Based on Internet of Things"**, International Journal of Engineering & Technology (Scopus Indexed), Vol. 7, No. 4, 2018.
 - **"Internet of Things Mathematical Approach for Detecting Brain Tumor"**, International Journal of Engineering & Technology (Scopus Indexed), Vol. 7, No. 4, 2018.
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AWARDS, THANKS & APPRECIATION

- Award for best paper entitled "*Adaptive Median Filter Background Subtractions Technique Using Fuzzy Logic* ", in the *Proceedings of IEEE Sudan Subsection Conference, 1st International Conference on Computing , Electrical and Electronic Engineering (ICCEE 2013), (26-28) Aug. 2013, Khartoum-Sudan, publisher: IEEE.*
- Thanks and Appreciation from Dean of College of Engineering- University of Baghdad in July 2001.
- Thanks and Appreciation from Dean of College of Engineering - University of Baghdad in April 2002.
- Thanks and Appreciation from Dean of College of Engineering - University of Baghdad in September 2002.
- Thanks and Appreciation from Dean of College of Engineering - University of Baghdad in March 2003.
- Two Thanks and Appreciation from Dean of Al-Mansour University College in April 2016.
- Thanks and Appreciation from Dean of Al-Mansour University College in June 2017.
- Four Thanks and Appreciation from Dean of Al-Mansour University College in January 2018.
- Thanks and Appreciation from the Minister of Ministry of Higher Education and Scientific Research- Iraq.

