

PROFESSIONAL DETAILS



Fullname ziyad Hazim Abduljabbar

E-mail ziyad.hazim@dpu.edu.krd

Phone 07508142355

Gender male

Birth Date 1968-10-01

Address Iraq - Duhok

Nationality Iraqi

-
- [Technical College of Administration](#)
 - [Information Technology Management](#)

LANGUAGE

- **Arabic** (Native)
- **English** (Intermediate)
- **Kurdish** (Beginner)

SPECIALTIES

Programming Techniques Optimization by using AI Techniques Genetic Algorithm Neural Network Fuzzy Logic Data Mining Web Mining Data (Analyzing Evaluation estimation) E-Learning

Quality of teaching methods?

TEACHING MATERIAL

Fundamentals of Programming (C++/ C#) Object Oriented Programming (C++/ C#) Visual Programming (C#) Information Security Information Theory Computer Graphics Compiler Design and Algorithm Operating System Artificial Intelligence Excel Access Word PowerPoint SPSS Matlab Scientific Debate Mini and Micro Computer Automata Theory Artificial Intelligence Assembly Language Image Processing With C++ and Matlab

EDUCATION

Feb, 2000

M.Sc.

Computer Science

University of Mosul, Iraq

Aug, 1991

B.Sc.

Computer Science

University of Mosul, Iraq

PROFESSIONAL EXPERIENCE

Jan, 2018 - Aug, 2021

Faculty member

Duhok Polytechnic University - Technical College of Administration-

Kurdistan Region, Iraq

Lecturer at the Department of Information Technology.

Nov, 2011 - Dec, 2017

Faculty member

University of Duhok

Kurdistan Region, Iraq

Lecturer at the Dpt. of Statistic, College of Economic and Administration, Duhok University. (10/2011- 31/12/2017). Head of Website Unite for the college of economic and administration, Duhok University. (2011 to 2014). Member of the Scientific Research Center, (2012-2014). Member of the Examinations Committee.

Dec, 2000 - Aug, 2011

Faculty member

University of Sirte - Faculty of Science

Libya

Lecturer at the Department of Computer Science, Faculty of Science, Sirte University. Member of the Monitoring and Examination Committee, Faculty of Science- University of Sirte. (6/2000- 8/2011) . Head of Computer Science Dpt., Faculty of Science, University of Sirte, (14/8/2008- 31/1/2011). Lecturer at the Department of Computer Science, Higher Technical Institute, Sirte, (10/2001- 8/2007). Member of the Curriculum Development Committee, Computer Science Department, College of Science, University of Sirte. Member of the Quality Assurance Committee, Faculty of Science, University of Sirte.

Dec, 1995 - Nov, 2000

Faculty member

University of Mosul- College of Computer Science and Mathematics

Iraq

Lecturer at the Department of Computer Science, College of Computer Science and Mathematics, University of Mosul.

PUBLICATION JOURNAL

Jun, 2018

[Using Genetic Algorithm to Solve Travelling Salesman Optimization Problem Based on Google Map Coordinates for Duhok City Areas](#)

Academic Journal of Nawroz University (Issue: Vol 7 No 3 (2018)) (Volume: 7)

This research aims to solve one of the Non-Deterministic Polynomial (NDP) Problems by using one of the artificial intelligence techniques, which is genetic algorithm. Travelling salesman problem (TSP) is one of the difficult optimization problems, the aim of this problem is to get the optimal solution which is represented by the shortest path for (n) visited areas of the city. The number of possible solutions that will be generated, searched and compared when solving this problem for (n) areas is equal to (n!). This number exponentially increased with the increasing of the number of areas. With the large number of areas, which produces a huge number of possible solutions, the traditional search algorithms will be collapsed, and the problem will become a hard (NDP) Problem. In this case it becomes necessary to rely on artificial intelligence techniques, which are based on the biologically-inspired principle. During this research the travelling salesman problem was formulated and programmed in proportion to the concept of genetic algorithm (GA) to produce Travelling Salesman Genetic Algorithm (TSGA). One of the cities of Kurdistan Region of Iraq (Duhok) was selected as a case study to implement the TSGA algorithm. Initially, the study depends on Google earth program to determine the coordinates for number of Duhok's areas. These coordinates were saved as a (.kml) file format, then the required cleaning and normalization operations were accomplished on this file to produce the pure coordinates, that were stored as an excel file format (.xls) . TSGA algorithm depends on these excel coordinates as an input file to create the initial generation of paths, then the objective function for each path of the this generation was calculated, and then the parent selection, crossover and mutation functions were applied to get the group of the best paths. TSGA algorithm, then, continues to

[An Assessment Study and the Design of E-learning System Strategy in computer Science Department of Sirte University"](#)

Libya, Tripoli As Presenter

The Fifth Libyan Arab International Conference on Electrical and Engineering
LAICEEE

Jun, 2010 - Jun, 2010

[E-Government in Libya: Benchmarking against Global Best Practices](#)

Libya, Tripoli As Presenter

The First International Conference on Electronic Management