

Academic Curriculum Vitae



Personal Information:

Full Name: Kanar Shukr Muhamad

Academic Title: Lecturer

Email: (university email): kanar.muhamad@su.edu.krd

Mobile: +96 750 462 8710



Education:

- 2001 – 2005 Bachelor – College of Engineering / Salahaddin University - Erbil
- 2006 – 2009 Master – College of Engineering / Salahaddin University - Erbil

Employment:

- 10/10/2005 - till now employee at Software & Informatics Department / College of Engineering / Salahaddin University – Erbil

Academic titles attained

- 2010 Assistant Lecturer
- 2018 Lecturer

Teaching experience:

Undergraduate

- **Engineering Analysis.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Data Security.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Procedural Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Object Oriented Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Logic Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Data Structure and Algorithm Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Programming Algorithm.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Programming Principle.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Numerical Analysis and probability.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

Postgraduate – High diploma

- **Advanced Object-Oriented Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

Lab Supervision

- **Procedural Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Object Oriented Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

- **Logic Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Data Structure and Algorithm Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Programming Algorithm.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Programming Principle.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Numerical Analysis and probability.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

Supervision of Final Year Projects:

- Hybrid Cryptosystem
- Efficient Text Compression via LZW Method
- The Automated Acquisition of Query Signatures for Text Summarization
- Kurdish Stemmer
- Quality Assurance System
- Kurdish E-Mail Server System
- E-Mail Application System
- Ant Colony Optimization System
- Ultimate Health Care System
- Online Car Service System
- Mobile Application for Teaching Kurdish Language to English Adults
- Mobile-base Parking System

Research and publications

- 1- Ahmed Tariq, Seran Akrem, and Kanar Shukr Muhamad, '**Text Summarization using hybrid methods**', المجلات والمؤتمرات العلمية العراقية للجمعية الاولى للمؤتمرات وقائع, 2009, no. 340, 199- 212, 11/1/2009, Baghdad, Iraq
- 2- Ahmed Tariq, and **Kanar Shukr Muhamad**, "**Improved Scatter Search for Job Shop Scheduling Problem**", International Journal of Research and Reviews in Soft and

Intelligent Computing (IJRRSIC) Vol. 2, No. 1, ISSN: 2046-6412, 104- 107 , March 2012, United Kingdom

- 3- Kanar Shukr Muhamad , **"Modified Ant Colony Optimization for Solving Traveling Salesman Problem"**, International Journal of Engineering & Computer Science IJECS-IJENS Vol:13 No:05, 1- 5, October 2013, Pakistan
- 4- Bnar Faisal A. Daham, Mohammed N. Mohammed, and **Kanar Shukr Muhamad, "Modified Harmony Search Algorithm for Solving the Four-Color Mapping Problem"**, International Journal of Computer Applications (0975 – 8887) Volume 91 – No.6, 34- 38, April 2014
- 5- Bnar Faisal A. Daham, Mohammed N. Mohammed, and **Kanar Shukr Muhamad, "Parameter Controlled Harmony Search Algorithm for Solving the Four-Color Mapping Problem"**, International Journal of Computer and Information Technology (ISSN: 2279 – 0764) Volume 03 – Issue 06, 1398-1402, November 2014.
- 6- Mohammed Nasseh Mohammed, Bnar Faisal A. Daham, Kanar Shukr Mohammed, **"Darbandikhan Reservoir Operation Optimization Using Ant Colony Optimization Algorithm"**, ZANCO Journal of Pure and Applied Sciences, 30 (1), 2018.
- 7- Kanar Shukr Mohammed, Moayad Y. Potrus, Bnar Faisal A. Daham, **" Effect of Hybrid Teaching Methodology and Student Group Policy on Object Oriented Problem Solving"**, ZANCO Journal of Pure and Applied Sciences, 29 (1), 2018.
- 8- Bnar Faisal A. Daham, Mohammed Nasseh Mohammed, Kanar Shukr Mohammed, **"Modified Deterministic Parameter Controlled Harmony Search Algorithm to Solve 4-Color Mapping Problem"**, ZANCO Journal of Pure and Applied Sciences, 30 (6); 1-7, 2018.

Conferences and courses attended

- المعلومات وتكنولوجيا العراقية للجمعية الاولى العلمي المؤتمر وقائع 2009, Baghdad, Iraq, presented a paper, **"Text Summarization using hybrid methods"**.
- Taking a course in Communication, 2006.
- Taking a course in methods of teaching, 2010.
- Taking a course in Electronic Learning for University Teachers, 2010

- 1st conference on Water and Energy in Kurdistan, challenges and Alternatives on 14th – 15th May 2017, presented a paper, "**Darbandikhan Reservoir Operation Optimization Using Ant Colony Optimization Algorithm**",
- به‌خشینی گرانت بۆ باشترین پرۆژهی ده‌رچوون و ئاییدیا به قوتابییانی زانکۆی سه‌لاحه‌دین – هه‌ولێر " له ۲۰۲۲-۳-۹،
وه‌کو سه‌ره‌پرشتیاری باشترین پرۆژه به ناوینیشانی
"Mobile Application for Teaching Kurdish Language to English Adults"

Funding and academic awards

- به‌شداری کردن له وورکشۆپی ته‌کنیکی له وولاتی ئوردن له
21 – 22/ 6 / 2011 "Establishing Iraq's Portal for E-Learning
- به‌خشینی گرانت بۆ باشترین پرۆژهی ده‌رچوون و ئاییدیا به قوتابییانی زانکۆی سه‌لاحه‌دین – هه‌ولێر " له ۲۰۲۲-۳-۹،
وه‌کو سه‌ره‌پرشتیاری باشترین پرۆژه به ناوینیشانی
"Mobile Application for Teaching Kurdish Language to English Adults"

Professional memberships

- Kurdistan Engineering Union, from 2005
- Kurdistan Teacher Union, 2015

Professional Social Network Accounts:

SUE Academics:	https://academics.su.edu.krd/kanar.muhamad
Google Scholar:	https://scholar.google.com/citations?user=J- GIUUAAAAJ&hl=en
ResearchGate:	https://www.researchgate.net/profile/Kanar-Muhamad
Linkedin:	https://www.linkedin.com/in/kanar-muhamad-b30136163/
Academia:	https://independent.academia.edu/kanarShukrmuhamad
ORCID:	https://orcid.org/0009-0008-8796-1563
Web of Science:	https://www.webofscience.com/wos/author/record/GON-7408-2022