

# Academic Curriculum Vitae



## Personal Information:

Full Name: Kanar Shukr Muhamad  
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## Education:

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

## Employment:

- 2/5/2009 - till now employee at Software & Informatics Department / College of Engineering / Salahaddin University – Erbil

## Employment experience:

- 2005 – 2010 Engineer in Software Engineering Department / College of Engineering / Salahaddin University – Erbil .
- 2010 – 2018 Assistant lecturer in Software Engineering Department / College of Engineering / Salahaddin University – Erbil .

- 2018 – To date lecturer in Software Engineering Department / College of Engineering / Salahaddin University – Erbil .

## 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

- 2020 – 2021 **Advanced Object Oriented Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

- 2023 – 2024 **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
- 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 - Mobile Smart Messaging Application
- Mobile Smart Messaging Application

## Research and publications

### Publications:

1. Ahmed Tariq, Seran Akrem, and Kanar Shukr Muhamad, '**Text Summarization using hybrid method**' , المعلومات وتكنولوجيا العراق للجمعية الول العلمى المؤتمر وقائع , 340 .no , 2009 , 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 Page 4 of 5 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, Kanar Sh. Mohammed, "**Modified Harmony Search Algorithm for Solving the Four-Color Mapping Problem** ", International Journal of Computer Applications (0975 – 8887) Volume 91 – No.6, April 2014.
5. Bnar Faisal A. Daham, Mohammed Nasseh Mohammed, Kanar Shukr Mohammed, "**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, No. 31, 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 ZJPAS, 30(1), June 2018.
7. Kanar Shukr Mohammed, Dr. 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 ZJPAS, 30 (5), 140-148, October 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 ZJPAS, 30 (6), 1-7, December 2018.

## Conferences and courses attended

- Taking a course in Communication, 2006.
- Taking a course in methods of teaching, 2010.
- First 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 بو باشترین پروژهی دهرچوون و ئایدیا به قوتابییانی زانکوی سه‌الحه‌دین – هه‌ولێر له 9th March 2021  
وه‌کو سه‌رپهرشتیاری باشترین پروژه به ناوئیشانی  
"Mobile Application for Teaching Kurdish Language to English Adults"

## Funding and academic awards

- به‌شداریکردن له وركشویی ته‌کنیکی له وولاتی ئوردن له 21th – 22th June 2011 "Establishing Iraq's Portal for E-Learning"
- به‌خشینی گرانت بو باشترین پروژهی دهرچوون و ئایدیا به قوتابییانی زانکوی سه‌الحه‌دین – هه‌ولێر له 9th March 2021  
وه‌کو سه‌رپهرشتیاری باشترین پروژه به ناوئیشانی  
"Mobile Application for Teaching Kurdish Language to English Adults"

## Professional memberships

- Member in Kurdistan Engineers Union Erbil, from 2005.
- Member in Kurdistan Teachers Union Erbil, from 2015.

## Professional Social Network Accounts:

- SUE Academics: <https://academics.su.edu.krd/kanar.muhamad>
- ResearchGate: <https://www.researchgate.net/profile/Kanar-Muhamad>
- Google Scholar: <https://scholar.google.com/citations?user=J-GIUUAAAAJ&hl=en>
- LinkedIn: <https://www.linkedin.com/in/kanar-muhamad-b30136163/>
- Academia: <https://xendan.academia.edu/kanarShukrmuhamad>
- ORCID: <https://orcid.org/0009-0008-8796-1563>